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INDEX

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Author Index
Bibliography index
Book index
Conference index
Corporate author index
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Electrical & Electronics Abstracts

Science Abstracts Series B

July–December 1984

Author Index

CONTENTS

Author index	A335
Bibliography index	LI1
Book index	LI3
Conference Index	LI5
Corporate author index	LI11
List of Journals and other Serial Sources	LJ1

Author Index

Aadland, O.S. *see* Royer, M. 4—33230
Aamidor, A. US cable HBO rules—OK except with the cable pirates 4—38845
Aamlid, S. *see* Mickelson, A.R. 4—42362
Aamodt, R.E. *see* Hafizi, B. 4—37264
Aanandan, C.K. *see* Mohanan, P. 4—31766, 4—32678
Aanstoos, J.V., Ruedger, W.H., Meredith, B.D., Beatty, M.E., III Algorithms for the simulation of geometric distortion in a satellite imaging system 4—53935
Aanstoos, J.V. *see* Meredith, B.D. 4—53806
Aanstoos, T.A. *see* Floyd, J.E. 4—45459
Aardoom, L. *see* van Gelder, B.H.W. 4—61914
Aardoom, W. Secondary surveillance radar 4—56256
Aaron, G., Bonnard, R. Optical fiber transmission in a picture archiving and communication system for medical applications 4—49335
Aarons, J., DasGupta, A. Equatorial scintillations during the major magnetic storm of April 1981 4—47616
Aarts, H. *see* Schonfelder, V. 4—33779
Aarts, N.A. Ultra-isolator suppresses network disturbances 4—39938
Aartsen, M. 24-carat Gold 4—54154
Aas, B. *see* Phillips, G.C. 4—39425
Aas, E.J. *see* Svanaes, D. 4—41297
Aasen, M.D. *see* Eppink, D.W. 4—59821
Aashiba, Y. *see* Miike, H. 4—44485
Aazhung, B., Poor, V.H. On optimum and nearly optimum data quantization for signal detection 4—53614
Abad, P.E. Electronics and reconverting process of industrial firms 4—50254
Abadir, M.S., Reghbati, H.K. Functional testing of semiconductor random access memories 4—36654
Abakumov, A.M., Kuzhnetsov, P.K., Mishin, V.Yu., Semavin, V.I. System for determining the motion velocity vector of an image with random intensity distribution 4—44411
Abakumov, V.N., Alferov, Zh.I., Koval'chuk, Yu.V., Portnoi, E.L. Problem of mechanisms of laser annealing of semiconductors 4—46919
Abalduev, B.V., Gritsai, B.Ya., Kaganovich, E.B., Maksimenko, Yu.N., Svechnikov, S.V. Experimental study of parameters and characteristics of cathodoluminescent image convertor tubes 4—37237
Aban'shin, N.P. *see* Bilenko, D.I. 4—30369
Abarca, A.V. Satellite communications applied to rural areas in Peru 4—54706
Abarcar, R. *see* Hane, G.J. 4—40639
Abasov, S.A., Veliev, T.M., Kuliev, M.M., Kurbanov, M.A. How a strong electric field influences mechanical durability of polyethylene 4—36950
Abass, A.K. *see* Mohammad, M.T. 4—47238
Abazaki, M. *see* Okada, T. 4—42564
Abbas, A.F. *see* El-Fiki, M.A. 4—55965
Abbas, G.L., Chan, V.W.S. Optical design and performance of a dual-detector optical heterodyne receiver for local oscillator noise suppression 4—32826
Abbas, G.L., Chan, V.W.S., Yee, T.K. Cancellation of local oscillator intensity noise caused by the relaxation oscillation of GaAlAs lasers with a dual-detector heterodyne receiver 4—54798
Abbas, M., Christen, R., Jahns, T. Six-phase voltage source inverter driven induction motor 4—57039
Abbaszadeh, A.D. *see* Kaynak, O. 4—57409
Abbey, J.C., Close, L. Electrical impedance measurement of urinary bladder fullness 4—44755
Abbey, K.M., Britton, D.L. Pore size engineering applied to the design of separators for nickel-hydrogen cells and batteries 4—40410
Abbott, C. Efficient editing of digital sound on disk 4—55125
Abbott, D.G. *see* Butterfield, J.M. 4—62316
Abbott, E.C. *see* Hubbard, F.R. 4—62305
Abbott, G.F. Digital space division—a technique for switching high-speed data signals 4—38120
Abbott, J.J., Bierschbach, J.E., Johnson, W.K. Marginal failure monitoring for machine maintenance and repair [copiers and xerographic printers] 4—35341
Abbott, L.W. Operational characteristics of the dispersed sensor processor mesh [computerised avionics] 4—49391
Abbott, W.G. Solderable coatings—a status report on IPC investigations 4—46721
Abbott, W.H. Time distribution of intermittents versus contact resistance for tin-tin connector interfaces during low amplitude motion 4—41677
Abboud, S., Sadeh, D. The use of cross-correlation function for the alignment of ECG waveforms and rejection of extrasystoles 4—49195
Abd El-Salam, I., Awad, I. On the megawatt-frequency control problem 4—34442
Abd El-Salam, I., Awad, I. More on the control of two different interconnected power areas 4—34443
Abd-El-Razik, S.M. A reflection model incorporating frequency dependent attenuations and parameter estimations for shallow water multilayered media 4—31992
Abdalla, O.H., Sharaf, S.M.Z., El-Sayed, M.L., Hogg, B.W. Adaptive control of a turboalternator system 4—34628
Abdallah, A.S. *see* Saied, M.M. 4—62058
Abdallah, E.A.F. *see* Tripathi, V.K. 4—41540
Abdallah, H.M. *see* Saied, M.M. 4—62058
Abdel Aziz, M.M., Abo-Seda, M.S., Gouda, O.E. Field distribution around heat pipe inside cable joints 4—56633
Abdel Aziz, M.M., El-Tobshy, A.M. Thyristor cooling by heat pipe 4—30614
Abdel-Halim, I.A.M. *see* El-kassas, S.I. 4—57198
Abdel-Kader, F.E., Holmes, P.G. Correspondence: the schrage machine as a wind energy transducer 4—62492
Abdel-Kader, F.M. The characteristic performance of induction motors with eccentricity 4—62520
Abdel-Magid, Y.L. A generalized perturbation model for multimachine interconnected systems 4—34095
Abdel-Magid, Y.L. *see* El-Sherief, H. 4—34040
Abdel-Salam, M. Positive wire-to-plane coronas as influenced by atmospheric humidity 4—52327
Abdellah, M.A. *see* Abdullah, M. 4—30839
Abdelrazek, M.M. An integrated radon flux monitor 4—61674
Abdennour, R., Sbai, A., Annabi, M. A simulated analogy of triple single phase ferroresonance 4—49575
Abdinov, A.Sh. *see* Abdinov, D.Sh. 4—51774
Abdinov, D.Sh., Ismailov, F.I., Ismailov, I.K., Novruzova, F.M., Abdinov, A.Sh. Hot electrons in n-$Cd_xHg_{1-x}Te$ single crystals at strong electric fields 4—51774
Abdinov, D.Sh. *see* Dzhamalov, N.A. 4—30424
Abdinov, D.Sh. *see* Isaev, A.I. 4—30309
Abdo, M.S.E. Hydrogen production by electrochemical gasification of coal 4—40369
Abdrashitov, F.R., Vorobeychikov, E.S., Yeliseyev, A.K. Energy representation of the stability conditions of a synchronized oscillator 4—51029
Abdul-Hussain, M.A. *see* Cornick, K.J. 4—59089, 4—59090
Abdul-Karim, M.A.H. *see* Adhem, S.M.I. 4—29949
Abdul-Karim, M.A.H. *see* Hafeth, B.A. 4—55538
Abdul-Karim, M.A.H. *see* Ibrahim, K.M. 4—41187
Abdul-Wahab, M. *see* Goodman, R.M.F. 4—37869
Abdulaev, A.A., Babaev, G.M., Mageramov, A.A., Alieva, A.P. Investigation of the contact region of the eutectic systems Bi-Te (Se) with the materials on the basis of chalcogenide bismuth and stibium which were produced by means of the methods of extrusion and zone directed crystallization 4—51804
Abdulla, S.A. *see* Husain, S.R. 4—39627
Abdulla, W.H., Al-Chalabi, L.A. Function generator using interpolation technique 4—46382
Abdullaev, D.A., Ursov, S.N. A method for transmitting service signals over an optical communications line 4—60864
Abdullaev, I.M. *see* Ismailov, Sh.Yu. 4—53617
Abdullaev, K.M., Malakhov, I.A., Trifel', M.S., Khachaturov, A.K., Azimov, B.S. Corrosion of thermal power plant chemical water treatment equipment under conditions of physical-chemical tertiary treatment of municipal wastewater 4—40103
Abdullaeva, N.G. Evaluation of maximum error of discrete voltage dividers 4—33393
Abdullaeva, S.G., Aliev, V.A., Mamedov, N.T., Sheinkman, M.K. Characteristics of negative photoelectric effects in $TlGaSe_2$ crystals 4—31218
Abdullah, A.R. *see* Evans, D.J. 4—35445
Abdullah, M., Abdellah, M.A., Morgan, J.D. Effects of an insulating screen on flashover in an air-gap 4—30839
Abdullah, M., Adbellah, M.A., Morgan, J.D. Flashover in particle-contaminated air 4—30838
Abdullayev, A.G., Kasimov, F.D., Mamikonova, V.M. The simultaneous growth of monocrystalline and polycrystalline silicon films with controlled parameters 4—50790
Abdur Rahim, A.H.M. *see* El-Amin, I.M. 4—34557
Abduraimov, V.E., Boikov, Yu.A., Kutasov, V.A. The effect of structure on the strain-resistance effect in $Bi_{0.5}Sb_{1.5}Te_3$ films 4—58762
Abdurakhmanov, K.P., Mirakhmedov, Sh., Tadzhi-Aglaeva, S.G. Some characteristics of the differential conductance of metal-semiconductor tunnel structures 4—30428
Abdushukurov, D.A., Zanevskii, Yu.V., Movchan, S.A., Netushil, T., Peshekhonov, V.D., Smykov, L.P. Multiwire low-pressure proportional chamber with a high gas-amplification coefficient 4—61700
Abe, A., Fujita, Y., Tohda, T., Matsuoka, T., Nishikawa, M., Kuwata, J., Nitta, T., Matsunaga, K., Hatada, K. Large-scale, high-resolution AC thin-film EL flat panel display 4—55596
Abe, F. *see* Mikami, T. 4—58621
Abe, H. *see* Chihara, K. 4—49184
Abe, H. *see* Hatanaka, M. 4—50827
Abe, H. *see* Sone, J. 4—35926
Abe, H. *see* Uoya, S. 4—36821
Abe, K. Manufacturing of optical cables for the telecommunication industry 4—52627
Abe, K., Emura, T., Hamada, T., Hirasawa, R., Matsumoto, T. Pumping of low-temperature deep-sea water for cooling of facilities on land 4—62837
Abe, K. *see* Nakajima, N. 4—42962
Abe, K. *see* Yamada, Y. 4—59829
Abe, K. *see* Yamazaki, K. 4—51746, 4—51884
Abe, M., Kido, K. Composite complex sinusoidal modeling for the estimation of directions and spectra of incident plane waves 4—60134
Abe, M., Mimura, T., Nishiuchi, K., Shibatomi, A., Kobayashi, M. HEMT LSI technology for high speed computers 4—30817
Abe, M., Tamaura, Y. Ferrite plating in aqueous solution: new technique for preparing magnetic thin film 4—30979
Abe, M. *see* Mimura, T. 4—36851
Abe, M. *see* Nishiuchi, K. 4—51229
Abe, M. *see* Okada, C. 4—48758
Abe, M. *see* Sazuki, M. 4—49728
Abe, M. *see* Yamazaki, S. 4—62704
Abe, N. *see* Uematsu, H. 4—38429
Abe, S., Isono, A., Kondo, B. Determination of power system voltage stability. III. Dynamical approach 4—39789
Abe, S. *see* Chiba, N. 4—40958
Abe, S. *see* Doi, A. 4—56427, 4—56456
Abe, T., Mitsunaga, Y., Koga, H. Strain sensor using twisted optical fibers 4—52584
Abe, T. *see* Onuki, T. 4—53149
Abe, T. *see* Yamaguchi, Y. 4—42870
Abe, Y. *see* Kamimoto, M. 4—40169
Abe, Y. *see* Noda, T. 4—54204
Abebe, M. *see* Villarruel, C.A. 4—52608
Abed, Y.A., El-Maghraby, M.H., El-Sayes, M.A. Simulation and analysis of solar photovoltaic (SPV) power system behaviour under environmental and climatic conditions 4—34268
Abed, Y.A., El-Maghraby, M.H., El-Sayes, M.A. A proposed constant voltage concept applied for optimum operation of solar photovoltaic (SPV) system 4—34927
Abed, Y.A., El-Maghraby, M.H., El-Sayes, M.A. Reliability-related parameters influencing the optimum design of an autonomous solar photovoltaic system 4—34928

Abel, W., Walter, B. Theoretical and experimental investigations on the plasma of a CO_2 high power laser 4—52882

Abel, W. *see* Schuocker, D. 4—59665

Abela, A. *see* Consoli, A. 4—57421

Abela, R., Renker, D., Steiner, E. First experimental tests with half-quadrupoles [SIN cyclotron] 4—49058

Abele, E., Bassler, R., Wolf, E.M. Application possibilities for flexible, automated assembly systems. Rationalization potential also beyond series assembly 4—50512

Abeles, B., Tiedje, T., Liang, K.S., Deckman, H.W., Stasiewski, H.C., Scanlon, J.C., Eisenberger, P.M. Growth and structure of layered amorphous semiconductors 4—58048

Abeles, B. *see* Tiedje, T. 4—51974, 4—58773

Abels, J.P., Godrie, W., Szlacter, J. ENER-GACEC: a modern concept of a building's energy management system 4—62828

Abendini, Y. *see* Chan, T. 4—55276

Abendroth, M., Wentkowski, R. Electronic evaluation of the outlet signal of a V-converter [respiratory diagnostics] 4—39516

Abernathy, C.R., Bates, C.W., Jr., Anani, A.A., Haba, B. Kinetic effects in film formation of $CuInSe_2$ prepared by chemical spray pyrolysis 4—41073

Abernathy, M.F., Wolfe, M.D. Simulation of a phased array beam expander to predict far-field performance 4—59562

Abernethy, R. *see* Dougherty, H. 4—44827

Abeytua, M. *see* Lopez-Bescos, L. 4—49276

Abidi, A.A., Kushner, R.A. Fine line NMOS transresistance amplifiers 4—58185

Abiko, S. *see* Yoshino, T. 4—59964

Abil'siitov, G.A., Andriyakhin, V.M., Safonov, A.N. Surface modification of materials by means of laser radiation 4—59655

Abil'siitov, G.A., Golubev, V.S., Drobyazko, S.V., Egorov, Yu.A., Kazhidub, A.V., Lebedev, F.V., Makretsov, S.I., Portnova, G.V., Senatorov, Yu.M., Sumerin, V.V. High-power technological gas electrical-discharge laser operating on the basis of an air-CO_2 mixture 4—59389

Abil'siitov, G.A., Golubev, V.S., Lebedev, F.V. Producing commercial technological lasers of power 1-10 kW 4—59388

Abiyev, A.K. *see* Hagiyev, M.S. 4—47149

Abkowitz, M. Evidence for the defect origin of states which control photoelectronic behavior or amorphous chalcogenides 4—58743

Abkowitz, M., Enck, R.C. Xerographic determination of electron drift mobility in a-Si:H 4—30361

Ablett, C.B. C^3I evolution leaves a lot to chance 4—39648

Ablozhyavichyus, I.P., Babilyus, V.V., Bel'byakova, A.I. Information measuring complex IISE2 for accounting and for control of energy expenditure 4—39959

Ablozhyavichyus, I.P. *see* Ermankov, V.S. 4—62257

Abmayr, W., Rappl, W., Mannweiler, E. The segmentation of cells in slices of tissue 4—38062

Abo-Namous, S.A., Fane, R.W. Photoconductive properties of unhydrogenated Ne-sputtered a-Si 4—31213

Abo-Seda, M.S. *see* Abdel Aziz, M.M. 4—56633

Aboelfotoh, M.O. Process for multilevel interconnection for VLSI devices 4—30691

Aboelfotoh, M.O., Polcari, M.R., Tsang, Y.L. Single mask process for polysilicon gate device fabrication 4—36597

Abou El Leil, M.M. *see* Dunphy, J.R. 4—52640

Abou Elela, A.A. *see* Farghal, S.A. 4—45004

Abou Hussien, M.S. *see* Farghal, S.A. 4—45004

Abou-Elfotouh, F.A., Al-mass'ari, M.A. Optimisation of a central receiver type solar thermionic power plant 4—62451

Abou-Houssein, M.S., El-Maghraby, M.H., Groumpos, P.P., El-Geldawy, F.A., El-Tamaly, H.H. Techno-economical analyses of different concepts of photovoltaic stand-alone energy system and application 4—35062

Abou-Hussein, M. *see* Eldesouky, A.I. 4—34626

Abou-Hussein, M.S., Groumpos, P.P., El-Geldawy, F.A., El-Maghraby, M.H., El-Tamaly, H.H. Optimizing the solar array of stand-along photovoltaic energy systems as a function of time and load profiles 4—34926

Abou-Sayed, A.S. *see* Schatz, J.F. 4—35103

Abou-Zeid, A. Spektrale Untersuchungen an kommerziellen GaAlAs-Laserdioden (Spectral investigations of commercial GaAlAs laser diodes) 4—31401

Aboulhamid, E.M., Cerny, E. Built-in testing of one-dimensional unilateral iterative arrays LSI logic 4—58259

Aboutajdine, D. *see* Grenier, Y. 4—37915

Aboytes, F. *see* Sada Gamiz, J. 4—62071

Abraham, A. *see* Vanecek, M. 4—50061

Abraham, B.C., Fegley, C.R. Reinforced gold conductor probes 4—50862

Abraham, J.A. *see* Banerjee, P. 4—36893

Abraham, J.A. *see* Brahme, D. 4—58373

Abraham, N.B. *see* Gioggia, R.S. 4—31321

Abraham, N.B. *see* Mandel, P. 4—59554

Abraham, T. *see* Mizeraczyk, J. 4—47426

Abrahamian, A.V. *see* Asatiani, T.L. 4—61719

Abrahams, B., Mallan, A. High-speed video with pulsed copper lasers 4—61078

Abrahams, J. Ramp crossings for Slepian's process 4—47708

Abraira, V. *see* Cazzaniga, M. 4—49138

Abram, R.A. *see* Brand, S. 4—51736

Abramczyk, R. *see* Alexander, M. 4—52096

Abramov, A.A. Current-voltage characteristics of a *p-i-n* diode under conditions of very fast carrier injection 4—36539

Abramov, A.G., Asinovskii, E.I., Vasilyak, L.M. Investigation of the spatial and temporal dynamics of the pump and radiation waves in a nitrogen laser 4—31324

Abramov, G.N. Device for the automatic selection of the measurement boundaries of the amplitudes of single pulses 4—33217

Abramov, I. *see* Harris, C.M. 4—33328

Abramovich, A.A., Nedbai, A.I., Sud'enkov, Yu.V., Filippov, N.M., Shutilov, V.A. Broadband piezoelectric transducer made of lithium iodate for recording pressure pulses 4—39756

Abramovich, B.N., Ivanov, O.V., Konovalova, S.A., Stolyarov, I.I. Transients in compensated supplies to induction motors with deviations of input voltage 4—39864

Abramovich, I.I. *see* Sirotyuk, L.T. 4—40537

Abramovich, M. *see* Decker, F. 4—46898

Abramovich, Yu.I., Dalmatov, A.D., Nevrev, A.I. Convergence rate of linearly bounded, adaptive algorithms for interference cancelling systems 4—53238

Abramovich, Yu.I., Kachur, V.G. Characteristics of adaptive spatial clutter suppression 4—47671

Abramovich, Yu.I., Nevrev, A.I. The effect of initial approximation on the rate of convergence of adaptive tuning processes in interference compensation systems 4—43352

Abramovich, Yu.I., Nevrev, A.I. Iterative algorithms which utilize the difference between the estimates of the tuning vector 4—53237

Abramovici, M., Menon, P.R. A machine for design verification and testing problems 4—35723

Abramovici, M., Menon, P.R., Miller, D.T. Critical path tracing: an alternative to fault simulation 4—36709

Abramowitz, M. A new system for image analysis 4—61287

Abrams, M.D. End-to-end encryption implementation problems in asynchronous communications networks 4—60334

Abramski, K.M. Frequency response of photodetector measurements by means of heterodyne and interferometric techniques of detection 4—33318

Abramski, K.M. *see* Plinski, E.F. 4—47417

Abramson, P. Polar RZ coupling method transmits DC component 4—32366

Abramson, P., Beastrom, R., Hobgood, B., Ligon, G. Lightning surge suppressor 4—56683

Abramson, P., Grune, G.L., Hobgood, B., Stumbough, L. Plenum cable construction 4—46653

Abramson, P., Hobgood, R.B., Ross, T.J. Rip cord for use with plenum cables 4—30146

Abramson, P., Stammely, T.E. Protective circuit 4—46335

Abramson, P.B. *see* Senda, Y. 4—34326

Abramyan, G.K. *see* Esayan, S.Zh. 4—58584

Abramyan, Ye.A., Alterkop, B.A., Kuleshov, G.D. Electron beam power transmission: problems and prospects 4—55791

Abreu, A.L.M. *see* Saraiva, E.de.S. 4—34981

Abro, M.R. Measurement of harmonics generated due to converters in an induction furnace factory 4—44576

Abrokwah, J.K., Cirillo, N.C., Jr., Helix, M.J., Longerbone, M. Modulation-doped FET threshold voltage uniformity of a high throughput 3 inch MBE system 4—52094

Abrokwah, J.K. *see* Cirillo, N.C., Jr. 4—36602

Abromavage, M.M. *see* Enk, J.O. 4—61838

Abrosimov, N.V., Brantov, S.K., Tatarchenko, V.A. Manufacture of silicon tubes by drawing from a melt using a shaper 4—29442

Abshire, N.L. *see* Bohlander, R.A. 4—37593

Abstreiter, G. *see* Baumgartner, M. 4—51908

Abstreiter, G. *see* Zeller, Ch. 4—58783

Abu-Jarad, F., Al-Jarallah, M.I. Radon activity in Saudi houses 4—56210

Abubakirov, E.B., Belousov, V.I., Varganov, V.N., Gintsburg, V.A., Kovalev, N.F., Kolganov, N.G., Petelin, M.I., Soluyanov, E.I. Cyclotron-resonance mode selection in Cerenkov relativistic-electron RF sources 4—36218

Abuelma'atti, M.T. Nonlinear model for FET differential amplifier 4—41217

Abuelma'atti, M.T. Harmonic and intermodulation performance of current-feedback bipolar-transistor differential amplifiers 4—58168

Abuelma'atti, M.T. A non-linear model for microwave GaAs FET amplifiers 4—58524

Abuelma'atti, T.T. Settling time of operational amplifiers with FET input transistors operating in strong inversion 4—50997

Aburaya, K., Toshima, M. Regenerative brake system of AC electric cars [railway cars] 4—62756

Abuseridge, A.V., Venediktov, Yu.P., Mazmanidi, E.I. Inverters in control systems 4—57175

Abushady, Y. *see* Sobhi, M. 4—34366

Abushov, S.A. *see* Niftiev, G.M. 4—30387

Abut, H., Luse, S.A. Vector quantizers for subband coded waveforms 4—54462

Abut, H. *see* Tao, B.P.M. 4—53451

Abut, H. *see* Thyagarajan, K.S. 4—60261

Acampora, A.S., Hluchyj, M.G. A new local area network architecture using a centralized bus 4—60516

Acarnley, P.P. *see* Hill, R.J. 4—57096

Accatino, L., Angelucci, A., Pattini, F. Low level high dynamics on-board 40-PSK receiver operating at 14 GHz 4—32630

Accatino, L., Angelucci, A., Pattini, F. Low-level high-dynamics on-board 40-PSK receiver operating at 14 GHz 4—32779

Accomazzo, M.A., Rubow, K.L., Liu, B.Y.H. Ultrahigh efficiency membrane filters for semiconductor process gases 4—36418

Acena, M.L., Garcia-Torano, E. A method to fit alpha spectra 4—56018

Acerbi, E., Alessandria, F., Rossi, L. Pressure calculations for the cryostat of the Milan Superconducting Cyclotron 4—33580

Acha, J.I., Payan-Somet, J., Civit, A. Design of very-low-frequency digital oscillators 4—41438

Achar, B.S. *see* Sharpe, C.D. 4—36462

Acharya, B.L., Vijayvergia, S.K., Rai, R.K. Dependence of ionospheric absorption at Udaipur on 10.7-cm solar flux 4—59747

Acharya, H.N. *see* Banerjee, H.D. 4—29439

Acharya, R.S., Robb, R.A., Wechsler, H. An image reconstruction algorithm for time varying X-ray projection image sequences 4—53924

Achiha, M. Still picture transmission through telephone lines 4—60432

Achiha, M., Ishikura, K., Fukinuki, T. A motion-adaptive high-definition converter for NTSC color TV signals 4—46599

Achterberg, E. *see* Perez Ferreira, E. 4—33564

Achtermann, E. *see* Egger, D. 4—61863

Achugbue, J.O. *see* Tsai, L.L. 4—36759

Acimovic, R. *see* Malezic, M. 4—56197

Ackenhusen, J.G. The CDTWP: a programmable processor for connected word recognition 4—59998

Ackenhusen, J.G. *see* Oh, Y.H. 4—53537

Ackerman, J.L. *see* Thomas, S.R. 4—49183

Ackerman, J.P. *see* Krumpelt, M. 4—40429, 4—49825

Ackerman, M.J. *see* Catron, P.W. 4—61829

Ackerman, W.J. Maintaining voltages under extreme conditions 4—34050

Ackery, D.M. *see* Fleming, J.S. 4—39549

Acket, G.A., Koelmans, H. Semiconductor injection lasers 4—37511

Ackland, B.D. *see* Burr, D.J. 4—31915

Ackley, D.E. High-power single longitudinal mode operation of twin-channel substrate mesa guide (TCSM) lasers 4—47452

Ackley, D.E. Phase-locked injection laser arrays with nonuniform stripe spacing 4—59518

Ackley, D.E., Botex, D., Bogner, B. Phase-locked injection laser arrays with integrated phase shifters 4—31394

Ackley, D.E. *see* Butler, J.K. 4—53001

Ackroyd, B. Satellite services—pie in the sky or down to earth? 4—48424

Ackroyd, M.H. *see* De Boer, J. 4—38158

Acosta, R., Cuemo, J.J., Leary, P.A. Planarization of copper circuits for multilevel ceramic package 4—46746

Acosta, R.E., Maldonado, J.R., Towart, L.K., Warlaumont, J.M. B-Si masks for storage ring X-ray lithography 4—52162

Acquanita, R.M. Short-circuit protection for driver transistor 4—30605

Acree, D.W., Denny, H.W. Effects of cable shields on cable coupling in lossy media 4—38207

Adachi, H. *see* Kawaguchi, T. 4—31169, 4—52542

Adachi, H. *see* Zaima, S. 4—36178

Adachi, K. *see* Soeda, A. 4—55022

Adachi, K. *see* Takasago, H. 4—58655

Adachi, M., Inari, T., Kamei, M. Monitoring of roughness profile of metal surface using diffuse reflection of laser light 4—61601

Adachi, S., Oe, K. Linear electro-optic effects in zincblende-type semiconductors: key properties of InGaAsP relevant to device design 4—47301

Adachi, S. *see* Asai, H. 4—42064

Adachi, S. *see* Iwamiya, T. 4—40134

Adachi, S. *see* Ohnuki, S. 4—56303

Adachi, S. *see* Uno, T. 4—45365, 4—53211

Adachi, T., Hirose, M., Moriyama, S. Measurement of transistor model parameters for computer aided design of electronic circuits 4—50906

Adachi, T., Okazaki, M., Tsuzuki, Y. Improvements of laser interferometric measurement system of vibration displacements 4—33486

Adachi, Y. *see* Horio, K. 4—47296

Adachi, Y. *see* Takefuj, Y. 4—58270

Adair, W.W., Wustrau, R. Coil cable connector positioning 4—46654
Adam, J., Kreisinger, V Magnetic field in an anisotropic annuloid 4—42763
Adam, J.A. *see* Fischetti, M.A. 4—45226
Adam, J.F., Bradbury, J., Charman, W.R., Orawski, G., Vanner, M.J. Overhead lines—some aspects of design and construction 4—62215
Adam, M., Delsanti, M., Pieransky, P., Meyer, P. Magnetic sphere rheometer 4—33553
Adam, P. *see* Le Du, A. 4—34160
Adama, M.J., Buus, J. Two-segment cavity theory for mode selection in semiconductor lasers 4—31409
Adamec, V., Svatik, A., Calderwood, J.H. Contactless measurement of charge and current in polyethylene 4—61501
Adamek, E., Kobus, A. Investigation of the surface and ground water pollution in the vicinity of selected power plant wasteyards 4—45299
Adamenko, A.A. Quantitative indicators of radiation inspection of welded joints 4—35546
Adamenko, G.M., Artamonov, V.A., Bulavko, A.A. Multifunctional terminal system of a scientific centre 4—32462
Adami, H.-J. The linear actuator—a stepping motor with linear motion 4—40275
Adamian, V., Uhlir, A., Jr. Simplified noise evaluation of microwave receivers 4—55662
Adamkiewickz, J. *see* Walusiak, S. 4—51604
Adamkiewicz, J. *see* Janowski, T. 4—62631
Adamowicz, T. *see* Siejca, A. 4—47427
Adams, A. *see* Moreland, J. 4—46873
Adams, A.C. Dielectric and polysilicon film deposition 4—41103
Adams, A.R. *see* Hayes, J.R. 4—30344
Adams, A.T., Leviatan, Y., Nordby, K.S. Electromagnetic near fields as a function of electrical size 4—37619
Adams, A.T. *see* Li, P.G. 4—42901
Adams, D.F. *see* Peterson, D.R. 4—42788
Adams, G.B. *see* Hollandsworth, R.P. 4—40373
Adams, G.W., Hadfield, M.J. Breaking the precision barrier for aircraft inertial systems 4—61877
Adams, J.A. *see* O'Sullivan, D. 4—55885
Adams, J.H. Switch-regulated power supply 4—62613
Adams, J.H., Forde, J.E., Gopalakrishna, Y.R. Low voltage power supply leakage test [for ROI ICs] 4—52203
Adams, J.H., Jr. *see* O'Sullivan, D. 4—55957
Adams, J.M., Aldrich, T.K., Arora, N.S., Rochester, D.F. Multivariate analysis of diaphragm EMG power spectral moments 4—33836
Adams, J.M., Walkup, J.F., Krile, T.F., Shamir, J. Two-dimensional white-light space-variant processing 4—43408
Adams, J.S. Electronic guitar tuner 4—44330
Adams, J.W., Willson, A.N., Jr. Some efficient digital prefilter structures 4—41495
Adams, J.W. *see* Ondrejka, A.R. 4—59804
Adams, L.D. Functional architecture. II. Communications computing 4—43793
Adams, M.J. *see* Buus, J. 4—47457
Adams, M.J. *see* Osinski, M. 4—42632
Adams, P.F., Cox, S.A., Glen, P.J. Long reach duplex transmission systems for ISDN access 4—38415
Adams, P.F. *see* Cowan, C.F.N. 4—53359
Adams, R.W. Companded predictive delta modulation: an inexpensive, high-quality A/D converter for audio applications 4—51344
Adams, S. *see* Peck, M. 4—31087
Adams, S.L., Brill, M.H. A characterization of underwater acoustic channels for communication system design 4—32659
Adams, T. *see* Finegold, L. 4—58289
Adamski, J. *see* Grossman, W.M. 4—47367
Adamski, J.L., Gallagher, W.J., Kennedy, R.C., Shoffstall, D.R., Tyson, E.L., Yeremian, A.D. Accelerator technology for a high power short wavelength FEL 4—47485
Adamson, A.W., Namnath, J., Shastry, V.J., Slawson, V. Thermodynamic inefficiency of conversion of solar energy to work 4—57354
Adamson, P.V. *see* Fedoseev, V.G. 4—42410
Adanero, J.L., Echegoyen, L.G., Espadas, R. MAR 801 (1604): Multi-Access Radio System for rural telephony 4—38206
Adar, R. *see* Shappir, J. 4—46911
Adas'ko, V.I., Raisin, I.B., Sidorov, O.P. Design of stamped disc windings for DC electric machines 4—34685
Adatia, N. *see* Claydon, B. 4—59869
Adaway, W.G.L. *see* Paler, K. 4—51668
Adbellah, M.A. *see* Abdullah, M. 4—30838
Adcock, R. Protection at a stroke 4—62239
Adda, J.-L. *see* Lorente, P. 4—49269
Adde, R. *see* Henaux, J.-C. 4—59165, 4—59840
Adde, R. *see* Vernet, G. 4—37063
Addison, R.C., Jr. *see* Richardson, J.M. 4—56369
Ade, F. *see* Unser, M. 4—38038
Ade, G., Hanssen, K.-J. Compensation of aberrations in electron Fourier holography 4—37503
Ade, P.A.R. *see* Nolt, I.G. 4—39710
Adelson, E.H., Burt, P.J. Multi-resolution splining using a pyramid image representation 4—53834
Adelson, R.M. Music keys for the BBC microcomputer 4—55101
Adesida, I. *see* Chinn, J.D. 4—30540, 4—46961
Adesida, I. *see* Karapiperis, L. 4—41976
Adesida, I. *see* Wolf, E.D. 4—46942
Adhem, S.M.I., Abdul-Karim, M.A.H. Six-trit successive-approximation analogue-to-ternary converter using CMOS ICs 4—29949
Adi, A. A new type of $\lambda/8$ stubs bandpass filter 4—36026
Adi, W. Fast burst error-correction scheme with fire code 4—51287
Adie, G., Holodnik, B., Pitt, K. SEM/EDX analyses of some interactions between thick film resistors and dielectrics 4—41730
Adkins, L.R., Glass, H.L., Stearns, F.S., Carter, R.L., Kok Wai Chang, Owens, J.M. Electronically variable time delays using cascaded magnetostatic delay lines 4—31038
Adkins, R.D. *see* Singer, J.F. 4—57746
Adler, A.G. Certain formal procedures for selecting additional symbols for the detection and correction of arbitrary sets of errors 4—53401
Adler, D., Shur, M.S., Silver, M., Ovshinsky, S.R. Reply to 'Comment on "Threshold switching in chalcogenide-glass thin films"' 4—51794
Adler, D. *see* Shapiro, F.R. 4—41802, 4—53698, 4—58741
Adler, D. *see* Silver, M. 4—58748
Adler, E., Bergendahl, A.S., Ellis, W., Fifield, J., O'Neill, E.F. A high performance, high density 256K dRAM utilizing 1X projection lithography 4—35811
Adler, E., McNichol, J.J. Scaled FET ROM programmed with boron and phosphorus implantation 4—46464
Adler, E., Perez, F. Development of a large scale bipolar Ni-H_2 battery 4—40412
Adler, E.A., Longo, R.T. Theory of the retarding potential method of cathode temperature measurement 4—41780
Adler, E.L. *see* El Nokali, M. 4—52427
Adler, E.L. *see* Nassar, A.A. 4—59124
Adler, J. CAD/CAM for printed circuits in application 4—36130
Adler, M.S. *see* Baliga, B.J. 4—47010, 4—58910
Adler, M.S. *see* Chang, M.F. 4—36619
Adler, M.S. *see* Love, R.P. 4—47029
Adler, R.P. The range of interactive media 4—32237
Adler, T.C. *see* Loo, B.W. 4—55401
Adlerstein, M.G., Chu, S.L.G. GaAs IMPATT diodes for 60 GHz 4—30096
Adlivankin, A.S., Zhukov, N.D., Raigorodskii, V.M., Sosnovskii, S.A., Shestak, L.I. Characteristics of radiation emitted by GaSb/GaAlAsSb injection heterolasers 4—42661
Adnitt, A. PROM expansion card 4—29850
Adoevtsev, S.N. *see* Stepanov, V.I. 4—49671
Adolf, A., Chatrefou, D., Gouedard, C. Temporal and spatial spectrum broadening in a nonlinear optical medium double mode oscillator design 4—31477
Adomian, G. Analysis of space systems 4—35417
Adoul, J.-P., Lamblin, C., Lequyader, A. Baseband speech coding at 2400 BPS using spherical vector quantization 4—53494
Adoul, J.-P. *see* Soumagne, J. 4—53527
Adraktas, A.N. *see* Allan, R.N. 4—34079
Adrian, F. Considering problems of flow, combustion and heat transfer in combustion chambers of large coal fired steam generators 4—45287
Adrian, F. Solid fuels in steam generators 4—62389
Adrian, R.J. Scattering particle characteristics and their effect on pulsed laser measurements of fluid flow: speckle velocimetry vs. particle image velocimetry 4—47534
Adrian, R.J. *see* Yao, C.-S. 4—47533
Adursky, I.S., Stanchev, S.B., Hristovam, Z.V., Zolev, K.P., Kirov, M.R. Microprocessor price-calculating scale 4—48700
Adushkin, A.V., Basov, N.B., Danilychev, V.A., Dolgikh, V.A., Kerimov, O.M., Myznikov, Yu.F., Tamanyan, G.Yu. Output spectrum of a XeF(B)—XeF(X) laser with photolytic pumping of XeF_2 4—42559
Adzhalov, A.R. *see* Pashaev, A.M. 4—51869
Aebi, V., Bandy, S., Nishimoto, C., Zdasiuk, G. Low-noise microwave field-effect transistors using organometallic GaAs 4—42045
Aebischer, N., Bainier, C. Multicolor holography of animated scenes by motion synthesis using a multiplexing technique 4—37481
Aeby, B. Opening the international connections of the Swiss Telepac network 4—48251
Aeby, I. *see* Gobby, P.L. 4—36231
Aeby, I. *see* Yates, G.J. 4—37220
Aenishanslin, W. High pressure water technique in service of the environment 4—57669
Aeschlimann, H. *see* Schurle, B. 4—57006
af Gennas, C.Boije *see* Boije af Gennas, C.
Afanas'ef, A.A. Valve machine static stability 4—45417
Afanasev, A.A. Steady-state stability of a machine with rectifier 4—45452
Afanas'ev, A.A., Pupin, V.M. Calculating the magnetic field of a synchronous salient pole machine 4—45405
Afanas'ev, A.I. The advisability of checking for failures of thyristors in transformer on-load tap-changing schemes 4—49931
Afanas'ev, A.P., Trofimov, Yu.A. Screening of alternating magnetic fields in grooveless turbogenerators 4—62495
Afanas'ev, V.N., Shtan', A.S. System principles in instrument making 4—39004
Afek, Y. *see* Gerla, M. 4—32124
Afendykow, M. *see* Mains, R.K. 4—36043
Afonin, A.A., Grebenikov, V.V. Step division of the linear electromagnetic motor 4—57075
Aftelak, S.B. *see* Clark, A.P. 4—38375
Agadjanyan, S.A. *see* Arutunyan, V.M. 4—42704
Agaev, A.M. *see* Askerov, D.D. 4—41900
Agaev, E.A. *see* Koltun, M.M. 4—62701
Agaev, V.V. *see* Garbuzov, D.Z. 4—42468, 4—47470
Agafonov, V.G. *see* Garbuzov, D.Z. 4—42468
Agaian, S. *see* Arakelian, A. 4—53784
Agakhanov, L.G., Kungs, Ya.A. Automatic lighting control in industrial buildings 4—50213
Aganagic, M. Newton's method for linear complementarity problems 4—35400
Agapakis, M. *see* Economakos, E. 4—34091
Agari, Y. *see* Himei, T. 4—56986
Agarwal, A. *see* McCoskey, J.S. 4—54653
Agarwal, A.K. New mode scrambler for optical fibre measurements 4—42346
Agarwal, A.K., Chao, C.C., Vogel, R.H., White, M.H. On the transient and steady-state transport of electrons and holes in the MNOS and MONOS devices 4—36634
Agarwal, A.K., White, M.H. On the nonequilibrium statistics and small signal admittance of Si-SiO_2 interface traps in the deep-depleted gated-diode structure 4—41909
Agarwal, G.S. *see* Shenoy, S.R. 4—31420
Agarwal, G.S. *see* Wolf, E. 4—37400
Agarwal, M.S., Holmes, R. Cathode spot motion in high-current vacuum arcs under self-generated azimuthal and applied axial magnetic fields 4—30235
Agarwal, M.S., Holmes, R. Arcing voltage of the metal vapour vacuum arc 4—30236
Agarwal, R.C., Sudhaker, R., Agrawal, B.P. Multiplierless implementations of MF/DTMF receivers 4—53615
Agarwal, R.C. *see* Bhattacharya, M. 4—47840, 4—53626
Agarwal, R.P., Chow, Y.M. Iterative methods for a fourth order boundary value problem 4—29423
Agarwal, S.B., Tiwari, B.R. Critical angle effect on QL mode radio wave reflections in ionosphere 4—53214
Agarwal, S.C. *see* Gupta, P.P. 4—46003, 4—50596
Agarwal, S.C. *see* Kumar, S. 4—36290
Agarwal, S.K. Electrical maintenance in the plant 4—29207
Agarwal, S.K., Samanta, S.B., Batra, V.K., Narlikar, A.V. Growth of Nb_3Sn in multifilamentary bronze composites 4—37051
Agarwala, M.P. Microprocessors for data communication 4—54375
Agashe, P.G., Sitaraman, V. Quick instrumental techniques for testing insulating materials 4—30860
Agashkov, A.V., Morgun, Yu.F. Effect of the secondary electrooptical effect on generation in lasers with negative feedback 4—42596
Agassi, D. Phenomenological model for picosecond-pulse laser annealing of semiconductors 4—46910
Agathoklis, P., Hamza, M.H. Comparison of three algorithms for load frequency control 4—56433
Ageev, L.A., Miloslavskii, V.K. Effect of reabsorption on dye laser superradiance and lasing spectra under longitudinal excitation 4—59465
Ageev, V.P., Gorbunov, A.A., Danilov, V.P., Konov, V.I., Nikitin, P.I., Prokhorov, A.M. Plasma-formation threshold conditions for the interaction of pulsed ultraviolet radiation with solid targets 4—59679
Aggarwaal, A., Melville, R. Fast computation of the modality of the verticals of a convex polygon 4—47716
Aggarwal, I.D. Minitutorial: design and fabrication of optical cables 4—54802
Aggarwal, I.D. *see* Chapman, J.E. 4—32839, 4—59198
Aggarwal, I.D. *see* In't Veld, S.H. 4—52628
Aggarwal, J.K. *see* Leou, T.-Y. 4—43392, 4—60034
Aggarwal, J.K. *see* Park, S. 4—58461
Aggarwal, J.K. *see* Yalamanchili, S. 4—53863
Aggarwal, N.L., Bouchnon, B. An interpretation of discrimination measures by means of mutual informations 4—43068
Aggarwal, R.K., Johns, A.T., Kalam, A. Computer modelling of series compensated EHV transmission systems 4—62150
Aggarwal, S.L. *see* Datta, O.P. 4—62438
Aggleton, M.J., Heighes, J. The effect of heat aging and moisture absorption on the CTI of laminates 4—59097

Aghvami, A.H. Performance analysis of 16-ary QAM signalling through two-link nonlinear channels in additive Gaussian noise 4—43077
Aghvami, A.H. *see* Chapman, A.G. 4—38578
Agius, B. *see* Rabinzohn, P. 4—46953
Agius, B. *see* Rochet, F. 4—46954
Agler, W., Markowich, P.A., Selberherr, S. A singular perturbation analysis of discretisation methods for the parabolic semiconductor device equation 4—36507
Agnel, J.-F. Autoregressive modelling and classification of ground clutter. Recognition application 4—60886
Agnelo, R.W., Doyle, J.E., Sirsen, J.M. Air- or gas-agitated process basket 4—46711
Agnew, D. *see* Jain, N.K. 4—36529
Agnola, D. Videotex, banking and commerce 4—38258
Agranovich, V.L., Get'man, V.A., Efimov, V.P., Karnaukhov, I.M., Kuz'menko, V.S., Semisalov, I.L. Spectrometer with crossed electric and magnetic fields for the change of direction of the polarization vector of an electron beam 4—49096
Agranovich, V.M. Self-induced transparency on surfaces 4—31495
Agrawal, A.K., Bhat, B. Hybrid-mode analysis of slot resonators with side walls 4—51512
Agrawal, B.P. *see* Agarwal, R.C. 4—53615
Agrawal, B.P. *see* Chang, H. 4—54522
Agrawal, B.P. *see* Kumaresan, R. 4—38000
Agrawal, D.P., Alexander, W.E. B-HIVE: a heterogeneous, interconnected, versatile and expandable multicomputer system 4—60473
Agrawal, G.P. Line narrowing in a single-mode injection laser due to external optical feedback 4—42646
Agrawal, G.P. Heuristic approach to spontaneous emission factor of gain-guided lasers 4—47463
Agrawal, G.P., Dutta, N.K. Optical bistability in coupled-cavity semiconductor lasers 4—52980
Agrawal, G.P., Olsson, N.A., Dutta, N.K. Reduced chirping in coupled-cavity-semiconductor lasers 4—52946
Agrawal, J.P., Iyer, S.S. Performance improvement of low bit-rate DPCM and ADPCM coders by sample robbing 4—37882
Agrawal, P. Design methodologies applicable to microprocessors 4—29929
Agrawal, P.K. *see* Bhandani, P.K. 4—42680
Agrawal, S.K. *see* Chaturvedi, U.K. 4—36452
Agrawal, S.S. *see* Ansari, A.M. 4—61599
Agrawal, V.D., Jain, S.K., Singer, D.M. Automation in design for testability 4—58224
Agrawal, V.D. *see* Mercer, M.R. 4—42097
Agrawal, V.D. *see* Seth, S.C. 4—36650
Agrawal, V.K. *see* Murugesan, S. 4—51351
Agrawal, Y.C. Quadrature demodulation in laser Doppler velocimetry 4—47531
Agrawal, Y.C. A CCD chirp-Z FFT Doppler signal processor for laser velocimetry 4—48804
Agrawala, A.K., Coffman, E.G., Jr., Garey, M.R., Tripathi, S.K. A stochastic optimization algorithm minimizing expected flow times on uniform processors 4—40921
Agrawala, A.K. *see* Thareja, A.K. 4—53968
Agraz-Guerena, J., Parrillo, L.C. Twin tub CMOS for VLSI memories and microprocessors 4—36917
Agrest, G.D. *see* Lyashenko, V.V. 4—39313
Agrinskii, P.V., Zakharchenya, B.P., Tsukerman, E.V., Chudnovskii, F.A. Matched holographic filtering in FTIROS 4—42741
Aguet, M., Schaedeli, B. A modular concept of an educational network 4—40727
Aguet, M. *see* Sauvain, H. 4—49588
Aguilar, A. A new audio and video biofeedback technique 4—49287
Aguilar, J.C. *see* Quetglas, G.M. *(editor)* 4—49233
Aguilar-Benitez, M. *see* Allison, W.W.M. 4—61683
Aguilo, J. *see* Ramos, R. 4—53409
Aguirre, J.Ramio *see* Ramio Aguirre, J.
Agusti, R. Multiple tone interferers in an FH-MFSK spread spectrum communication system 4—60727
Agusti, R. *see* Casadevall, F. 4—60867
Aharoni, A. *see* Templeton, T.L. 4—31579
Aharoni, H., Swart, P.L. Influence of gettering on the properties of ion implanted Si photovoltaic devices 4—34910
Ahearn, J.S. *see* Byer, N.E. 4—30560
Ahearne, J.F. Prospects for the US nuclear reactor industry 4—34297
Ahern, J. *see* Delisle, G.Y. 4—61522
Ahl, D.H. Sakata SC-100 monitor 4—39053
Ahlen, S.P., Coan, T.E., Drach, J., Price, P.B., Salamon, M.H., Tarle, G., Tincknell, M.L., Guo, S. Identification of relativistic nuclei with $10 \lesssim Z \lesssim 92$ 4—55955
Ahlen, S.P. *see* Salamon, M.H. 4—61713
Ahlers, R.-J., Warnecke, H.J. A new optical method for the measurement of surface roughness of technical surfaces 4—61594
Ahlgren, D.C., Deines, J.L., Hearn, E.W., Poponiak, M.R. Substrate screening process 4—36407
Ahlgren, D.C., Dockerty, R.C. Poly base contact etch process 4—36478
Ahlgren, D.C., Fury, M.A., Poponiak, M.R. Modified ultrasonic rinse for removal of film particulates 4—30481
Ahlgren, L. *see* Le Du, A. 4—34160
Ahlswede, R. *see* El Gamal, A. 4—35380
Ahlswede, R. *see* Ingemarsson, I. 4—43138
Ahm, P., Mortensen, B. DRO-1—a supervision and control unit for power plants [power supply systems] 4—56487
Ahmad, I. Relative alpha intensities of several actinide nuclides 4—56014
Ahmad, M., Nasiruddin Application of doubly fed induction motor in power system state measurements 4—39777
Ahmad, M.B. *see* Chen, C.F. 4—46121
Ahmad, M.O., Ahmadi, M., Ramachandran, V. Transfer function realization of a class of doubly-terminated two-variable lossless networks and their application in linear-phase 2-dimensional digital filter design 4—53746
Ahmad, M.O., Shankar, K., Ramachandran, V. Realization of a class of singly-terminated two-variable lossless ladder networks 4—41167
Ahmad, N., Hamilton, G., Leney, J.E., Lewis, R.K., Yeh, H.L. Seal band pretinning and cap sealing without chemical flux 4—50539
Ahmad, S.Hasanuddin *see* Hasanuddin Ahmad, S.
Ahmad, S.I. *see* Jamali, M.M. 4—60068
Ahmad, W. A simple technique for noncontact sensing of angular speed 4—55701
Ahmadi, M., Ramachandran, V. New method for generating two-variable VSHPs and its application in the design of two-dimensional recursive digital filters with prescribed magnitude and constant group delay responses 4—51444
Ahmadi, M., Ramachandran, V. Design of linear phase two dimensional filters for image processing applications 4—53943
Ahmadi, M. *see* Ahmad, M.O. 4—53746
Ahme, J., Bieler, C., Marks, J., Riebesell, M., Spitzer, H., Wittenburg, K., Winter, G.-G. Silicon photodiode readout of a lead-scintillator shower counter 4—39470
Ahmed, A. *see* Sellmyer, D.J. 4—30954
Ahmed, A.S. *see* El-Sulaiman, A.A. 4—47144
Ahmed, F.A. A ranging plotter for close-range applications 4—53117
Ahmed, H. *see* Cleaver, J.R.A. 4—36380
Ahmed, H. *see* Hopper, G.F. 4—42154
Ahmed, H. *see* Lee, K.L. 4—30480
Ahmed, H. *see* McMahon, R.A. 4—41939
Ahmed, H. *see* McMillan, G.B. 4—41950, 4—51985
Ahmed, K.U. Thin-film integrated band-rejection filters 4—58437
Ahmed, K.U. Integrated nonuniform thin-film microsystems of circular geometry 4—58638
Ahmed, M. Role of physics in Saudi engineering education 4—50366
Ahmed, M., Gibson, C.A. Use of load-duration curves in fuel management 4—62087
Ahmed, M.E., Nathenson, R.D., Patel, M.R., Sr. Vibration analysis in large superconducting generator stators using cyclic symmetry 4—56960
Ahmed, M.S., Tahboub, K.K. Recursive Wiener filtering for image restoration 4—60259
Ahmed, N., Hush, D., Elliott, G.R., Fogler, R.J. Detection of multiple sinusoids using an adaptive cascaded structure 4—53750
Ahmed, N.A.G. Warning device for continuous wire feed evaporation source 4—50823
Ahmed, N.A.G., Teer, D.G. A simple and inexpensive rotating barrel to ion plate small components 4—29534
Ahmed, S., Borduas, H., Marks, G., Quittner, E. Canadian solar array developments for space applications 4—56248
Ahmed, S.S. *see* Khondker, A.N. 4—36251
Ahmed, S.S. *see* Kim, D.M. 4—36250
Ahmed, U. *see* Schatz, J.F. 4—35103
Ahmed-Zaid, S. *see* Sauer, P.W. 4—56961
Ahn, K.Y., Czornyj, G. Plasma polymerized films for archival optical storage 4—52439
Ahn, K.Y., Herd, S.R., Tu, K.N. High purity refractory-metal silicide target [for sputter deposition of alloy thin films] 4—50813
Ahn, S., Ganguly, A. Design of slow wave broadband gyro-TWT with a bifilar helix circuit 4—41783
Ahn, S. *see* Ganguly, A.K. 4—36216
Ahnert, W. The sound power of different acoustic sources and their influence in sound engineering 4—44658
Ahonen, R.G. *see* Cole, B.E. 4—42448
Ahrenkiel, R.K., Dunlavy, D.J. The density of states at GaAs/native oxide interfaces 4—46889
Ahrenkiel, R.K. *see* Kazmerski, L.L. 4—50046
Ahrenkiel, R.K. *see* Matson, R.J. 4—36334
Ahrens, M. *see* Rinerson, D. 4—58342
Ahrens, T. Single-chip computer controls frequency counter 4—48925
Ahsan, Q. *see* Schenk, K.F. 4—56460
Ahson, S.I. *see* Mahalanabis, A.K. 4—49549
Ahson, S.I. *see* Singh, L. 4—49945
Ahuga, B. *see* Cherrick, F. 4—54034
Ahuja, B.K., Baxter, W.M., Gray, P.R. Programmable CMOS interface processor for telecommunications applications 4—29893
Ahuja, B.K., Baxter, W.M., Gray, P.R. A programmable CMOS dual channel interface processor 4—54554
Ahuja, B.K., Baxter, W.M., Gray, P.R. Programmable telecoms CMOS dual-channel interface processor 4—60551
Ahuja, S.B. *see* Reggia, J.A. 4—47812
Ahumada, A.J., Jr., Nagel, D.C., Watson, A.B., Yellott, J.I., Jr. Reduction of display artifacts by random sampling 4—53836
Ai, T. *see* Ueda, H. 4—47873
Ai-Jin Lu *see* Lu Ai-Jin
Ai-zhen Zhang *see* Zhang Ai-zhen
Aichele, D. *see* Imamura, M.S. 4—39674
Aichele, G. Inert gas-shielded arc welding in the toolroom 4—62857
Aichelmann, F.J., Jr., Jarvela, R.A. Thermally enhanced integrated circuit chip module 4—30689
Aichner, H. CATV input stage for TV demodulator AMF 2 4—61060
Aida, F. *see* Domae, Y. 4—34188
Aida, K. *see* Kobayashi, Y. 4—38640
Aida, K. *see* Takise, T. 4—55126
Aida, M. *see* Sato, T. 4—33420
Aida, T. *see* Taguchi, S. 4—46756
Aida, T. *see* Uchimura, K. 4—46661
Aida, T. *see* Yamamoto, S. 4—36177
Aidala, V.J. *see* Hammel, S.E. 4—60934
Aidan, M., Rocaries, F., Hamam, Y., Poirier, J.P. Optimal coupling of photovoltaic solar panels to a compression cold room 4—35061
Aidarous, S.E. *see* Mahmoud, S.A. 4—32690
Aidun, R., Caton, R., Arajs, S. Automation of the direct current comparator resistance bridge 4—55584
Aiello, P. *see* Simoni, F. 4—42426
Aigner, M., Grosskopf, R., Tippe, W. The design of the new MF transmitting-antenna installation for the Sudwestfunk's Lake Constance station 4—59843
Aihara, K. *see* Kimura, H. 4—38398
Aihara, K.-I. *see* Kikuchi, K. 4—32519
Aihara, M. *see* Endo, Y. 4—34193
Aihara, R. *see* Anazawa, N. 4—36429
Aihara, S. *see* Aono, Y. 4—36057
Aihara, Y., Takahashi, T. High voltage DC V-t characteristics of long air gaps 4—56652
Aikawa, H. *see* Ara, K. 4—55404
Aikawa, K., Sugiyama, M., Shikano, K. Phoneme recognition based on top-down approach 4—53475
Aikawa, K., Sugiyama, M., Shikano, K. Spoken word recognition based on top-down phoneme recognition 4—59961
Aiken, L.E., Greenlief, G.L. Electrical isolation power supply for typewriter assembly conveyor systems 4—40856
Aiki, K. *see* Murofushi, F. 4—59529
A.I.Kuz'michev. *see* Kuz'michev. A.I.
Ailian Zhou *see* Zhou Ailian
Ailloud, J.C. Evaluation kits for rapid analysis of complex circuits 4—55536
Ailon, A. End-point prosthetic control via binary coded EMG signal 4—49314
Ailon, A. A new approach to a prosthetic control by a binary coded EMG signal 4—56199
Aina, O. *see* Campbell, P.M. 4—46809
Aina, O.A. *see* Pande, K.P. 4—36432
Ainger, F.W. *see* Hall, J.P. 4—30939
Ainger, F.W. *see* Shorrocks, N.M. 4—30848
Ainger, F.W. *see* Whatmore, R.W. 4—55467
Ainlay, T., Jr. Japan revels in new media [CATV networks development] 4—38844
Ainlay, T., Jr. Japan small format video—8mm conspiracy 4—55062
Ainslie, B.J., Beales, K.J., Cooper, D.M., Day, C.R. Monomode optical fibres with graded-index cores for low dispersion at 1.55 μm 4—37111
Ainslie, B.J., Beales, K.J., Cooper, D.M., Day, C.R. Sensitivity of the performance of monomode fibres to the fabrication conditions 4—59197
Ainslie, B.J. *see* Skeats, A.P. 4—42373
Ainslie, N.G., Palmateer, P.H., Sullivan, J.F. Metallurgy system for pin attachment to MLC 4—35312
Ainsworth, R.A. *see* Goodall, I.W. 4—62276
Aipperspach, A.G., Wu, P.T. Content-addressable memory cell having only six transitions 4—29868
Aird, R.J., Bruffell, P.D., Wooldridge, D.M. Energy consumption in a dye works 4—62881
Airong Dou *see* Dou Airong
Airu Shi *see* Shi Airu
Aishima, A., Fukushima, Y. An analysis of an electronically tunable n-GaAs distributed oscillator 4—36041
Aishima, A., Fukushima, Y. Analysis of high-speed and high-gain *n*-InP transferred electron effect photodetector 4—44087
Aishima, A., Fukushima, Y. Numerical study of an *n*-gallium arsenide diode distributed oscillator 4—52043
Aiso, H. VLSI technology for next generation computers 4—30716
Aiso, H. *see* Takefuj, Y. 4—58270

Aissani, Z. Operation analysis of the output stage in a horizontal scanning generator with parallel power supply 4−54993
Aitchison, C.S. *see* Chapman, A.G. 4−38578
Aitchison, C.S. *see* Riris, A. 4−37684
Aitchison, C.S. *see* Tang, O.S.A. 4−36031
Aitchison, I. *see* Braunovic, M. 4−41634
Aitchison, J.M. Numerical modelling of PIN diodes 4−42026
Aitken, A. *see* Broomfield, B. 4−47998
Aitken, D.W., Pittson, R.W. Hybrid circuit manufacture using an infrared furnace and standard thick film materials. II 4−41728
Aitken, G.J.M., Balaberda, R. Evaluation of PROM characteristics 4−31182
Aitken, T.W., Joy, T., Price, H.G. Initial operating experience with beams at the Daresbury tandem 4−33571
Aitov, I.L., Kutdusov, F.Kh. Analysis of faulty operation upon breakdown of AC/DC conversion in multibridge resonant inverters with an inductive input 4−62615
Aivazyan, Yu.M., Kovalenko, S.A., Sozinov, V.A. Dependence of the spectrum of a wide-band laser on the selective loss profile 4−42513
Aizaki, N. Recrystallization of silicon film on insulating layers using a laser beam split by a birefringent plate 4−29502
Aizawa, S. *see* Akino, K. 4−32613
Aizenberg, I.A., Kopecky, Ch.V., Nosenko, S.V. Low temperature oxidation of Si in the presence of oxide catalysts 4−30558
Aizenberg, J.B. Method of evaluating some techno-economic characteristics of lighting equipment 4−40586
Aizenshtat, L.I., Mitkokh, D.I., Efimov, Yu.A. Medical instrumentation of the ophthalmologic department of a municipal polyclinic 4−56072
Aizerman, M.A., Aleskerov, F.T. The Arrow paradox in group choice theory (analysis of the problem) 4−40908
Aizhen Ding *see* Ding Aizhen
Ajioka, J.S., Joe, D.M., McFarland, J.L. Slot radiators in septated waveguide 4−37765
Ajisawa, A. *see* Fujiwara, M. 4−60843
Ajmera, P.K., Haubersin, P.F. Deposition of semiconductor GaAs by thick film technique 4−58039
Ajmera, R.C. *see* Chitale, S.A. 4−36916
Ajmone Marsan, A., Roffinella, D. Multichannel local area network protocols 4−32355
Ajmone Marsan, M., Benedetto, S., Biglieri, E., Castellani, V., Elia, M., Lo Presti, L., Pent, M. Digital simulation of communication systems with TOPSIM III 4−37788
Akabane, K. A large millimeter wave antenna 4−59870
Akagi, H., Kanazawa, Y., Fujita, K., Nabae, A. Generalized theory of instantaneous reactive power and its application 4−57162
Akagi, H., Kanazawa, Y., Nabae, A. Instantaneous reactive power compensators comprising switching devices without energy storage components 4−57224
Akagi, H., Masaki, R., Takahashi, I., Nabae, A. Decoupled optimum current control of cycloconverter induction machine system 4−40247
Akagi, H., Ogasawara, S., Nabae, A. Constant torque transfer function control of self-controlled synchronous motors without damper windings 4−56953
Akagi, H. *see* Nakano, H. 4−40246
Akagi, M., Iijima, T. A construction of pole deviation tracking filter 4−43364
Akagi, M., Iijima, T. Recognition of Japanese phoneme by polarized linear predictive error coding−POLPEC II 4−53477
Akagi, S. *see* Ito, K. 4−45035
Akagiri, Y., Takubo, A., Shibata, N., Emura, H., Watabe, S. The MULTI 8 personal computer 4−33043
Akahori, H. *see* Mitsui, H. 4−40203
Akahoshi, H., Murakami, K., Wajima, M., Kawakubo, S. A new full additive printed wiring boards manufacturing process 4−58625
Akai, S. *see* Yokogawa, M. 4−61189
Akaike, D. *see* Shiota, H. 4−34798
Akamatsu, M., Suzuki, M. Fundamental performance and durability of current collection tire 4−45712
Akamatsu, N., Mori, H. Body surface multielectrode for inverse problem in electrocardiography and its application 4−33851
Akamine, M., Higuchi, T. Synthesis of minimum quantization error digital filters using floating-point arithmetic 4−47823
Akao, Y. *see* Goto, N. 4−42447
Akasaka, T. A velocity error detector of video signal reproduction system 4−55053
Akasaka, Y., Nishimura, T. Laser annealed polysilicon 4−47107
Akasaka, Y., Nishimura, T., Nakata, H. High speed CMOS devices fabrication on laser-recrystallized polycrystalline silicon island 4−30791
Akasaki, Y. *see* Nagao, S. 4−29872
Akashi, H. *see* Morita, M. 4−30142
Akatkin, O.A., Skvortsov, V.P. Close-focus roentgenotherapy with moving sources 4−39581
Akatov, Yu.A., Arkhangelsky, V.V., Aleksandrov, A.P., Feher, I., Deme, S., Szabo, B., Vagvolgyi, J., Szabo, P.P., Csoke, A., Ranky, M., Farkas, B. Thermoluminescent dose measurements on board Salyut type orbital stations 4−61841
Akatsuka, K. International comparisons and announcement services of atomic time based on Loran C 4−33499
Akavia, G.Y. *see* Kleinrock, L. 4−32089
Akazaki, M. *see* Sumiyoshitani, S. 4−47558
Akazawa, T. *see* Hara, H. 4−58372
Akazawa, Y. *see* Iwashita, K. 4−44085
Akbar, M. *see* Ishii, M. 4−45146
Akcasu, O.E. Convergence properties of Newton's method for the solution of the semiconductor transport equations and hybrid solution techniques for multidimensional simulation of VLSI devices 4−46989
Akdag, H., Bouchon, B. On the conversion of decision tables to computer programs 4−47774
Ake, R.L., Oglesby, D.M., Kilroy, W.P. A spectroscopic investigation of lithium dithionite and the discharge products of a Li/SO_2 cell 4−50031
Akenaga, Y. *see* Yamafuji, K. 4−31056
Akerlund, J. Hybrid power systems for remote sites−solar, wind and mini-diesel 4−56892
Akerlund, J.-O. Market key for surface mounting components 4−40866
Akerlund, J.-O. *see* Inada, K. 4−36091
Akerman, D.R., Volkov, S.N., Krasik, Ya.I., Petrov, A.V., Tolmacheva, V.G., Tolopa, A.M. Nanosecond accelerator for generating ion and electron beams 4−39401
Akerman J. How circuit breakers and cascading make economical sense 4−50433
Akers, F.I. *see* Karbassiyoon, K. 4−52652
Akers, L.A. *see* Neubauer, C.M. 4−52220
Akers, L.A. *see* Reasoner, K.J. 4−29782, 4−35747
Akgul, M. On polyhedral extension of some LP theorems 4−50702
Akhiyezer, A.N., Terzhova, V.P. Waveguides with a slot along the narrow wall 4−31732
Akhmadzhanov, A., Smolyak, A.M. Majority Gate with integrated-injection logic 4−58264
Akhmatov, M.G. Determination of the static stability threshold of a synchronous compensator given negative excitation 4−56970
Akhmedov, R. Development of electrochemical power stations 4−49725
Akhmedov, R. *see* Rasulov, D.T. 4−50063
Akhmedov, R.B., Belyaev, L.S., Chakhovsky, V.M., Khodos, T.A., Voronkov, M.E. Electric load leveling through energy storage 4−40365
Akhmerov, N.A., Gerasimov, V.P., Godonyuk, V.A., Gribkov, A.M., Egorov, Yu.Ya., Emel'yanov, A.I., Zhavoronkov, M.A., Smolyak, A.I. Reusable direct-current switch 4−49959
Akhmerov, N.A. *see* Azizov, E.A. 4−57238
Akhmerov, R.A. A new technique for generating signals at multiples of the mains supply frequency 4−49955
Akhrarov, M., Vasil'ev, B.I., Grasyuk, A.Z., Yastrebkov, A.B. NH_3-N_2 laser amplifier in the range 800-870 cm^{-1} 4−37311
Akhrarov, N.A. *see* Zaripov, M.F. 4−61333
Akhromenko, Yu.G., Bekesha, S.N., Il'chuk, G.A., Kurilo, I.V., Pavlishin, S.P. Growth forms of ZnTe crystals obtained by means of chemical transport reactions 4−58007
Akhromenko, Yu.G., Bilinskii, Yu.M., Varshava, S.S., Kiyak, S.G. Effect of pulsed laser radiation on the properties of filiform ZnTe crystals 4−31456
Akhromenko, Yu.G., Il'chuk, G.A., Pavlishin, S.P., Ivanov-Omskii, V.I. Electrical properties of epitaxial $Cd_xHg_{1-x}Te$ films grown by chemical transport reactions 4−36276
Akhsakhalyan, G.A., Sarkisyan, R.E. Infrasound type vibration meter S-004A 4−33965
Akhunov, N. *see* Apollonov, V.V. 4−31333
Aki, S.G. On the security of compressed encodings 4−53438
AKiba, M. *see* Tanaka, S. 4−61665
Akiba, S. *see* Utaka, K. 4−31265, 4−37371
Akiba, Y. *see* Iwasaki, M. 4−39392
Akimchenko, I.P., Rasulova, G.K. Anisotropy of the drift mobility of holes in a GeS single crystal 4−36298
Akimenova, V.M. *see* Borisova, V.P. 4−40115
Akimov, A.I. *see* Korol'kova, N.V. 4−42583
Akimov, A.V. *see* Budenkov, G.A. 4−35543
Akimov, D.Yu., Samoilenko, V.T. Use of FEU-85 photomultipliers in timing measurements 4−46781
Akino, K., Aizawa, S., Domae, M., Ikejiri, M. Evolutionary plans for the D70 digital switching system 4−32613
Akins, R.P., Lee, S.H. Two-stage injection-locked ring dye laser/amplifier for coherent image amplification 4−37398
Akintunde, J.A. Laser-induced diffusion of silicon atoms from Si_3N_4 films deposited onto GaAs 4−30516
Akinwande, A.I., Ho, C.P., Plummer, J.D. Experimental determination of the temperature dependence of argon annealed fixed oxide charge at the Si/SiO_2 interface 4−51881
Akishin, A.I., Kiryukhin, V.P., Novikov, L.S., Slivkov, I.N. Initiation of breakdown in vacuum by impacts of fast microscopic particles 4−58673
Akiyama, J. *see* Mori, L. 4−62797
Akiyama, K., Kishimoto, T., Sato, Y. Simultaneous transmission of voice and handwriting signals applying voice interleaving technique 4−38372
Akiyama, K. *see* Hirosaki, B. 4−53774
Akiyama, M., Gotoh, K. Digital telecommunication switching. VI. Trend of technology 4−48350
Akiyama, M., Hirose, M. Constitution of satellite switched TDMA network 4−60742
Akiyama, M., Kawarada, Y., Kaminishi, K. The growth of single domain GaAs on Ge (100) substrate by MOCVD 4−50829
Akiyama, M. *see* Isogal, Y. 4−61756
Akiyama, M. *see* Sano, Y. 4−47024
Akiyama, M. *see* Yamashita, M. 4−60604
Akiyama, R. *see* Yamamoto, T. 4−31890
Akiyama, S., Ogawa, S., Yoneda, M., Yoshii, N., Terui, Y. Multilayer CMOS device fabricated on laser recrystallized silicon islands 4−36866
Akiyama, T., Ishiguro, K. High-speed 1-MHz capacitance/conductance meter for measuring semiconductor parameters 4−48934
Akiyama, Y. *see* Matsumura, F. 4−57010
Akker, T.J.van den *see* van den Akker, T.J.
Akkouche, S., Thomas, G. Optimal constrained restoration and dynamic programming 4−60080
Akl, S.G. *see* MacKinnon, S. 4−37860
Akoh, H., Yagi, A., Sakai, S., Hayakawa, H. Josephson sampler 4−52487
Akoh, H. *see* Sakai, S. 4−52488
Akol'zin, P.A. *see* Margulova, T.Kh. 4−40106
Akopov, R.A., Antablyan, O.G., Khanikyants, E.K. Influence of dielectric channels on the parameters of high-current relativistic electron beams 4−51699
Akopyan, A.A., Guga, K.Yu., Dobrovol'skis, Z., Krotkus, A. Kinetics of establishment of the magnetoconcentration effect in extrinsic semiconductors 4−46819
Akopyan, E.A., Makhtiev, A.Sh., Poimanov, A.L. Influence of illumination on a *p-n* junction EMF induced by a weak transverse electric field 4−51857
Akopyan, E.A., Mekhtiev, A.Sh., Poimanov, A.L. Photon storage mode in a forward-biased p-n junction 4−48908
Akopyan, E.A. *see* Galandarov, G.A. 4−47354
Akop'yants, K.S., Emchenko-Rybko, A.V. A device for stabilising the focusing of the beam during electron-beam welding 4−45786
Aksamija, R. Availability and reliability of diesel unit water system of reserve electrical central nuclear power plant by Markov method 4−34279
Aksel'rod, B.E. *see* Kryukov, D.K. 4−62842
Aksenov, E.T., Grachev, V.G., Pruss-Zhukovskii, S.V., Shishkin, A.I., Mikhailov, A.V., Shcherbakov, A.S., Vinokurov, V.A., Grika, V.M., Serbulenko, M.G. A TeO_2-crystal acoustooptical spectrograph for the RATAN-600 radio telescope 4−32880
Aksenov, E.T. *see* Esepkina, N.A. 4−32879
Aksenov, V.A. *see* Shumilov, Yu.N. 4−45134, 4−45142
Aksenov, V.N., Solganik, G.Z., Troegubov, A.I. Simulation method for calibration testing of capacitance level gauges 4−39361
Aksenov, Yu.P., Lyapin, A.G., Popkov, V.I., Sakharov, A.E., Tarasov, A.I. A diagnostics method for sulfur hexafluoride insulation based on partial discharge parameters 4−59069
Aksenov, Ye.T., Vodovatov, I.A., Yesepkina, N.A., Rogov, S.A. Acousto-optic modulators with overlapping ultrasonic beams in optical information processing systems 4−47315
A.K.Sinham *see* Sinham A.K.
Aktar, M., Sankur, B., Istefanopulos, Y. Maximum likelihood and Bartlett spectrum estimates 4−53730
A.Kuchinsky *see* Kuchinsky A.
Akulichev, V.A., Ilyin, A.K., Tikmenov, V.V. A possibility of using OTEC systems in Arctic regions 4−62474
Akune, T., Sakamoto, N., Shibuya, Y. Effect of quenching immediately after sputtering on superconducting NbN films 4−31057
Akutsu, H. Trends in HPS lamp technology 4−62785
Akutsu, S. *see* Sakai, H. 4−50001
Akyel, C., Bosisio, R.G., Chahine, R., Bose, T.K. Measurement of the complex permittivity of food products during microwave power heating cycles 4−39288
Al Ramadhan, F.A.S., Hogarth, C.A. Some electrical properties of thin film sandwich assemblies of SiO/V_2O_5 4−30468
Al-Ahmad, H.A.M. *see* Vilar, E. 4−38579
Al-Astrabadi, F. *see* Chiarelli, C. 4−44818
Al-Bader, S.J. Propagation constants and delay parameters of near parabolic optical fibres 4−59230
Al-Bundak, O.M. *see* Wilton, D.R. 4−37516

Al-Chalabi, L.A. *see* Abdulla, W.H. 4—46382
Al-Hussaini, E.K., El-Rabhie, E.M. Preemphasis/deemphasis effect on the output SNR of SSB-FM 4—53375
Al-Jarallah, M.I. *see* Abu-Jarad, F. 4—56210
Al-Jaroudi, M.Y. *see* Hollis, R.L. 4—35527
Al-Jassar, A.A. *see* Taylor, D.M. 4—46880
Al-Khalili, D., Lazar, P. New dimensions in logic design: approaches to semicustom LSI and VLSI implementations 4—29817
Al-Kusayer, T.A. Assessment of the ECCS's unavailability of CANDU-PHWR following small LOCA 4—34365
Al-Mashat, A. ARABSAT serving its member states 4—60798
Al-mass'ari, M.A. *see* Abou-Elfotouh, F.A. 4—62451
Al-Najjar, S.A.R., Durrani, S.A. Track Profile Technique (TPT) and its applications using CR-39. II. Evaluation of V versus residual range 4—55866
Al-Najjar, S.A.R., Durrani, S.A. Irradiation fluence: an essential parameter in the optimization of ECE conditions 4—55875
Al-Najjar, S.A.R. *see* Durrani, S.A. 4—55967
Al-Nakeshli, I.S., Juma, S.M., Mulvey, T. High flux density single polepiece electron lenses 4—41794
Al-Quaddoomi, S.A., Scholz, R.A., Welch, L.R. On the non-existence of two dimensional binary Barker arrays 4—43056
Al-Ramadhan, F.A.S., Hogarth, C.A., Arshak, K.I. Time, temperature and pressure dependence of circulating and emission currents in sandwich structures of Cu-SiO/GeO_2-Cu 4—58818
Al-Saidi, I.A. *see* Harrison, R.G. 4—31466
Al-Sani, A. *see* Khoshaim, B. 4—40166
Al-Sinaid, M. R.F. sputtering of II.VI compounds 4—58054
Al-Zinky, J. *see* El-Gabaly, M. 4—47004
Alacakir, A. *see* Aygun, E. 4—47158
Alaev, Yu.M., Borobkov, V.M., Kosmatov, E.M., Lavrov, A.N., Okorokov, V.R. Finding the best interval between overhaul of main thermal plant based on fuel economy 4—56834
Alahuhta, T., Muukari, P. Approach to total energy management 4—50266
Alakel, M.N. *see* Viswanathan, V.R. 4—59978
Alam, M.N. *see* Husain, S.R. 4—39627
Alamaki, J. The possibilities of using district heating reactors for the production of electricity 4—45265
Alamaki, J., Alamaki, T., Olli, J.A., Lehtonen, A. On the use of a district heating reactor with an Organic Rankine Cycle—a calculation study 4—49713
Alamaki, T. *see* Alamaki, J. 4—49713
Alanen, E., Lindell, I. The effect of earthing on the electromagnetic field of a power line 4—39886
Alanen, E. *see* Lindell, I.V. 4—31737
Alarcon Gomez, J.R. A programmable melody generator 4—55112
Alarcon Gomez, J.-R. A programmable vehicle 4—35011
Alard, F. *see* Francois, P.L. 4—59210, 4—59211
Alari, M. Generation of programming voltages for EEPROMs 4—35798
Alaria, G.B., Pennoni, G. SS/TDMA satellite system with on board TST switching stage 4—60740
Alarie, R. *see* Cooke, B.E. 4—33817
Alasheev, A.E., Poberii, V.V. An approach to the organisation of distributed systems based on mini- and microcomputers 4—43745
Alattar, H.A. *see* MacKenzie, H.A. 4—37446
Alavai, K. *see* Chen, C.Y. 4—55478
Alavi, K. *see* Capasso, F. 4—37225, 4—42478
Alavi, K. *see* Chen, C.Y. 4—55496
Alavi, M. Simpler circuit design with the EEPROM NMC 9306/COP 494 4—29855
Alazrachi, A., da Silva, J. Long distance transmission systems 4—39848
Albanese, A. Star network with collision-avoidance circuits 4—32135
Albee, A.L. *see* Iwanczyk, J.S. 4—51727
Albella, J.M., Montero, I., Martinez-Duart, J.M. Electron injection and avalanche during the anodic oxidation of tantalum 4—46235
Albella, J.M. *see* Gomez-Aleixandre, C. 4—41618
Alberigi Quaranta, A., Catellani, A., Pizziolo, G., Zanarini, G. Monte Carlo simulation of charge collection time in closed ended HP Ge gamma detectors 4—33715
Alberkrack, J.H. Switching-regulator subsystems simplify DC/DC-converter design 4—46327
Albers, E. *see* Basting, D. 4—53034
Albers, J., Berkowitz, H.L. The relation between two-probe and four-probe resistances on nonuniform structures 4—33429
Albers, J. *see* Kukhtarev, N.V. 4—59586
Albers, J. *see* Roitman, P. 4—46929
Albert, G. *see* Munzel, H. 4—52271
Albert, H., Ungureanu, B. Functions and activities for the operative dispatch and control of the national power system 4—49508
Al'bertinskii, L.I. *see* Efimochkin, G.I. 4—40094
Alberto, V.S. *see* Johnson, D.H. 4—34829
Alberton, R.M. *see* Gela, G. 4—34726
Albertos, P., Alvarez, C., de la Puente, J.A. Online observability determination in electric power network 4—39834
Albertos, P., Crespo, A., Hernandez, A., de la Puente, J.A., Alvarez, C. Interactive software package for the analysis of electricity supply network measurement systems 4—56395
Albertos, P., Duato, J. Position control with power induction motors 4—49896
Albertsen, N.C., Pontoppidan, K. Analysis of subreflectors for dual reflector antennas 4—42942
Albertson, M.L. Introduction to small hydropower—its technology and development 4—45335
Albisser, A.M. *see* Marshall, T.G. 4—49288
Albrecht, A.P. FAA R&D for the NAS plan 4—61880
Albrecht, G., Faber, W., Tobolka, G. Time domain testing of surface acoustic wave filters 4—52382
Albrecht, G.F. *see* Eggleston, J.M. 4—59473
Albrecht, H., Lauterbach, C. Measurement of drift mobility and carrier density profiles in $In_{0.53}Ga_{0.47}As$ long-gate JFETs 4—36576
Albrecht, H. *see* Lademann, J. 4—52885
Albrecht, H. *see* Vater, P. 4—55961
Albrecht, H.E., Kroger, W., Fiedler, O. Length measurement on moved objects by means of a LDA-measuring place 4—44612
Albrecht, H.E. *see* Fuchs, W. 4—55754
Albrecht, P. Safety in the place of risk 4—57775
Albrecht, P., Rice, K., Jarisch, W.R., Mark, R.G. Efficient measurement of long term ST segment trends 4—49228
Albrecht, R.E. A utility's perspective on photovoltaic systems 4—56490
Albrecht, W., Enning, B. A broadband bipolar transistor amplifier for Gbit/s applications, developed with a CAD optimization program 4—41216
Albright, C.E. *see* Jones, T.A. 4—53114
Albright, C.E. *see* Ling, J. 4—58669
Albuquerque, A.A.de *see* de Albuquerque, A.A.
Albuquerque, J.P.A., Shimbo, O., Nguyen, L.N. Modulation transfer noise from a digital carrier to FDM/FM carriers in a memoryless nonlinear device 4—31845
Albuquerque, J.P.A., Shimbo, O., Nguyen, L.N. Modulation transfer noise effects from a continuous digital carrier to FDM/FM carriers in memoryless nonlinear devices 4—47729
Albuquerque, J.P.A., Shimbo, O., Nguyen, L.N. A power series expansion approach to evaluate modulation transfer noise effects from digital carriers to FDM/FM carriers in memoryless nonlinear devices 4—47730
Alchudjian, S.V. *see* Asatiani, T.L. 4—61719
Alcock, A.J. *see* Bourne, O.L. 4—59606
Alcorn, C.N., Kristoff, J.S., Niederer, W. Lithographic measurement aid for VLSI technology 4—47086
Aldana, F., Nunez, F., Olias, E., Uceda, J. Photovoltaic plant connected with AC power system without intermediate storage 4—34517
Aldana, F., Nunez, F., Olias, E., Uceda, J. Maximum power control circuit for a solar converter 4—57367
Aldana, F., Peire, J., Penalver, C.M. An optimal microcomputer-controlled converter for feeding AC motors 4—57207
Alden, J.W., Kosky, R.P. Products and services to improve PWR steam generator maintenance 4—49705
Alden, M., Fredriksson, K., Wallin, S. Application of a two-color dye laser in CARS experiments for fast determination of temperatures 4—53054
Alden, R.T.H., Qureshy, F.A. Application of the Component Connection Method to power system calculations 4—34105
Alden, R.T.H. *see* Rogers, G.J. 4—45442
Alderwick, B., Simpson, P. MEMEX. I [memory expansion board for BBC microcomputer] 4—35782
Aldinger, F. *see* Bischof, A. 4—58671
Aldinger, F. *see* Werdecker, W. 4—58060
Aldrich, M.J. The role of videotex as an information provider 4—54209
Aldrich, T.K. *see* Adams, J.M. 4—33836
Aldridge, D. Data acquisition networks using NMOS and CMOS techniques 4—61279
Aldrovandi, G., Borgonovo, G., Rovelli, S., Santagostino, G. AC power circuit breaker for 800 kV and above: requirements specification and criteria for the evaluation of the different designs 4—45552
Alduhayan, S.M., Chen, W. On the design of Bessel filters with prescribed RLC load 4—41456
Alduhayan, S.M., Chen, W.-K. Synthesis of Bessel filters with prescribed RLC load 4—46570
Alefeld, G., Herzberger, J. Introduction to interval computations 4—29386
Alegre de Miquel, I. *see* Fiol, M.A. 4—46297
Alegrett, J.L. US role in international satellite communications. II. Leadership continues 4—38539
Alegrett, J.L. High ideals: the Achilles' heel of INTELSAT? 4—54701
Alegria, C.M., Sucena Paiva, J.P., Freris, L.L. Microcomputer control of power converters 4—62617
Alegria, C.M. *see* Sucena Paiva, J.P. 4—34724
Alegria, E. *see* Azpilicueta, J. 4—49277
Aleinikov, A.B., Botte, V.A., Zarubin, L.I., Kollyukh, A.G., Malyutenko, V.K. Nonohmic hopping conduction in Ge:Zn subjected to strong electric fields 4—46804
Aleinikov, V.S., Belyaev, V.P., Devyatkov, N.D., Klimenko, V.I., Mamedli, L.D., Masychev, V.I., Sysoev, V.K. Applications of a carbon monoxide laser in surgery 4—44776
Aleinikova, V.I., Turovskaya, V.I. Heat losses in gas filled incandescent lamps 4—40587
Aleite, W., Bock, H.W., Rubbel, E. Video display units in nuclear power plant main control rooms: the process information system KWU-PRINS 4—44442
Aleithe, A.K. Eddy current adjustable-speed drives for central fan applications 4—34968
Alekhin, V.I., Kopytsev, I.V., Sidorov, G.I. Frequency stability requirements of radiating and reference oscillations of atmospheric radar probing systems 4—44153
Alekhin, V.I., Koryttsev, I.V., Klyushin, A.I., Sidorov, G.I. Estimation and choice of the optimal antenna angles during radar-acoustic methods of measuring the wind parameters near the Earth's surface 4—44911
Alekhin, V.I., Lebedeva, O.M., Ryzhenko, A.I., Sidorov, G.I., Sid'ko, V.I. Estimation and choice of the optimal antenna angles during radar-acoustic methods of measuring the wind parameters near the Earth's surface. II 4—44912
Aleksakhin, Yu.I., Perel'shtein, E.A. Stability of diaphragmed electron beams in a linear induction accelerator 4—55788
Aleksandrov, A.A., Vdovtsev, R.A., Petrov, V.N. New control facilities for low-capacity boilers 4—45305
Aleksandrov, A.E. Analysis of origin and development of defects in hydroelectric generator thrust bearings and bearings 4—34472
Aleksandrov, A.F., Galuzo, S.Yu., Kanavets, V.I., Mikheyev, V.V., Pletyushkin, V.A., Sokolov, S.A., Cherepenin, V.A. Relativistic quasioptical Cerenkov oscillator based on Wood's anomalies 4—30259
Aleksandrov, A.L., Ignatov, B.G., Milov, Yu.P. Wideband phase-shifter for a quadrature synchronous detector with the possibility of second harmonic detection 4—30060
Aleksandrov, A.P. *see* Akatov, Yu.A. 4—61841
Aleksandrov, A.V., Solomatin, V.S. Four-photon parametric up-conversion in sodium vapor pumped with monochromatic and noise radiation under strong and weak dispersion conditions 4—42715
Aleksandrov, I.L. *see* Drobadenko, V.P. 4—39091
Aleksandrov, I.N., Gerasimov, V.V., Grigorovich, E.I., Moroz, V.K., Novash, V.I., Ovsyannikov, A.A., Radyuk, L.I., Romanyuk, F.A., Semenov, V.N., Tishechkin, A.A., Shevtsov, E.I. Protection of synchronous generator using a microcomputer 4—40232
Aleksandrov, I.V., Zhabotinskii, M.E., Shushpanov, O.E. Physical model for estimating the lifetime of graded-index fiber light pipes 4—37139
Aleksandrov, Yu.N. *see* Tovarnitskii, A.V. 4—43031, 4—43944
Aleksanyan, A.A., Galakhov, V.A., Nikitin, K.K. The spectrum of signals and noise in the case of polyharmonic modulation 4—37828
Aleksanyan, A.S., Nalbandyan, N.A., Petrosyan, A.Zh., Pikhtelev, R.N. Laser source of light pulses for calibrating multichannel systems with photographic recording 4—39495
Alekseev, A.G., Drozdov, V.I., Konovalov, S.A., Kukhtevich, V.I., Trubnikov, A.I. Application of a current integrator with a bipolar transfer function to measure laser energy 4—55715
Alekseev, E.I., Bazarov, E.N., Kurbatov, A.M. Fiber depolarizer for monochromatic light 4—42394
Alekseev, G.S., Grunin, A.V., Tikhonov, A.I., Donskoi, E.N., Ioilev, G.F., Kudryavtsev, Yu.G., Smirnov, V.P. Characteristics of a detector with a dielectric scatterer for the registration of pulsed gamma radiation 4—49077
Alekseev, I.A., Baranov, G.A., Zinchenko, A.K., Karasev, B.G., Kurunov, R.F., Ratkevich, V.K., Smirnov, B.G. Temperature and flow-velocity distributions of the gas in a self-sustained transverse discharge 4—42560
Alekseev, V.A., Basov, N.G., Gubin, M.A., Nikitin, V.V., Onishchenko, N.S. Maximum resolving power of laser spectroscopy with use of frequency resonances 4—37513
Alekseev, V.G. Some aspects of estimation of the bispectral density of a stationary stochastic process 4—43350
Alekseev-Popov, A.V., Knyaz'kov, A.V., Saikin, A.S. Recording volume amplitude phase holograms in a lead-lanthanum zirconate-titanate ceramic 4—59649

Alekseeva, L.L., Gavrilov, D.N., Tuchin, V.V. Spectroscopy of the 00^01 upper laser level of the CO_2 molecule based on the measurement of intensity modulation of 4.3-μm spontaneous emission 4—42541
Aleksoff, C. *see* Cindrich, I. 4—60277
Aleksoff, C.C. *see* Tai, A.M. 4—53789
Aleshchenko, O.M., Barakh, M.Ya., Gatkin, N.G., Gorban', I.I. Spectral methods of spatial processing of information 4—31978
Aleskerov, F.T. *see* Aizerman, M.A. 4—40908
Alessandria, F. *see* Acerbi, E. 4—33580
Alessandroni, V. The use of gate arrays in design with the techniques and structures of the layout. II 4—51117
Alessandroni, V. Technological evolution in education 4—57720
Alessi, J. *see* Sluyters, Th. 4—61622, 4—61659
Alessi, J.G. Ionization of polarized hydrogen atoms 4—61660
Alessi, R.V., Hudson, L.R. Design of a custom IC for a disc camera 4—59021
Alewine, N.J., Floyd, R.E., Lisanke, M., Stermer, T.W. Stepper motor control card 4—57291
Alexa, D. Unbalanced impulse-commutated controlled rectifiers with no request of reactive power from the power supply network 4—57166
Alexander, A.D., Aranguren, R., Bolton, W.D., Voss, A.R., Walsh, T.J., Weidendorf, J. Physical and electrostatic discharge protection package [for electronic circuit cards] 4—35313
Alexander, C.K. *see* Makki, R.Z. 4—58273
Alexander, E.M., Gammon, R.W. The Fabry-Perot etalon as an RF frequency channelizer 4—52756
Alexander, E.M., Spezio, A.E. New method of coherent frequency channelization 4—43415
Alexander, E.M. *see* Tiger, B. 4—48045
Alexander, G.W., Urbanek, J. Interruption of asymmetrical fault current with a medium voltage switchgear breaker 4—50007
Alexander, H.C. *see* Watts, K.C. 4—34482
Alexander, I., Cooper-Reade, M., Leary, J., Longley, J.I.H. Early operational experience of Britain's first all-electric hospital 4—57567
Alexander, K. *see* Jones, R.H. 4—62214
Alexander, M., Blanchard, D., Abramczyk, R. Depletion-mode MOSFETs open a channel into power switching 4—52096
Alexander, M. *see* Lu, S. 4—47233
Alexander, N.T. *see* Reedy, E.K. 4—44167
Alexander, P.E. Thermal classification magnet wire in NEMA MW-1000 4—36104
Alexander, R.W, Svensson, J.B. Installing 500 kV gas insulated substations 4—45569
Alexander, S.T., Rajala, S.A. Optimal gain derivation for the LMS algorithm using a visual fidelity criterion 4—47903
Alexander, S.T., Rajala, S.A. Bandwidth reduction and image distortion characteristics of the LMS image compression algorithm 4—60263
Alexander, S.T. *see* Parker, A. 4—53487
Alexander, W.E. Initial condition transient suppression for two dimensional recursive digital filters 4—53738
Alexander, W.E. *see* Agrawal, D.P. 4—60473
Alexanderson, E.F.W. Real-time digital spectrograph displays speech in B&W or color 4—43252
Alexandre, A., Saulnier, J.B., Schmidt, H.P., Bouchez, J.P. Integration of mathematical models: experience of First Spacelab Mission 4—44832
Alexandridis, M.G. *see* Kleinman, D.L. 4—34085
Alexandridis, N. *see* Dimitriadis, B. 4—53792
Alexandrou, D. *see* Hodgkiss, W.S. 4—53587, 4—60107
Alexandrovitz, A., Nativ, M. Frequency behaviour of the Israeli power system after a sudden loss of generation 4—39821
Alexandrovitz, A., Yair, A., Epstein, E. Analysis of a static VAR compensator with optimal energy storage element 4—40311
Alexandrovitz, A., Yair, A., Epstein, E. Investigation of a switching VAR compensator 4—40339
Alexeff, I., Dyer, F. The orbitron maser 4—37254
Alexopoulos, N.G., Brockman C.L., Jr. Asymptotic theory of light scattering from inhomogeneous particles 4—59755
Alfeev, V.N., Gristenko, N.I. Quasi-two-dimensional superconducting weak-coupled junctions on a semiconductor surface with highly-doped surfaces 4—37060
Alferaru, A., Simionescu, M., Seucan, A., Alferaru, I. A model of a portable styloscope 4—48962
Alferaru, I. *see* Alferaru, A. 4—48962
Alferness, R.C., Buhl, L.L. Low-cross-talk waveguide polarization multiplexer/demultiplexer for λ=1.32 μm 4—31172
Alferness, R.C., Divino, M.D. Efficient fibre to *X*-cut Ti:$LiNbO_3$ waveguide coupling for λ=1.32 μm 4—42348
Alferness, R.C., Korotky, S.K., Buhl, L.L., Divino, M.D. High-speed low-loss low-drive-power travelling-wave optical modulator for λ=1.32 μm 4—37162
Alferness, R.C., Korotky, S.K., Marcatili, E.A.J. Velocity-matching techniques for integrated optic traveling wave switch/modulators 4—37171
Alferness, R.C. *see* Korotky, S.K. 4—37182
Alferov, G.N., Donin, V.I., Telegin, G.G. Experiments in the design of a high-power dye laser 4—37332
Alferov, Zh.I., Arsent'ev, I.N., Vavilova, L.S., Garbuzov, D.Z., Tulashvili, E.V. Low-threshold pulsed and CW InGaAsP/InGaP/GaAs double-heterojunction lasers emitting visible radiation in the 0.73-0.79 μ range (T=300K, I_{th}=3.5-1.3 kA/cm^2) 4—47471
Alferov, Zh.I. *see* Abakumov, V.N. 4—46919
Alfimova, N.V., Kuritsyn, A.M., Oskolkov, I.N., Pokhitonov, Yu.P. Lighting equipment for special types of film shooting 4—35044
Alfrey, A. *see* Jansen, M. 4—31357
Algar, J., Clayton, R. Electronics in the GEC Hirst Research Centre—the first sixty years 4—57890
Algazi, V.R. *see* Hentea, T.A. 4—60180
Algazi, V.R. *see* Kelly, P.L. 4—60262
Algazi, V.R. *see* Ready, M.J. 4—53737
Algoet, P., Cover, T. An AEP for the market 4—43050
Ali, A.A. Repeated convolutions of Butterworth-filtered spectra 4—47830
Ali, K.F. *see* Fawzi, T.H. 4—31589
Ali, S.S. *see* Brown, M.K. 4—37891, 4—53540
Alia, G., Barsi, F., Martinelli, E. A fast VLSI conversion between binary and residue systems 4—35582
Alia, G., Barsi, F., Martinelli, E. A fast near optimum VLSI implementation of FFT using residue number systems 4—51280
Aliaga-Zegarra, A. *see* Zocholl, S.E. 4—57014
Aliev, D.F., Bairamov, G.M. Smectic liquid crystals in color image displays 4—37178
Aliev, I.M., Medzhidova, V.K., Kasimov, F.D., Ismailov, T.K., Gadzhiev, N.D. Planar silicon Hall transducer used as a microswitch 4—30583
Aliev, S.A. *see* Godzhaev, E.M. 4—30374
Aliev, T.M., Shekikhanov, A.M. Method of iterative conversion from the parameters of random analog signals to a pulse frequency 4—33220
Aliev, V.A. *see* Abdullaeva, S.G. 4—31218
Alieva, A.P. *see* Abdulaev, A.A. 4—51804
Alieva, Kh.O. *see* Amirkhanov, Kh.I. 4—58740
Alievskii, B.L. Principles of a nonlinear unified theory of a DC unipolar generator 4—40266
Alievskii, B.L. Equations for the commutation process of superconducting DC machines 4—49903
Alievskii, B.L., Oktyabr'skii, A.M., Sherstyuk, A.G. Physical modeling of unipolar electric machines with superconducting and cryoresistive inductors 4—62547
Alikaanyan, K.A. Improvement of methods for determining mechanical vibrations at the design stage of low-power induction motors 4—62525
Alimbek, B.B., Babenko, A.E., Kulakova, L.P. Spectral analysis of spin-echo signals [NMR studies of ferromagnetics] 4—52449
Alimenti, O., Desages, A. Using multiprocessor techniques to produce digital filters 4—41501
Aliotta, C.F., Constantino, A.J., Via, G. Holder for automatic alignment of large wafers in a scanning electron microscope 4—40845
Alipov, N.V., Senchenko, N.I., Yakushev, Yu.N. Passively-sequential algorithms for the functioning of one-parameter compensating devices 4—50903
Alisheva, N.P. *see* Sushkova, I.T. 4—30869
Alkhutov, N.A. *see* Sarkisova, A.G. 4—61175
Allakhverdiev, A.M., Andreev, V.M., Grekhov, I.V., Kostina, L.S., Larionov, V.R., Rumyantsev, V.D., Shamukhamedov, Sh.Sh. Cascade Si-AlGaAs solar cells 4—50067
Allam, M.F. Fast exact state estimation algorithm based on quadratic equations using sparse matrix inversion 4—45060
Allan, D.W. National and international time and frequency comparisons 4—39330
Allan, G.R. *see* Prettl, W. 4—59310
Allan, J. Rheostatic stabilisation of a chopper-controlled brake for traction drives 4—62749
Allan, R. Small-system PBX integrates voice and data using two buses 4—38414
Allan, R. LANs stake their claims and opt for coexistence 4—60503
Allan, R.N., Avouris, N.M., Kozlowski, A., Williams, G.T. Common mode failure analysis in the reliability evaluation of electrical auxiliary systems 4—34070
Allan, R.N., Barazesh, B., Sumar, S.A. Application of graphic/interactive computation in distribution system planning 4—34125
Allan, R.N., Musa, I.G. Modelling and reliability evaluation of generating systems 4—34120
Allan, R.N., Rondiris, I.L., Adraktas, A.N. Reliability of power systems using event tree methods 4—34079
Allan, R.N. *see* Billinton, R. 4—29161
Allan, R.N. *see* Leite da Silva, A.M. 4—56554
Allason, J. Electronic mail 4—48035
Allawadhi, K.L. *see* Shatendra, K. 4—33734
Allebach, J.P. Design of antialiasing patterns for time-sequential sampling of spatiotemporal signals 4—31969
Allebach, J.P. Filtering and correlation of time-sequentially sampled spatiotemporal signals 4—53938
Allebach, J.P. *see* Dalton, J.C. 4—53850
Allebach, J.P. *see* Squires, R.H. 4—59617
Allegre, J., Raffin, M., Lengrand, J.-C. Investigation of freejets issued from small solid-propellant rocket engines 4—44890
Allegro, G., Mazzocato, C., Meazza, G., Virano, A. Method for measuring rotating scanner parameters 4—31426
Allelt, F. Continuous electric furnace for bright annealing of special steel bar and tubular stock 4—57599
Allemand, L.R. *see* Cavan, J.C. 4—42333
Allemann, R.T., Werry, E.V., Fricke, H.D., Bartz, J.A. Operation and testing of a phase change wet/dry cooling system 4—49772
Allemann, R.T. *see* Barnhart, J.S. 4—34399
Allen, D. The user terminal—a mature product? 4—54243
Allen, D.J. Digraphs and fault trees 4—50600
Allen, D.M., Putt, R.A., Barlow, G. Lithium-metal sulfide cell development for satellite batteries 4—40396
Allen, D.M. *see* Marcoux, L. 4—40398
Allen, E. *see* Jervis, B.W. 4—44745
Allen, F.G. *see* Streit, D. 4—50759
Allen, F.G. *see* Streit, D.C. 4—52052
Allen, G. *see* Danbury, T. 4—38292
Allen, G.D. Distribution automation at AEP 4—34189
Allen, G.H. Programming an efficient radix-four FFT algorithm 4—60046
Allen, G.H., Denyer, P.B., Renshaw, D. A bit serial linear array DFT 4—58428
Allen, H.V. *see* Knutti, J.W. 4—61363
Allen, J.C.J., Murray, M.D. Electricity load management in England and Wales 4—34077
Allen, J.P.C., Oughton, G.W., Jr. A new cost effective variable frequency drive for centrifugal loads 4—57432
Allen, L.A. How leaders become managers 4—45900
Allen, M.R. *see* Crane, M.L. 4—61955
Allen, P., Rafat, H., Macaluso, E., Nedungadi, A. AIDE—analog integrated circuit design enhancement program 4—36919
Allen, P.E. A design methodology for CMOS analog integrated circuits 4—36905
Allen, R.B., Breckler, S.J. Human factors of telephone-mediated interactive electronic games 4—43631
Allen, R.J. Yakkety yak. It talks back. [Voice technologies] 4—54110
Allen, S.D., Trigubo, A.B., Liu, Y.-C. Laser chemical vapor deposition using continuous wave and pulsed lasers 4—58050
Allen, S.D. *see* Porteus, J.O. 4—37434
Allen, S.J., Jr. *see* Schlesinger, Z. 4—58779
Allen, Y.K. *see* Mayer, D.C. 4—42164
Allerton, D.J., Batt, D.A., Currie, A.J. A VLSI design language incorporating self-timed concurrent processes 4—30739
Allgaier, E. The real and apparent profit of the German Federal Post Office 4—60378
Allik, J., Mihkla, M., Ross, J. Comment on 'Measurement of pitch in speech: An implementation of Goldstein's theory of pitch perception' (J. Acoust. Soc. Am. 71, 1568, 1982) 4—47800
Alliluev, A.A., Shinkarenko, G.V. Ways of accomplishing switched protection of balanced converters against failures in a rectifier control system 4—49641
Alling, W.R. The integration of microcomputers and controllable output ballasts: a new dimension in lighting control 4—57539
Allington, T.R., Schmidt, H.E., Slack, L.H., Taylor, B.E. A low cost thick film multilayer hybrid system 4—58654
Allison, P. *see* Smith, H.V., Jr. 4—61651
Allison, W.W.M., Brooks, C.B., Shield, P.D., Aguilar-Benitez, M., Willmott, C., Dumarchez, J., Schouten, M. Relativistic charged particle identification with ISIS2 4—61683
Allman, C.E., Khilnani, G. Poison resistant combustible gas sensors 4—55454
Allmon, A.C. *see* Gilje, R.I. 4—39699
Allnutt, J.E. The system implications of 6/4 GHz satellite-to-ground signal depolarization results from the INTELSAT propagation measurement programme 4—59741
Allnutt, J.E. *see* Rogers, D.V. 4—54681
Allocca, L., Iannuzzi, M., La Monaca, A. An X-ray diffractometer for synchrotron radiation 4—33776
Allom, C. Deterring burglars economically 4—45925
Allos, J.E., Saadallah, S., Hasso, E.A. A digital planimeter for industrial applications 4—49008
Allott, D. *see* Cham, W.K. 4—60235
Allred, J.C. *see* Phillips, G.C. 4—39425
Alltop, W.O. Decimations of the Frank-Heimiller sequences 4—53336

Allum, C.J. *see* Quintino, L. 4—45799, 4—50259
Allwood, A.R., Slater, M. Multi-line PABX access to the ISDN 4—60620
Almaini, A.E.A. Sequential systems with a large input redundancy 4—29785
Almasi, G., Kunsch, B. Track etch formation in thin SSNTD in case of variable etch rate ratio 4—55858
Almasi, G., Kunsch, B. Measurement of Rn concentrations and equilibrium factors using CR-39 and LR-115 detectors under different cup geometries 4—56211
Almasi, I., Barsony, I., Berkecz, J. Piezo-resistive silicon pressure sensors 4—48874
Almehed, S. *see* Brand, C. 4—33639
Almeida, A.Traca de *see* Traca de Almeida, A.
Almeida, L.B., Silva, F.M. Variable-frequency synthesis: an improved harmonic coding scheme 4—53557
Almeida do Vale, A. *see* Gouveia, J.B. 4—34081
Almendral, J. *see* Lopez-Bescos, L. 4—49276
Almero, R.A., Kutzner, C., Schetelig, K. Design and construction of the Agus IV power cavern. I. Geotechnical investigations 4—56872
Almond, T. Considerations pertinent to propagation prediction methods applied to airborne microwave equipments 4—31674
Aloisi, P. New technologies in power transistors 4—30608
Alonge, F., Barnao, E., Raimondi, T., Rando, F. Study of the dynamic behaviour of a hypo-hypersynchronous cascade closed-loop control system: mathematical model and digital simulation 4—34982
Alonge, F., Barnao, E., Raimondi, T., Rando, F. Microprocessor-based suboptimal control of converter-fed hypersynchronous cascade drives 4—50145
Alonso, M., Sacedon, J.L., Soria, F. Direct electron beam writing of gallium oxide on GaAs(111) As surfaces 4—51998
Alonso, S.Terol *see* Terol Alonso, S.
Alonso Gracia, V. A laser-based strain gaugemeter 4—33272
Alpen, U.von *see* von Alpen, U.
Alpern, Y., Shappir, J. Hot electron injection from undoped polysilicon floating gate in MOS devices 4—36911
Alpert, G.I., Weems, W.E., Jr. Some users opt to base local net on PBX the 'PC-friendly' network 4—32328
Alpert, S.B. Cool water: first gasification combined-cycle power plant 4—62397
Alping, A., Bentland, B., Eng, S.T. 100 Mbit/s laser diode terminal with optical gain for fibre-optic local area networks 4—60844
Alsbach, W., Gohnai, T., Ohmura, M., Tsuya, N., Toriyama, K., Kobayashi, M., Honda, Y., Shikagawa, N. Analysis of parts and materials for high frequency DC/DC converters 4—34765
Alsbach, W. *see* Tsuya, N. 4—34766
Alsford, J. *see* Paler, K. 4—51668
Alshwaikh, A.A. Condenser-objective single-polepiece magnetic lens 4—41799
Alste, J.A.van *see* van Alste, J.A.
Alstrom, P., Jensen, M.H., Levinsen, M.T. Fractual structure of subharmonic steps in a Josephson junction: an analog computer calculation 4—52506
Alsup, J.M. High resolution techniques for two-dimensional estimation of angle-of-arrival for planar arrays 4—60130
Altamirano, J. *see* Lferde, M. 4—55940
Altarelli, M. *see* Fasolino, A. 4—51845
Altemark, U. *see* Guertler, M.W. 4—39629
Altemark, U.M.F. *see* Guertler, M.W. 4—39598
Altendorf, R. Corrosion of contact materials having a reduced noble metal content 4—50832
Alter, R. How cable changes TV viewing patterns—prospects for advertising 4—55039
Alterkop, B.A. *see* Abramyan, Ye.A. 4—55791
Altes, R.A. Spectrograms and generalized spectrograms for classification of random processes 4—53942
Altgelt, G.M. Optimization of regulating systems with Zener diodes 4—36537
Althoff, F.Dankward *see* Dankward Althoff, F.
Althouse, E. *see* Williams, J.C. 4—54820
Al'tman, A.B., Melashenko, I.P., Bystrova, E.S., Kosarimov, E.N., Brovman, V.G., Peregudova, T.V., Kuznetsov, V.I., Orekhov, A.V. Electrical contact fabricated by rolling from a silver and cadmium oxide composition 4—30148
Altman, F.J. *see* Lang, R.H. 4—32658
Altman, W.P. *see* Gurk, H.M. 4—61917
Altmann, G., Martin, K., Pfeiffer, R., Schreyer, M. Combustion behaviour of cast-resin insulated, dry transformers 4—45483
Altmann, G., Pfeiffer, R. Fire protection aspects of transformers in electrical plants 4—57132
Altmann, J., Reitbock, H. A rapid correlation method for recognising patterns which are invariant with respect to their size, rotation and translation 4—38086
Altmann, O., Lembke, B. X-ray testing of fiber composite plastics 4—50851
Altmann, O., Winter, I. Nondestructive testing of fiber reinforced plastics with the acoustic flaw detector (AFD) 4—41125
Altmann, S., Heide, K. Prognostic safety evaluation of cable plants 4—35245
Altmeyer, P. The experience of a distribution center making use of management of low-voltage works 4—45099
Alton, G.D. *see* Jones, C.M. 4—33558
Al'tov, V.A., Kopchikov, A.N. Influence of surface resistance on the characteristics of a composite superconductor 4—59158
Altseimer, J.H., Nochumson, D.H., Frank, J.A. Fuel cell propulsion systems for large vehicles—buses, freight locomotives, and marinecraft 4—40570
Altseimer, J.H. *see* Frank, J.A. 4—40569
Altshuler, E.E. The effects of a low-altitude nuclear burst on millimeter wave propagation 4—31663
Altshuler, G.B., Bakhanov, V.A., Dulneva, E.G., Meshkovskii, I.K. Optical characteristics of active elements made of quartz microporous glass 4—42323
Al'tshuler, G.B., Isyanova, E.D., Karasev, V.B., Krylov, K.I., Okishev, A.V. Amplification of picosecond pulses in a synchronously pumped dye laser 4—31347
Al'tshuler, G.B., Karasev, V.B., Kozlov, S.A., Ovchinnikov, A.V. Negative nonlinearity of the refractive index of dielectrics with impurity ions 4—42717
Altson, J. *see* Cline, C.E. 4—54233
Altukhov, A.S. *see* Demin, E.A. 4—33274
Altukhov, I.V., Kagan, M.S., Kalashnikov, S.G., Kukushkin, V.V., Lukash, V.S., Solyakov, V.N. Self-excited oscillations in semiconductor ring structures 4—36357
Altuzarra, A.Cerdeira *see* Cerdeira Altuzarra, A.
Alvahydo, M.E., Pavani, A.M.B., Szczupak, J. Synthesis of recursive digital filters using time-domain techniques 4—35977
Alvarado, F.L., Enns, M.K., Tinney, W.F. Sparsity enhancement in mutually coupled networks 4—56553
Al'vares, D.Kh., Gremyakov, A.A., Stroev, V.A. Cost-effectiveness comparisons between power networks, taking voltage conditions into consideration 4—56446
Alvarez, A. *see* Grant, P.M. 4—51400
Alvarez, A.R., Pintchovski, F. The elimination of devitrification defects in antimony buried-layer diffusions 4—52273
Alvarez, A.R., Roop, R.M., Ray, K.I., Gettemeyer, G.R. Lateral DMOS transistor optimised for high voltage BIMOS applications 4—36745
Alvarez, A.R. *see* Lytle, S. 4—58987
Alvarez, C. *see* Albertos, P. 4—39834, 4—56395
Alvarez, F., Chambouleyron, I. Photoelectronic properties of amorphous silicon nitride compounds 4—59321
Alvarez, F.P., Elliott, D.J., Sandford, H.F., Legenza, M.W. Improved Novolak-based photoresist system for very large scale integration (VLSI) lithography 4—36676
Alvarez, I., Morales, A., de Urquijo, J., Cisneros, C. Interference effects in negative ion formation 4—44677
Alvarez, M. *see* Torrado, E. 4—49280
Alvarez, W.T. *see* Harnish, L.O. 4—32650
Alvarez Dominguez, J.L. New trends in switched-power supply design 4—58152
Alvarez Ovide, B., Diaz, S.B. Practical method for calculating the thermal or driving point of lines: grounding applications 4—50449
Alvarez-Icaza, L. *see* Canales-Ruiz, R. 4—40282
Alvensleben, L.V. *see* Zhu, F. 4—35530
Alves, M.A.F. *see* de Lima, E.P. 4—33745
Alves, R.V., Christol, J., Sun, M., Wickersheim, K.A. Fluoroptic thermometry: temperature sensing using optical fibers 4—61575
Alwakeel, S.S. *see* Lusignan, B.B. 4—54558
Aly, S.H. *see* Cadieu, F.J. 4—30964
Alyavina, N.I., Berezina, L.N., Karavaev, G.V., Rusakova, G.I., Sinitsyn, G.F., Sinyukov, V.V., Sobolevskaya, L.N. The effect of the tungsten wire diameter on the incandescent lamp parameters 4—50196
Alymov, V.N. *see* Zakhar'yashchev, L.I. 4—30160
Alzetta, G., Villa, G., Battaglia, S. Measurement of magnetic susceptibilities of minerals and rocks by a simple induction device 4—33968
Alzieu, J., Robert, J. Cycle life of stressed lead-acid batteries 4—62687
Amadesi, P., Mora, P.G., Pattini, F. Nonlinearity effects in a 16 QAM system 4—32631
Amadesi, P., Mora, P.G., Pattini, F. Including a nonlinear amplifier and a predistorter in a bandlimited 16 QAM system 4—32667
Amado, P. High-efficiency electric motors. More rational use of energy 4—56993
Amado, P. Analysis of investment in high efficiency motors 4—62481
Amador, R., Lopez, R. Statistical simulation of circuits using interpolation polynomials 4—35581
Amadori, R.A., Corder, O.M., Jr. EMV assessment methodology for Navy guided weapons 4—37646
Amagai, J. *see* Saburi, Y. 4—44198
Amamchyan, S.G. *see* Popov, V.I. 4—34619
Amand, J.V.St. *see* St. Amand, J.V.
Amann, B., Coenning, F. Coder-decoder test station for PCM systems 4—33126
Amano, J., Merchant, P., Koch, T. Arsenic out-diffusion during $TiSi_2$ formation 4—30422
Amano, K. Experimental system for an optical fibre subsea cable 4—32807
Amano, K., Fukata, Y., Ogawa, A. International digital network technology in Japan 4—32738
Amano, M. *see* Kubota, H. 4—45687
Amano, Y., Kuwashima, H., Tanaka, K. Feature of 350 MW steam turbine and generator 4—40087
Amano, Y. *see* Tamura, K. 4—49917
Amantea, R., Davis, C. MDLGRF, a system of programs for computer-aided modeling of semiconductor devices 4—36530
Amari, S. A foundation of information geometry 4—43005
Amari, Y. *see* Terasaka, K. 4—59012
Amatuni, Ts.A., Antipov, Yu.M., Denisov, S.P., Petrukhin, A.I. Simple hodoscope spectrometer for electrons and high-energy photons 4—33768
Amaya, R.A. Distributed control digital switching system in its application to rural networks 4—54562
Amazawa, T., Oikawa, H. Two step deposition method for reducing surface states of Mo gate MOS devices with thin gate oxides 4—41105
Amazawa, T. *see* Ohfuji, S. 4—30570
Ambartsumov, N.E. *see* Storozhuk, Ya.P. 4—40069
Amblard, P., Crastes, M., Rarivomanana, J., Saucier, G. CADOC: a functional specification and simulation tool 4—36762
Amblard, P., Crastes de Paulet, M., Rarivomanana, J., Saucier, G. CADOC: a functional specification and simulation tool for VLSI 4—30734
Ambler, A.P. *see* Varma, P. 4—51250
Ambler, S. A barrage of new services on their way [communications services for businesses] 4—47969
Ambroise, M., Peyronnenc, M. Inter-station clock synchronization for a time division transmission system 4—43572
Ambrosch, H., Bohme, H., Pundt, H. Increasing the reliability of electric energy systems through optimum designing of operating means and plants and precalculating of operating processes 4—39787
Ambrosch, K.E., Clemens, H., Fantner, E.J., Bauer, G., Kriechbaum, M., Kocevar, P., Nicholas, R.J. Structural and electronic properties of $PbTe/Pb_{1-x}Sn_xTe$ superlattices 4—51853
Ambrose, J.R. *see* Mok, T.D. 4—58401
Ambrose, W.W. Ma Bell's capable trials [PBX products from Bell] 4—54506
Ambrosini, M.L., Sacchetti, R. A resolutive method for electrical network with a topological symmetry 4—46279
Ambrosini, R., Caporaloni, M., Tomassetti, G. Transhorizon microwave propagation measurements related to surface meteorological parameters 4—31669
Ambrosio, M. *see* Biagini, M. 4—47384
Ambrosio, R., Brosio, A., Gandini, M., Tofanelli, A. Integrated 80Kbit/s modem for digital subscriber loop 4—32522
Ambrosio, R., Brosio, A., Gandini, M., Tofanelli, A. Integrated 80Kbit/s modem for digital subscriber loop 4—32532
Ambrosy, A., Holdik, K., Scheitler, W., Schulze, H. Thin piezoelectric PVDF-layers as ultrasonic transducers 4—34011
Ambrozy, A., Wollitzer G. Noise investigations on thick film resistors 4—51676
Ambs, P. *see* Gresser, J. 4—60162
Ameen, J.G., Hammer, R.B. Strip process for thermal grease 4—36152
Ameen, M.S. *see* Vitkavage, D.J. 4—46944
Amelichkin, V.N., Artemov, V.V., Veselovskii, V.B., Kudasov, B.G., Kuznetsov, V.O., Kuropatkin, Yu.P., Pavlovskii, A.I., Suvorov, V.N. A medical installation based on an iron-free betatron 4—33868
Amemiya, K. *see* Aoki, T. 4—53161
Amemiya, M. *see* Kuwahara, I. 4—47627
Amemiya, T. *see* Kanno, Y. 4—57274
Amemiya, Y., Uebayashi, S. Distribution of absorbed power inside a sphere simulating the human head in the near field of a $\lambda/2$ dipole antenna 4—49325
Amemiya, Y. *see* Fujiwara, O. 4—41648, 4—49324
Amemiya, Y. *see* Kato, K. 4—47106
Amemiya, Y. *see* Kawakami, T. 4—52063
Amemiya, Y. *see* Terada, N. 4—44777

Amendolia, S.R., Bedeschi, F., Bertolucci, E., Bettoni, D., Bosisio, L., Bottigli, U., Bradaschia, C., Dell'Orso, M., Fidecaro, F., Foa', L., Focardi, E., Giannetti, P., Giorgi, M.A., Marrocchesi, P.S., Menzione, A., Raso, G., Ristori, L., Scribano, A., Stefanini, A., Tenchini, R., Tonelli, G., Triggiani, G., Haller, E.E., Hansen, W.L., Luke, P.N. A 50 microns granularity monolithic Ge target 4—49068

Amer, N.M. *see* Dersch, H. 4—51731

Amer, N.M. *see* Gerlach, R. 4—59553

Amerongen, J.van *see* van Amerongen, J.

Amersfoort, P.W.van *see* van Amersfoort, P.W.

Ames, J.C. *see* Dickens, L.E. 4—58540

Amezqueta, H. *see* Subbarao, W.V. 4—61204

Amherd, N.A. Viewpoints on fusion-fission hybrid systems 4—34328

Amick, J.A. *see* Hunt, L.P. 4—51753

Amimoto, S.T., Whittier, J.S., Whittaker, A., Chase, A., Hofland, R., Jr., Bass, M. Pulsed D_2-F_2 chain-laser damage to coated window and mirror components 4—37438

Amin, M.G., Griffiths, L.J. Lag-invariant adaptive spectrum estimation 4—53731

Amin, M.H.M.El *see* El Amin, M.H.M.

Aminev, A.M., Timofeev, A.L. Device for automated measurement of the dynamic error of analog-to-digital converters 4—33120

Amingual, D. *see* Roussille, R. 4—31227

Aminov, R.Z., Khrustalev, V.A., Doronin, M.S. Choosing the best initial parameters in the peaking cycle for phase-transition thermal accumulators 4—56742

Aminov, R.Z., Khrustalev, V.A., Doronin, M.S., Borisenkov, A.E. Selecting the number of turbosets in high power two circuit units on a nuclear power station equipped with water cooled moderated power reactors 4—45223

Aminov, R.Z., Khrustalev, V.A., Dukhovenskii, A.S., Osadchii, A.I., Krainov, Yu.A. Ensuring the regulating range of high-power pressurized-water reactors in the power systems of the future 4—56774

Aminov, T.G. *see* Indosova, V.M. 4—29447

Amir, A., Boscolo, I., Elias, L. FIR radiation of the UCSB-FEL 4—37269

Amir, A., Elias, L., Gallardo, J. Cylindrical Gaussian eigenmodes of a rectangular waveguide resonator. Three-dimensional numerical calculation of gain per mode 4—47474

Amir, I. *see* Newhouse, V.L. 4—56115

Amirikyan, R.A., Sharabkhanyan, I.I. Analysis of complex system state by division into subsystems 4—44969

Amirkhanov, Kh.I., Magomedov, Ya.B., Alieva, Kh.O., Ismailov, Sh.M. Thermal conductivity of chalcogenide glasses in the system As-Se in the solid and liquid states 4—58740

Amitay, N., Greenstein, L.J. Multipath outage performance of digital radio receivers using finite-tap adaptive equalizers 4—31667

Amitay, N., Greenstein, L.J. Multipath outage performance of digital radio receivers using finite-tap adaptive equalizers 4—54624

Ammon, P. Low-cost CAD for electrotechnology and electronics 4—41684

Amon, S., Furlan, J., Smiole, F. Segment analysis in nonhomogeneous illuminated semiconductor solar cells 4—34911

Amor, B.El Hadj *see* El Hadj Amor, B.

Amoroso, F. Adaptive A/D converter to suppress CW interference in DSPN spread spectrum communications 4—37959

Amos, S.W. *see* Scroggie, M.G. 4—35124

Amott, A. Statistical multiplexers 4—60581

Amoudry, F., Burger, P. Determination of the $^{239}Pu/^{240}Pu$ isotopic ratio by high resolution alpha spectrometry 4—56021

Amram, R.M. Ultrasonic sensors provide quick identification of condenser tube leaks 4—45306

Amrani, Z. *see* Tabak, D. 4—46586

Amrany, D. *see* Eitan, B. 4—46458

Amrany, D. *see* McCreary, J.L. 4—35799

Amrhyn, O.C. The National Electrical Safety Code and the telecommunications industry 4—40810

Amrit Phale, S.S. *see* Arul Raj, I. 4—34871

Amstutz, D. Microelectronics in large household appliances 4—45771

Amstutz, P. *see* Detaint, J. 4—30926

Amyes, T.L. *see* Davies, P.B. 4—59434

An, C. *see* Moochalla, S.S. 4—58498

An Dao Khac *see* Dao Khac An

An Peijian, Liu Shuzhen, Gui Huaigu, Li Qinxue Testing aspheric surfaces with interference type computer-generated holograms 4—47520

An' Tuan Nguen *see* Nguen An' Tuan

An-min Zhu *see* Zhu An-min

Anacona, J.R., Davies, P.B., Ferguson, A.H. Optically pumped FIR laser action in chlorofluoromethane (CH_2ClF) 4—59421

Anada, T. *see* Hsu, J.-P. 4—41169

Anaf, L. *see* Vandendriessche, L. 4—40443

Anafi, D. *see* Oughstun, K.E. 4—37394

Anagnostopoulos, C.N., Nelson, E.T., Lavine, J.P., Wong, K.Y., Nichols, D.N. Latch-up and image crosstalk suppression by internal gettering 4—30766

Anagnostopoulos, C.N., Nelson, E.T., Lavine, J.P., Wong, K.Y., Nichols, D.N. Latch-up and image crosstalk suppression by internal gettering [in CMOS] 4—36831

Anagnostopoulos, C.N., Zeitzoff, P.M., Wong, K.Y., Brandt, B. An isolated vertical n-p-n bipolar transistor in an n-well CMOS process 4—59047

Analouei, A.R., Walton, A.J., Burrow, N.G. The pole-zero locations of trimmed distributed RC active notch filters 4—41472

Anami, K., Yoshimoto, M., Shinohara, H., Tomisawa, O., Nakano, T. Analysis of parasitic resistance effects in MOS LSI 4—47125

Ananasso, F. Easily designing microwave asymmetric two-element directional couplers 4—30073

Ananasso, F. State-of-the-art of the RF realisation of modern microwave PSK and MSK communication systems 4—60670

Anan'ev, A. Yu., Fromzel', V.A. Method for improving the energy parameters of flash-pumped ytterbium-erbium glass lasers 4—37346

Anan'ev, L.L., Bogatskii, M.M., Borisov, D.A., Kantonistov, A.A., Fursei, G.N. Method of investigating field emission in a microwave electric field 4—55654

Anan'ev, Yu.A., Anikichev, S.G. Kinetics of lasers with unstable cavities and short inversion times 4—53028

Anani, A.A. *see* Abernathy, C.R. 4—41073

Anan'in, P.S., Stibunov, V.N. Ionization measurements and investigations of the time-dependent discharge characteristics of a spark chamber 4—33718

Anantha, N.G. Simple method to fabricate polysilicon emitter bipolar devices 4—42038

Anantha, N.G., Bhatia, H.S., Saraf, L.H. Method of making devices with different base widths 4—30529

Ananthakrishnan, R.B., Pomerene, A.T.S., Shareef, I.A. Overlay distortion evaluation of projection printers 4—47087

Anantharaman, T., Annaratone, M., Bisiani, R. A family of custom VLSI circuits for speech recognition 4—53536

Ananthi, S. *see* Padmanabhan, K. 4—51223

Anastasselou, E.G. Computation of the roots of Cauchy type principal value integrals 4—57966

Anastassiou, D. Digital halftoning using biased error diffusion 4—47900

Anastassiou, D., Georgiou, C.J. Real-time Laplacian image edge detector on a single VLSI chip 4—51377

Anastassiou, D. *see* Pennebaker, W.B. 4—32995

Anazawa, N., Aihara, R., Ban, E., Okunuki, M. Ion-optical system for maskless ion implantation with 100 nm resolution 4—36429

Anazawa, T. Editing of digital audio tape 4—33066

Anbarasu, R. *see* Ranganadhachari, M.V.S.S. 4—62609

Anbarasu, R. *see* Ranganadhachari, M.V.S.S. 4—45446

Ancillotti, R., Cassi, C. The influence of sensor and thruster imperfections on the attitude and position of a spacecraft performing a rendezvous 4—44838

Ancin, R. *see* Azpilicueta, J. 4—49277

Anda, F.De *see* De Anda, F.

Andel, J., Netuka, I., Zvara, K. On threshold autoregressive processes 4—40925

Anderegg, P. *see* Apter, R. 4—36122

Anderle, M. *see* Bassi, D. 4—33121

Anders, G.J. Optimal inspection interval for standby equipment with human error considerations 4—57797

Anders, G.J. Inspection frequency and availability of emergency equipment 4—57860

Anders, H., Antonsen, J., Berglund, R.E.S., Chanel, G., Ljuslin, C., Oropesa, J., Sohet, L., Zurbuchen, R. The hardware design of the optical fiducial volume trigger for the rapid cycling bubble chamber of EHS 4—33740

Anders, W., Demmel, F. VHF-UHF coaxial dipole HK 014 for 100 to 1300 MHz 4—37744

Andersen, B.R. The HVDC option [HVDC transmission networks] 4—45074

Andersen, F.A. Voluntary standards by consensus: NCCLS 4—49104

Andersen, J.E. DTL compare circuit 4—29788

Andersen, J.E. Push-pull driver enhancement using collector-to-substrate capacitance 4—35917

Andersen, L. Micro-based heart diagnostics 4—61775

Anderson, A.P. *see* Cudd, P.A. 4—39609

Anderson, B.D.O. *see* Mitra, S.K. 4—35953

Anderson, B.D.O. *see* Tsoi, A.C. 4—47824

Anderson, C.C. *see* Namaste, Y.M.N. 4—58951

Anderson, C.J. Linear Josephson sampler 4—30057

Anderson, C.J. Package test chip 4—50542

Anderson, C.J., Arnett, P.C., Wang, R.H. Josephson package repair 4—52497

Anderson, D. HYDROLAB—a valuable tool for marine research 4—61965

Anderson, D., Curtis, J. Z86C01—a flexible CMOS microcomputer 4—57498

Anderson, D., Lisak, M., Lewin, T. Breakdown in air-filled microwave waveguides during pulsed operation 4—58493

Anderson, D.A. The Hall effect in semiconductor assessment 4—36247

Anderson, D.A. *see* Skolnick, M.S. 4—36263

Anderson, D.F., Arvela, H.K., Breskin, A., Charpak, G. A simple 'vernier' method for improving the accuracy of coordinate read-out in large wire chambers 4—61680

Anderson, F.J., Shaughnessy, W.J. Indexing stepping motors to produce stitch patterns 4—57098

Anderson, G.D., Fields, W.W., Muller, G.F. AC adjustable-speed ID fan retrofit at Minnesota Power Clay Boswell Unit no.4 4—50133

Anderson, J. Display systems for physiological data 4—33798

Anderson, J.B. *see* Mohan, S. 4—53397

Anderson, J.B. *see* Saxena, R.C.P. 4—43172

Anderson, J.B. *see* Sethia, M.L. 4—43150, 4—53373

Anderson, J.C. Deciding to join a small company—the pros and cons 4—50426

Anderson, J.E. *see* Rahman, M.H. 4—32421

Anderson, J.M., Low, J.N., Tollin, P. Microdensitometer control using an Apple microcomputer 4—39009

Anderson, J.R. *see* Venters, R.A. 4—51530

Anderson, J.S.A. *see* Milne, J.A. 4—50371

Anderson, K.D., Richter, J.H., Hitney, H.V. Tropospheric propagation assessment 4—31670

Anderson, K.S. Real time considerations for DFT algorithms 4—53601

Anderson, L., Benetta, R., Berst, J.D., Betev, B., Blaising, J.J., Bordalo, P., Boumediene, A., Cerrito, L., Coc, A., Degre, A., Delcros, Ph., Ereditato, A., Ealciano, S., Freudenreich, K., Froberger, J.P., Gouache, J.C., Gregory, C., Gsponer, A., Guanziroli, M., Gudewicz, P., Hofer, H., Juillot, P., Klein, P., Kluberg, L., Lacourt, A., Lecomte, P., Lecoq, J., Le Coultre, P., Morand, R., Morpurgo, M., Mours, B., Parey, J.Y., Remy, G., Romana, A., Salmeron, R., Strolin, P., Suter, H., Tarnopolsky, G.J., Telegdi, V.L., Varela, J., Viertel, G., Wallace-Hadrill, J., Winter, M. A high-resolution spectrometer for the study of high-mass muon pairs produced by intense hadron beams 4—55989

Anderson, L.K. Optical communication devices and subsystems 4—38653

Anderson, L.L. Recent developments in the use of headwands by the disabled 4—49322

Anderson, L.W. Production of polarized H^- ions using laser optical pumping 4—61657

Anderson, L.W., Kaplan, S.N., Pyle, R.V., Ruby, L., Schlachter, A.S., Stearns, J.W. The production of polarized negative ion beams by 'collisional pumping' 4—61661

Anderson, M.D., Pierrehumbert, J.B., Liberman, M.Y. Synthesis by rule of English intonation patterns 4—53502

Anderson, M.D. *see* Fernandez, S.J. 4—33903

Anderson, M.D. *see* Hsu, W.Y. 4—62179

Anderson, M.K., Lassise, R.M. A comparison of IEMCAP and SEMCAP 4—37621

Anderson, M.K. *see* Osburn, J.D.M. 4—37620

Anderson, M.R. Graduate reentry women in engineering 4—35180

Anderson, N., Arthurs, A.M. The helicity of the electromagnetic field 4—31552

Anderson, O.A. Transverse-field focusing accelerator 4—61607

Anderson, O.A. *see* Matuk, C.A. 4—61667

Anderson, P.M., Goretzki, J.A., Myers, W.V., Sensenbaug, J.D. Flexible file digital voltmeter card 4—55539

Anderson, R. What performance can be expected from low-cost logic analysers? 4—55314

Anderson, R.B., Chesnutt, R.B., Mahanna, J.R. Process for the fabrication of narrow-track flex-file recording heads 4—47187

Anderson, R.E. Radiation-hardened bulk CMOS technology for space and weapon systems 4—36913

Anderson, R.E. The Mobilsat system 4—38536

Anderson, R.E. Satellites meet rural needs 4—38541

Anderson, R.E. Linking design and test 4—52191

Anderson, R.E. *see* Chen, I.M. 4—39660

Anderson, R.F. A method for determining the oxidation state of uranium in natural waters 4—56001

Anderson, R.H., Ross, W.E. Elementary spatial filtering with magneto-optic light modulators 4—42429

Anderson, R.H. *see* Ross, W.E. 4—42428

Anderson, R.J. *see* Asbeck, P.M. 4—29822, 4—42147, 4—51386, 4—59017

Anderson, R.J. *see* Lee, C.P. 4—29987

Anderson, R.J. *see* Lee, S.J. 4—35806

Anderson, R.J. *see* Mendel, C.W. 4—55806

Anderson, R.J. *see* Olsen, J.N. 4—33625

Anderson, R.K. *see* Parker, P.L. 4—61944

Anderson, R.S. *see* Garforth, D.L. 4—32763

Anderson, R.V. An assessment of the status and potential and subsystems for space reactor electric systems 4—40043

Anderson, T., Trump, B. Clocked V-F converter tightens accuracy and raises stability 4—58482

Anderson, T.W. Coaxial socket for lead-free components 4—36120

Anderson, W.A. *see* Thayer, M. 4—45638
Anderson, W.T. Consistency of measurement methods for the mode field results in a single-mode fiber 4—42367
Anderson, W.T., Glodis, P.F. Design diagrams for depressed cladding single-mode fibers 4—38617
Anderson, W.T., Glodis, P.F., Philen, D.L., Schenk, A.A., Bice, C.L. Thermally induced refractive-index changes in a single-mode optical-fiber preform 4—52655
Anderson, W.W. *see* Bucy, J.F. 4—35855
Anderson, W.W. *see* Holck, A.W. 4—54464
Andersson, G. European business satellite—from Sweden 4—60760
Andersson, G. Sweden: action while the committee talks [cable TV] 4—61058
Andersson, G., Atmuri, R., Rosenqvist, R., Torseng, S. Influence of hydro units' generator-to-turbine inertia ratio on damping of subsynchronous oscillations 4—62437
Andersson, H., Bergvik, S. Sealed lead-acid batteries for small telecommunication plants 4—34833
Andersson, J.-O. ISDN transmission field trials 4—43561
Andersson, K.I., Strage, J.W. X.21 short hold mode implementation 4—32193
Andersson, N. *see* Habibollahzadeh, H. 4—34089, 4—34494
Andersson, P., Andersson, T., Lundqvist, S., Eng, S.T. Temporal coherence properties of picosecond pulses generated by GaAlAs semiconductor lasers for directly modulated and frequency stabilized optical communication systems 4—42636
Andersson, P.A. Display units in colour with liquid crystals 4—39242
Andersson, T. *see* Andersson, P. 4—42636
Andler, S. *see* Terry, D.B. 4—54354
Ando, H., Yamauchi, Y., Susa, N. Reach-through type planar InGaAs/InP avalanche photodiode fabricated by continuous vapor phase epitaxy 4—37221
Ando, H. *see* Ohba, S. 4—55274
Ando, K., Yamaguchi, M., Uemura, C. Impurity (Si) concentration effects on radiation-induced deep traps in *n*-InP 4—46814
Ando, K. *see* Domae, Y. 4—34188
Ando, K. *see* Koshizuka, N. 4—59138
Ando, K. *see* Okuda, T. 4—30968
Ando, K. *see* Yamaguchi, M. 4—41838
Ando, K. *see* Yonezu, K. 4—57334
Ando, M. Beam scanning characteristics of reflector antennas with array feeds 4—59846
Ando, M. *see* Spieker, P. 4—56060
Ando, M. *see* Ueno, K. 4—37745
Ando, S., Sekine, S., Izumi, S., Tateno, F., Sone, Y., Konuma, S. A method of recording hologram by means of multiple embossment—a study on application to holographic memory for information retrieval 4—59650
Ando, S. *see* Asai, H. 4—42064
Ando, S. *see* Mori, H. 4—54542
Ando, S. *see* Oe, K. 4—35487
Ando, T., Yamashita, T. Development of automatic measuring system for image pickup tubes 4—41786
Ando, T. *see* Inaba, H. 4—57072
Ando, T. *see* Tada, E. 4—31080
Ando, Y., Kanai, T., Sakai, Y. Degradation characteristics of connector contact systems with gold/tin and gold/silver interfaces 4—58597
Andoh, K. *see* Hosoe, Y. 4—30970
Andor, L., Baltes, H.P., Nathan, A., Schmidt-Weinmar, H.G. Carrier transport in semiconductor magnetic field sensors 4—36532
Andor, L. *see* Baltes, H.P. 4—52046
Andra, W., Danan, H., Ropke, U. Model for perpendicular hysteresis of thin magnetic films 4—36990
Andra, W. *see* Gotz, G. 4—35495
Andrade, A.M. *see* Pereyra, I. 4—57361
Andrade, T. *see* Moghe, S. 4—30105
Andrade, V.H.G. *see* Fonseca, J.R. 4—45160
Andraschko, R. Pressfit-technology—advantages and criterias, to be considered 4—30195
Andre, C. From control to maintenance of fire security systems 4—50444
Andreas, P., Junge, M. Voice input for automobiles using a new method of feature extraction 4—60359
Andreeshchev, E.A., Kilin, S.F., Kovyrzina, K.A., Kushakevich, Yu.P., Rozman, I.M., Shoniya, V.M. Plastic scintillator with short pulse duration 4—33720
Andreev, A.A., Borisenko, N.D., Kovalenko, A.V. Deep impurity in ZnS_xSe_{1-x} crystals 4—30325
Andreev, A.A., Gil'man, B.I., Feoktistov, N.A., Florinskii, V.Yu., Terukov, E.I. Characteristics of the spectral sensitivity of Schottky barriers on hydrated amorphous silicon 4—30366
Andreev, A.A., Golikova, O.A., Karageorgii-Alkalaev, P.M., Leiderman, A.Yu., Mezdrogina, M.M., Rubin, V.S., Feoktistov, N.A. Nature of the dark current in Schottky-barrier structures made of hydrated amorphous silicon 4—51912
Andreev, A.A., Kon'kov, O.I., Tkachenko, B.K., Florinskii, V.Yu. New type of electron transport in amorphous silicon 4—30368
Andreev, A.A. *see* Nasredinov, F.S. 4—30367
Andreev, A.L. Electrooptic sensor for automatic detection of objects 4—33167
Andreev, A.Ya. *see* Pashchenko, V.P. 4—29543
Andreev, E.M., Zagoruiko, V.A., Prokopalo, O.I., Panchenko, E.M. Electrical relaxation in lead-magnoniobate single crystals obtained by the method of mass crystallization 4—41035
Andreev, L.N., Nikiforova, G.L., Okishev, S.G., Perov, I.Yu., Filimonov, A.A. Afocal adapter for laser-emission collimation 4—47495
Andreev, L.V. Performance comparison of uni- and bidirectional local area ring networks 4—48274
Andreev, P.A., Kruzhalov, S.V., Pakhomov, L.N., Petrunkin, V.Yu. Theory of a monochromatic laser with frequency tuning 4—42508
Andreev, R.V., Gulidov, S.S., Papernyi, S.B., Serebryakov, V.A., Tarasov, A.A. Multicolor periodic stimulated-Raman-scattering laser 4—59486
Andreev, V.A. Choosing fuses for expulsion-type fusegear and finding their best field of application as transformer protection 4—45486
Andreev, V.D. *see* Morochko, V.P. 4—62863
Andreev, V.M., Egorov, B.V., Lantratov, V.M., Rumyantsev, V.D., Troshkov, S.I. Solar heterophotocells with increased *p-n* junction depth 4—40445
Andreev, V.M., Ivent'eva, O.O., Myrzin, V.I., Troshkov, S.P. $Al_yGa_{1-y}As_{1-x}Sb_x$ heterojunction photocells 4—45661
Andreev, V.M., Ivent'eva, O.O., Romanova, E.P., Yuferev, V.S. Calculation of the parameters of III-V solar cell cascades 4—57358
Andreev, V.M., Larionov, V.R., Rumyantsev, V.D., Fedorova, O.M., Shamukhamedov, Sh.Sh. *p*AlGaAs-*p*GaAs-*n*GaAs solar cells with efficiencies of 19% at *AM* 0 and 24% at *AM* 1.5 4—62708
Andreev, V.M., Romero, R., Sulima, O.V. An efficient circular contact grid for concentrator solar cells 4—40447
Andreev, V.M., Zadiranov, Yu.M., Korol'kov, V.I., Rozhkov, A.V., Yakovenko, A.A. Investigation of optically coupled transistors 4—31238
Andreev, V.M. *see* Allakhverdiev, A.M. 4—50067
Andreev, V.V. *see* Zaruba, I.I. 4—45783
Andreeva, E.A., Smirnova, S.N., Khutorskaya, O.E. Spectral methods of analyzing electromyograms in diagnosing motor disorders 4—61787
Andreeva, E.P. *see* Mangilev, V.I. 4—39866
Andreeva, N.F., Volokhov, A.A., Spirin, A.A. High-frequency supply circuits for fluorescent lamps 4—35633
Andreeva, O.V. *see* Skhanov, V.I. 4—42744
Andreiev, N. Device technology drives wire, cable and connector packaging 4—29255
Andrenko, D.D., Kryzhanovskii, V.V., Nosich, A.I., Shestopalov, V.P. Experimental investigation of the propagation of electromagnetic waves in a cylindrical slotted line 4—36012
Andreoni, A.M. *see* Rivera, J.F. 4—34019
Andreou, A.G., Westgate, C.R. The magnetotransistor effect 4—58908
Andres, A.L. *see* Wong, R.Y. 4—53602
Andres, F.T., Jr. Switching in a network of networks. II 4—48020
Andres, P. *see* Pons, A. 4—32036
Andresciani, V., Perri, A.G. MIC amplifiers with GaAs transistors 4—58175
Andresen, K., Morche, B., Ritter, R. The reflection grating method and its application to the automatic determination of surface deformations 4—38058
Andress, S.J. *see* Corradi, A.R. 4—30991
Andressen, E.C., Bieniek, K. On the torques and losses of voltage and current-source inverter drives 4—49881
Andrew, A.M. Information transmission in nerves 4—53364
Andrew, D.L. Opportunities for photoelectric beams for indoor and outdoor security applications 4—33322
Andrew, I. An infra-red remote control link 4—60852
Andrew, R. Permanent magnet scanning for E-beam sources 4—55809
Andrew, R. *see* Wautelet, M. 4—30493
Andrews, D.A. *see* Davies, G.J. 4—41063, 4—50758, 4—50763, 4—58031
Andrews, D.A. *see* Houghton, A.J.N. 4—42407
Andrews, D.A. *see* Wake, D. 4—52120
Andrews, F.T., Jr. Switching in a network of networks. I 4—48018
Andrews, J. *see* Mahalingam, M. 4—57848
Andrews, J.H. *see* Marshall, R.E. 4—49459
Andrews, J.R., Bell, B.A., Baldwin, E.E. Reference flat pulse generator 4—39205
Andrews, J.R., DeWitte, G.J. Construction of a broadband universal sampling head 4—39481
Andrews, J.W. Flight testing of TCAS II with subject pilots 4—33939
Andrews, L. Commercial electric vehicle use, results, and opportunities in US fleets 4—40564
Andrews, L. *see* Comerchero, H. 4—49226
Andrews, L.C. *see* Burke, D.D. 4—37974
Andrews, L.L., Schery, S.D., Wilkening, M.H. An electrostatic precipitator for the study of airborne radioactivity 4—49478
Andrews, M.G. *see* Carreras, R.A. 4—61558
Andrews, P.J., Russel, D.E., Younse, J.M. Custom circuits minimize CCD camera power and space requirements 4—61077
Andrews, R. Getting the best from your bleep 4—38463
Andrews, R. Integrating radio paging systems 4—60698
Andrews, R.M., McGregor, A.R., Miller, K.J. Fracture toughness of glacier ice 4—33991
Andrews, W. Clever design yields 7-bit, 20-MHz A-D converter with bulk CMOS process 4—29937
Andreyanov, Yu.P., Minaev, V.P., Semenov, A.V. Electrooptic switch for unpolarized radiation in a laser with intracavity second harmonic generation in crystals exhibiting the aperture effect 4—42682
Andreyevskaya, T.M. *see* Solntsev, V.A. 4—29698
Andriamandroso, D., Demazeau, G., Pouchard, M., Hagenmuller, P. New ferromagnetic materials for magnetic recording: the iron carbonitrides 4—59135
Andrianov, V.A., Smirnov, V.M. Method of calculating refraction corrections in the atmosphere 4—42843
Andrienko, P.D. Design principles for frequency-controlled drives without rotation-frequency feedback 4—34976
Andriesh, A.M., Kulchin, Yu.N., Ponomar, V.V., Smirnova, A.S. Hologram recording and readout in a planar waveguide 4—47525
Andris, K. *see* Maris, O. 4—31090
Andrisano, O. The combined effects of noise and multipath propagation in multilevel PSK radio links 4—48379
Andrisano, O., Corazza, G. Spectra of CPFSK signals with modulation pulse shaping 4—31826
Andriyakhin, V.M. *see* Abil'siitov, G.A. 4—59655
Andriyanov, V.A. *see* Bezumov, S.T. 4—62067
Andrle, Z. ZVE Skoda and nuclear power engineering 4—45238
Andronik, I.K. *see* Mashovets, D.V. 4—30395
Andronov, V.P., Dmitriev, E.I., Shestakov, A.P. Laser radiation wavefront sphericity sensor 4—31438
Andropova, G.A. *see* Tyapkov, V.F. 4—40003
Andruk, V.V. *see* Kaluzhina, S.A. 4—46258
Andrukhiv, M.G., Virt, I.S., Matyushkin, V.P., Tsyutsyura, D.I. Influence of defects in contact regions on current noise in $Cd_xHg_{1-x}Te$ crystals 4—46872
Andrus, J. *see* Hang, K.W. 4—36163
Andrushchenko, S.G. *see* Lobanov, L.M. 4—44621
Andrushchuk, V.V., Petukhov, N.V. Capture band of nonstationary phase system in electrical drive 4—62728
Andruszkiewicz, J., Marszalkiewicz, K. New approach to power problem in thyristor controlled *R-L* series circuits 4—34751
Andry, J.-P. *see* de Passoz, G. 4—32490
Andryushchenko, L.G., Savchenko, N.I. Poor performance by the turbine generator set breaker during transient processes in direct current circuits 4—40211
Anemiya, M. *see* Sueyoshi, T. 4—30946
Anfinogentov, O.N. *see* Becpalov, V.Ya. 4—40252
Ang, P.G.P. *see* Sammells, A.F. 4—45587
Ang, P.H., Morf, M. Concurrent array processor for fast eigenvalue computations 4—60111
Ang Peng-Huat *see* Peng-Huat Ang
Angadi, M.A., Shivaprasad, S.M. A new material for the fabrication of thin film resistors 4—58637
Angel, J.R.P. *see* McGraw, J.T. 4—39072
Angeleri, E., Bambara, M., Pavoni, G. A simple architecture [local area networks] 4—38171
Angeles Grado Caffaro, M., Grado Caffaro, M. A remote controlled infrared receiver for TV 4—54992
Angelini, A.M. System engineering for power dispatching 4—56384
Angelis, J., Scherf, H. Simplified electric drive for passenger cars 4—50147
Angell, J.B. Sensors with on-chip signal processing for long-term stability 4—39164
Angell, J.B. *see* Barth, P.W. 4—61369
Angelo, J.A. *see* Buden, D. 4—40039
Angelone, A.F. *see* Fallon, W.A. 4—43917
Angelone, P.A., Zink, J. Method of removing polysilicon layer for failure analysis without chemical attack of film 4—58869
Angelov, A.D. *see* Boyadzhiev, Ya.S. 4—45988
Angelov, A.K., Bakin, D.V., Zolotov, E.M., Prokhorov, A.M., Shcherbakov, E.A. Investigation of a Bragg modulator with an apodized electrode structure based on $LiTaO_3$:Ag waveguides 4—42385
Angelov, D.D. *see* Psedersky, S.T. 4—29276
Angelov, I.M., Stanchev, I.Kh., Spasov, A.Ya., Urshev, L.K. Field effect transistor amplifier for UHF X-band 4—46620

Angel'skii, A.N., Golubchin, G.S., Postoenko, Yu.K., Barmasov, V.D., Bechasnov, A.M., Zhekanis, G.V. The west sector automatic control system of the circular mirror of the RATAN-600 radio telescope 4—32881

Angelucci, A. *see* Accatino, L. 4—32630, 4—32779

Anger, H.-H., Hohmuth, G. Scratch and crackle noise in record reproduction 4—33045

Angers, D. *see* Delisle, G.Y. 4—61522

Angerstein, J. *see* Wagner, E.E. 4—31442

Angerstein, W. *see* Wolf, M. 4—39554

Angleton, P.A. *see* Slayton, M.H. 4—52338

Angosto, P., Bouesnard, D. Performance measurement of the TRANSPAC network 4—48291

Angspurger, G.L. *see* McKenna, M. 4—33048

Anguita, J., Lora-Tamayo, E. NMOS and CMOS technologies for semicustom ICs 4—42167

Angulo, J.M. *see* Torrealday, J.R. 4—40240

Angulo Usategui, J.M., Echevarria Isuskiza, M. Control by a microprocessor of the step motors used for operating a robot 4—34700

Angulo Usategui, J.M., Echevarria Isuskiza, M. Using a microprocessor to control the step motors employed in robots. II 4—40280

Angus, D. Videotex changes the face of the news that's fit to print 4—43698

Angus, I. Technology drives digital telephony 4—48337

Angus, I. From voice-only to voice/data [PBXs become digital computers] 4—48338

Angus, I. PBXs must provide LAN capability 4—48339

Angus, I. How to choose a telecom consultant 4—60287

Angus, J.E., Schafer, R.E. A demonstration test for high reliability equipment 4—29305

Anidjar, J. *see* Chang, G.K. 4—36116

Anikichev, S.G. *see* Anan'ev, Yu.A. 4—53028

Anikin, N.P. Modernization of the TKh1-60 tachometer equipment 4—33363

Anikin, V.Ya. *see* Luchko, S.V. 4—31813

Anis, H., Morcos, M. Interphase energization transients due to random pole closures 4—34155

Anis, H. *see* El-Sayed, M. 4—34082

Anishchenko, V.A., Astakhov, V.N., Vyalyi, N.G., Pashun, A.D. X-ray conductivity of single crystals of $(CdTe)_x(GaAs)_{1-x}$ solid solutions 4—30381

Anishchenko, V.S., Astakhov, V.V. Strange attractor onset mechanism and structure in an oscillator with inertial nonlinearity. An experimental investigation 4—29699

Anishchenko, V.S., Astakov, V.V., Letchford, T.E., Safonova, M.A. Structure of the quasihyperbolic stochasticity in an internal self-excited oscillator 4—35675

Anishev, E.Yu. *see* Onishchenko, G.B. 4—34979

Anishin, N.S., Tivkov, A.M., Mar'yanenko, V.K. Optimum algorithm for digital circular interpolation 4—50714

Anisimkin, V.I., Gulyaev, Yu.V., Kotelyanskii, I.M. Transducer for surface and surface-skimming bulk acoustic waves 4—56357

Anisimov, A.M., Ogorodnikov, A.P., Ostapenko, V.P., Preslitskii, G.V. Structure of the primary magnetic field in linear induction MHD machines with uneven, linear current load wave 4—62712

Anisimov, O.A. *see* Chernousov, Yu.D. 4—39396

Anisimov, V.I., Dmitrevic, G.D., Pavlov, J.J. Dialog-information measuring complex for statistical modelling of radio-electronic installations (REA) 4—44412

Anisimov, Ye.N., Astashkevich, B.A. Unique features of the minimization of the noise coefficient of mixer 4—51054

Anisimova, E.I. *see* Komarov, A.N. 4—34049

Anjaneyulu, P.B., Prabhu, S.S., Dubey, G.K. Stability analysis, design, and simulation of a closed-loop converter-controlled DC drive 4—50121

Anjard, R.P. The density of platinum and palladium powders for thick film pastes 4—51680

Anjard, R.P., Sr. Solder pastes for microelectronics 4—41722

Anjard, R.P., Sr. New trends in solder paste—for SMD and microelectronics 4—45970

Anjum, M. *see* Shahid, M.A. 4—36395

Anke, D., Bagusat, A. An interference voltage test station with IEC-bus controllers, to work to VDE/CISPR standards 4—33103

Ankiewicz, A., Pask, C. Simple profile optimization methods for multimode fibres 4—31097

Ankiewicz, A. *see* Love, J.D. 4—37104

Ankri, D. *see* Dubon, C. 4—36814

Ankri, D. *see* Palmier, J.F. 4—36322

Anliker, M. *see* Birchler, B. 4—61765

Anmin Jiang *see* Jiang Anmin

Annabi, M. *see* Abdennour, R. 4—49575

Annaratone, M. *see* Anantharaman, T. 4—53536

Anne, A. *see* Nandedkar, S.D. 4—33846

Annegarn, M.J.J.C. *see* Parker, D.W. 4—43477

Annegarn, M.J.J.C. *see* Veendrick, H.J.M. 4—51236

Annestrand, S.A., Hauer, J.F., Miller, B.L. Initial experience with a 30 MJ superconducting magnetic energy storage (SMES) unit designed as a dynamic stabilizer for the Pacific AC intertie 4—40519

Annevelink, J., Dewilde, P., Fokkema, J.T. A hierarchical layout to circuit extractor using a finite state approach 4—29594

Anokhov, S.P., Marusii, T.Ya., Soskin, M.S. Selective properties of small-aperture resonators exhibiting angular dispersion 4—42674

Anora, R.S., Sarma, N.V.G. A new design for a millimetre wave (W-band) Gunn oscillator using circular waveguide 4—58194

Ansari, A.M., Agrawal, S.S. Control methods for acoustical measurements using a sound spectrograph 4—61599

Ansari, H. *see* Hu, J.S. 4—43414

Ansari, S. *see* Jain, A.K. 4—37986, 4—53926

Ansbacher, W., Pinnington, E.H. A modified Doppler-shift technique for fast ion velocity measurements 4—49055

Anscomb, C. *see* Beachley, N.H. 4—35007

Ansell, R.J., Rummans, J.A., Jr. Systems assurance in program management 4—57864

Anshakov, O.M., Nalibotskii, B.V., Pertsev, A.N., Kholmetskii, A.L., Chudakov, V.A. Investigation of the mechanism with which output pulses in photomultipliers are formed by gamma quanta of various energies 4—46783

Anshukova, N.V. *see* Levchenko, I.S. 4—37050

Anso, M.Kh. Noise-immune teraohmmeter 4—48936

Anson, P. ERS-1: its payload and potential 4—54690

Anson, P., Crompton, E.K. The technical and economic considerations of bringing satellite communications to small mobile users 4—44040

Antablyan, O.G. *see* Akopov, R.A. 4—51699

Antar, Y.M.M. *see* Hendry, A. 4—42853, 4—49460

Antcliff, R.R., Hillard, M.E., Jarrett, O., Jr. Intensified silicon photodiode array detector linearity: application to coherent antiStokes Raman spectroscopy 4—52784

Antezak, J., Snell, E. A scanning interface for powered mobility and communication 4—56171

Anthony, B. Band-aid repairs on the road (or how to eliminate major audio surgery) [sound systems maintenance] 4—38892

Anthony, E.J., Cadman, M.H. The economics of CHP and district heating in the UK 4—34440

Anthony, P.J. *see* Schwartz, B. 4—51780

Anthony, P.J. *see* Swaminathan, V. 4—31372

Anthony, T.C. *see* Bube, R.H. 4—41835

Anthony, T.R. Grain-driven zone melting 4—50741

Antic, Z., Lugaric, B., Vukovic, R. ETC 960—software aspects of switching control 4—48326

Antipenko, B.M., Mak, A.A., Raba, O.B., Sukhareva, L.K., Uvarova, T.V. 2-μm-range rare earth laser 4—37348

Antipenko, B.M., Raba, O.B., Seiranyan, K.B., Sukhareva, L.K. Quasi-continuous lasing of an $LiYF_4$:Er:Pr crystal at 0.85 μ 4—31362

Antipin, V.E. *see* Nuriev, F.N. 4—50861

Antipov, V.N., Pashkevich, V.I., Timoshinin, A.A. Switching characteristics of DC machines with subdivided sections 4—40271

Antipov, Yu.M., Budanov, N.P., Gorin, Yu.P., Datsko, V.S., Mitsel'makher, G.V., Nozdrin, A.A., Petrukhin, A.I., Smirnova, S.L. Investigation of a section of a large cylindrical scintillation spectrometer 4—61731

Antipov, Yu.M. *see* Amatuni, Ts.A. 4—33768

Antler, M. Fretting corrosion of solder-coated electrical contacts 4—41636

Antler, M. Effect of fretting on the contact resistance of palladium electroplate having a gold flash, cobalt-gold electroplate and DG R156 4—58585

Antognetti, P., De Gloria, A., Ellena, F., Repetto, L. An expert chip planning tool 4—30737

Antolini, R., Disertori, M., Kirchner, M., Mongera, A., Vergara, G., Ianama, G., Guarnerio, M., Furlanello, F. Automated online data analysis during electrophysiological studies in humans 4—49253

Anton, O. Topical testing record discs 4—61142

Antonelli, D.J., Bekey, G.A., Perry, J. Development of a reference EMG signal acquisition system 4—56133

Antonetti, V.W., Grobin, A.W., Jr. Composite foil of indium and silver for mounting circuit module to cold plate 4—30189

Antonevich, V.F. *see* Ermankov, V.S. 4—62257

Antoniadis, D.A. Calculation of threshold voltage in nonuniformly doped MOSFETs 4—36582

Antoniadis, D.A. *see* Robinson, A.L. 4—36879

Antoniak, Z. *see* Chiu, W. 4—39095

Antonin, V. Primary galvanic cell with solid electrolyte 4—62683

Antoniou, A. *see* Diniz, P.S.R. 4—51441

Antonitsch, S. Integrated circuit for a new relay generation 4—41666

Antonitsch, S., Nilius, P. Relays with minimal control circuit power 4—30155

Antoniu, I.S., Antoniu, S.I., Chiuta, I.N. Lissajous figures and reactive power 4—62028

Antoniu, M., Vremera, E. Electrostatic voltmeter with three ranges, switchable in the presence of [applied] voltage 4—33326

Antoniu, S.I. *see* Antoniu, I.S. 4—62028

Antoniucci, P.G. Recent trends and achievements in renewable power for telecommunications 4—56890

Antonov, V.I. *see* Lyamets, Yu.Ya. 4—36113

Antonov, Yu.F., Kazovskii, E.Ya. Energy characteristics of static superconducting converters of topological type 4—34754

Antonov, Yu.F., Mikutskii, A.S. Composite commutation in superconducting cryotronic converters 4—62614

Antonov, Yu.N., Zhmaev, S.S., Rastorguev V.N. The first attempt at electromagnetic core sounding in Western Siberia 4—56279

Antonov, Yu.P., Tkachenko, D.I. The expediency of preventative maintenance of 6 kV ore-extraction plant electrical cable networks 4—50278

Antonsen, J. *see* Anders, H. 4—33740

Antonsen, T.M., Jr. *see* Chang, C.L. 4—30266

Antonsen, T.M., Jr. *see* Ott, E. 4—51692

Antoszkiewicz, K., Szarecki, K. Analysis of stability of PLL frequency multiplier 4—29719

Antoy, S. A recursive algorithm for quick and efficient bit reversing 4—50726

Antreasyan, A., Wang, S.. Temperature dependence of wavelength tuning with semiconductor integrated etalon interference lasers 4—37383

Antreich, K.J. An interactive optimization technique for the nominal design of integrated circuits 4—29586

Antropov, E.T., Efremov, N.M., Karpukhin, V.T., Konev, Yu.B., Chernyshev, S.M., Shal'nova, N.I. Some generation parameters of CO_2 gasdynamic lasers with high-temperature regenerative heat-exchanger heater for the working gas 4—42531

Antropov, G.V. *see* Vasil'ev, A.V. 4—56833

Antuenz, F., Pinol, M., Vives, A., Cadierno, M., Corazon, H.S., Belaza, J., Goicolea de Oro, A. A computer program for the calculation of the chronaxie and rheobase of cardiac pacing 4—49254

Antunes, C.F.R.L. Approximate ballooning techniques 4—29412

Antunes, C.L. How to choose an electric generator set 4—62487

Antyufeev, V.I. *see* Ovcharenko, V.V. 4—42041

Antyukhin, V.M. *see* Feoktistov, V.P. 4—35014

Anufrik, S.S., Zeilikovich, I.S., Kukushkin, V.G., Pul'kin, S.A. Concentration of radiation in the spectrum of a dye laser with an intracavity absorption cell 4—37340

Anukhin, A.I., Zhmurko, A.I., Klyuchnikov, V.P. Solid solutions based on bismuth and antimony chalcogenides 4—58756

Anunciada, A. *see* Fernando, J. 4—35081

Anyiwo, A. *see* Kadekodi, N. 4—55279

Anyutin, A.P. *see* Kinber, B.E. 4—37772

Anzai, A. *see* Sasaki, N. 4—36813

Anzai, H., Moriya, T., Nozaki, K., Ukachi, T., Saito, G. Crystal growth of organic metals 4—29435

Aoe, J. *see* Shimada, R. 4—31875

Aoike, N. *see* Koshimura, Y. 4—62801

Aoki, D.J., Florin, D.H., McKenna, S.D., Welsh, G.R., White, P.E. Digital feature evolution in the 5ESS digital switch 4—32581

Aoki, K., Nishikori, A. An algorithm for constrained load flow 4—45057

Aoki, K., Satoh, T. New algorithms for classic economic load dispatch 4—56454

Aoki, K. *see* Inoue, T. 4—62771

Aoki, K. *see* Saito, N. 4—50821, 4—52771

Aoki, K. *see* Sugai, M. 4—58387

Aoki, K. *see* Takeuchi, S. 4—41324

Aoki, K. *see* Uchida, K. 4—47656

Aoki, K. *see* Yoshidomi, K. 4—42831

Aoki, M., Washiyama, M., Nakamura, H. Solution growth of zinc chalcogenides and their luminescence properties 4—46211

Aoki, M. *see* Hanamura, S. 4—30790

Aoki, S., Miyo, T., Tsuchida, K. Bit error rate portable test set for the TDMA system 4—60744

Aoki, T., Chiba, Y., Miyake, M. Digital local switching system hardware design 4—38399

Aoki, T., Egami, H., Amemiya, K. Color reproduction of PPC color copier 4—53161

Aoki, T., Inafuku, A., Yamaguchi, H. Pincushion distortion correction circuit 4—55593

Aoki, T. *see* Horiguchi, S. 4—43831

Aoki, T. *see* Ishii, Y. 4—36691

Aoki, T. *see* Nakamura, I. 4—61711

Aoki, T. *see* Nomoto, M. 4—39733

Aoki, T. *see* Suzuki, K. 4—55600

Aoki, Y., Toyabe, R., Asai, S. A process variation analysis simulator for MOS LSI 4—52263

Aoki, Y., Watanabe, K., Oyama, T., Satou, N., Miyaoka, S. New optical recording material for data storage 4—52530

Aoki, Y. *see* Iida, H. 4—61687

Aoki, Y. *see* Siuci, A. 4—51453

Aomori, T. *see* Kohashi, T. 4—60361

Aono, K. *see* Hasegawa, K. 4−29816

Aono, Y., Aihara, S., Kaneko, Y. X and Ku-band high power GaAs FETs 4−36057

Aoshima, N. Personal computer based signal compression method applied to the measurement of the sound field in a pipe 4−55194

Aota, T. *see* Kawanishi, H. 4−31377

Aoto, N., Sunouchi, D., Koma, A. Heteroepitaxy onto surfaces with no dangling bonds−heteroepitaxy of selenium on cleaved faces of tellurium 4−50830

Aoum Jin Seob *see* Jin Seob Aoum

Aoyagi, H. *see* Honda, M. 4−42196

Aoyagi, M. *see* Shoji, A. 4−52484

Aoyagi, Y. Solid state laser 4−42599

Aoyagi, Y. *see* Shiokawa, T. 4−36390

Aoyama, J. *see* Ninomiya, K. 4−44843

Aoyama, K.-i. *see* Nakazawa, M. 4−38627

Aoyama, M. *see* Hatanaka, Y. 4−61023

Aoyama, M. *see* Ito, M. 4−54043

Aoyama, M. *see* Maeda, H. 4−29902

Aoyama, M. *see* Tagami, K. 4−30985

Aoyama, T., Miyai, H., Watanabe, T. A tritium survey meter using a windowless air proportional counter 4−39438

Aoyama, T. *see* Koinuma, T. 4−38400

Aoyama, T. *see* Ueda, H. 4−32182

Apai, P. *see* Janossy, M. 4−31316

Apanasevich, P.A., Batishche, S.A., Ganzha, V.A., Grabchikov, A.S., Kamach, Yu.E., Kozlovskii, E.N., Malevich, N.A., Mostovnikov, V.A., Ovchinnikov, V.M., Orlovich, V.A. High-power radiation source tunable in the range 0.72-8 μm 4−59584

Apanasevich, P.A., Karpenko, S.G., Marchevskii, F.N., Orlovich, V.A., Strizhevskii, V.L. Generation of pulses of stimulated Raman radiation within a laser resonator 4−42504

Apanovich, A.A., Parfenov, V.P., Korotkin, P.D. Experience in the introduction of proximate testing of boiler units in the Belglavenergo power system 4−40096

Apel'tsin, V.F., Il'inskii, A.S. Numerical investigation of the interaction between a plane electromagnetic wave and a closed dielectric shield 4−42844

Apenko, V.P., Khodak, I.Ya., Safronova, N.Yu. Algebraic representation of engineering design of automated remote control facilities 4−50479

Apfel, J.H. The distribution and material usage efficiency of evaporation sources 4−35502

Apfel, J.H. The optical model of a trilayer incorporating an island metal film recording layer 4−52522

Apfel, R., Ibrahim, H., Ruebusch, R. Systematic solutions in telecommunication 4−38140

Apitius, P. Full service for the medium-sized firm [Btx] 4−54275

Apker, M. Dynamic-signal analyzers can tune electronic components on the run 4−44402

Aplan, F.F. *see* Warnes, B.M. 4−46841

Apley, W.J., Bird, S.P. Assessment of generic solar thermal systems for large power applications 4−62456

Apollonov, V.V., Akhunov, N., Derzhavin, S.I., Kononov, I.K., Sirotkin, A.A., Firsov, K.N., Yamshchikov, V.A. Carbon dioxide laser with a variable output pulse duration 4−31333

Apollonov, V.V., Bystrov, P.I., Chyotkin, S.A., Goncharov, V.G., Khomich, V.Yu., Prokhorov, A.M. The promising use of some heat carriers in high intensity laser optics 4−37413

Apollonskii, S.M. Calculation of the electromagnetic field of a group of sources 4−62482

Apolonskii, A.A., Donin, V.I. Producing high-power light pulses at high repetition frequency in a mode synchronised argon laser-amplifier system 4−37286

Aponin, G.I., Besshaposhnikov, A.A., Bragina, O.B. Some features of gas streak velocity measurements using a laser anemometer with simultaneous application of electro-optical converters and photoelectric controllers 4−31524

Apostolakis, G.E. *see* Chu, T.L. 4−35333

Apostolico, A., Negro, A. Systolic algorithms for string manipulations 4−41304

Appalaraju, R. DRAMs and EEPROMs offer new applications for μPs 4−46449

Appel, U. *see* Rauner, H. 4−56131

Appell, G.F. *see* Mero, T.N. 4−61946

Appelman, H. *see* Fonstad, C.G. 4−59505

Appenroth, T. *see* Hengstberger, F. 4−61241

Applebaum, S.G. Logic probe 4−29771

Appleby, A. *see* Hochheiser, E. 4−33895

Appleby, M.S. Cellular radio network transmission planning 4−60696

Appleby, R., Cox, A.F.J. Performance modelling of image intensified night vision goggles 4−55252

Applegren, G.H. *see* Loth, R.A. 4−49652

Apresyan, L. Phase conjugation in a nonstationary medium containing large-scale inhomogeneities [EM wave beam reflection] 4−37569

Aprile-Giboni, E., Giboni, K., Lutz, A.-M., Phillips, T., Rubbia, C., Winn, D., Worstell, W., Cline, D., Kalkanis, G., Loveless, R., March, R., Matthews, J., More, A., Morse, R., Gaidos, J., McHenry, R., Negret, J., Palfrey, T., Sembroski, G., Willmann, R., Wilson, C. The HPW proton-decay experiment 4−55812

Aprilesi, G.C., De Cicco, G., Taroni, A. A microprocessor-based, three axes, ultrasonic anemometer 4−61928

Apryatkina, I.B., Korovkin, N.V. Improving the effectiveness of programs for calculation of three dimensional electrostatic fields 4−42761

Apsey, M., Myers, R. Sounds good to me [BASIC VIC-20/C-64 Morse code program] 4−43663

Apte, R.M. *see* Burroughs, G.D. 4−36900

Apter, R., Anderegg, P., Witzig, M. Cord-set with power line filter capabilities 4−36122

Apter, R., Witzig, M. Power-line filters with internationally approved fuses 4−39951

Aquilanti, G., Senis, R. The emergency service water systems of the Alto Lazio Nuclear Power Station 4−45218

Ara, K., Aikawa, H., Endo, Y., Usuki, T., Ueda, K., Ito, K. Characteristics of electromagnetic sensor coils used in the nuclear field 4−55404

Aracil, J. *see* Freire, E. 4−41174

Arahara, K., Morita, M., Hirata, S. Development of superheat-resistant enameled wire 4−36108

Arai, E. Submicron MOS VLSI process technologies 4−35720

Arai, I. *see* Iwasaki, M. 4−39392

Arai, K. *see* Kato, M. 4−54037

Arai, K. *see* Namikawa, H. 4−50808

Arai, K *see* Shimoseko, S. 4−32729

Arai, M. *see* Kato, Y. 4−29825, 4−41440

Arai, M. *see* Shikada, M. 4−54810

Arai, R., Takanami, S. Improved magnetic recording read-back signal by cosine equalization 4−37027

Arai, R. *see* Ishihara, N. 4−55819

Arai, S. *see* Tanbun-Ek, T. 4−31385

Arai, T., Kikuchi, M. High-power room-temperature CO laser 4−59387

Arai, T., Nakagaki, H. Optical pick-up for CD player 4−61141

Arai, T., Obara, M., Fujioka, T. Gas lasers preionized by pulse or CW X-rays 4−37327

Arai, T. *see* Kouguchi, N. 4−44184

Arai, T. *see* Kyuzaki, T. 4−60669

Arai, Y. An automatic public address system using a PARCOR speech synthesizer LSI 4−43280

Arai, Y., Yagi, T., Miyagawa, T. Peak-and-valley impulse excited LPC voice recorder/reproducer 4−53559

Arai, Y. *see* Kouguchi, N. 4−44184

Arainy, A. *see* Janichewskyj, W. 4−32935

Arajs, S. *see* Aidun, R. 4−55584

Arajs, S. *see* Moyer, C. 4−31618

Arakawa, I., Kim, M., Tuzi, Y. Study on the unidirectional vacuum gauge by detecting excited neutrals 4−30237

Arakawa, I., Kim, M., Tuzi, Y. Unidirectional vacuum gauge by means of detecting excited neutrals 4−44643

Arakawa, K., Harashima, H., Miyakawa, H. Recursive ϵ-nonlinear digital filter 4−58458

Arakawa, N. *see* Yamaguchi, T. 4−60089

Arakawa, Y., Kawasaki, Y. Discharge plasma in an inert gas ion thruster 4−56252

Arakawa, Y., Nishioka, M., Miura, N. Use of high magnetic fields to estimate carrier leakage current in GaInAsP-InP double heterostructure lasers 4−52944

Arakawa, Y., Sakaki, H., Nishioka, M. Multidimensional quantum confinement effects in semiconductor lasers 4−42656

Arakelian, A., Agaian, S. On an algorithm of spectral analysis 4−53784

Arakelyan, S.M., Karayan, A.S., Chilingaryan, Yu.S. Dynamics of a nonlinear Fabry-Perot cavity with a nematic liquid crystal 4−47306

Araki, K. *see* Kim, D.I. 4−51516

Araki, M. *see* Fukui, K. 4−54988

Araki, S., Wada, A., Yamauchi, R., Fukuda, O. Fabrication of high-strength long-length fibers 4−52672

Araki, Y. *see* Sekino, S. 4−54135

Araktingi, Y.E., Feinberg, J., Plunkett, M., Roth, G. Thermomechanical stability of printed-circuit board laminates 4−36143

Arambepola, B. A two-dimensional discrete convolution algorithm 4−53634

Aranchuk, L.E., Bogolyubskii, S.L., Vikharev, V.D. Multimodular nitrogen laser for diagnostics of a plasma formed using relativistic electron beam generators 4−42755

Arandelovic, M. *see* Jevtovic, M. 4−60580

Aranguren, R. *see* Alexander, A.D. 4−35313

Araseki, T., Ozawa, K., Ono, S., Ochiai, K. Multi-pulse excited speech coder based on maximum crosscorrelation search algorithm 4−31933

Araseki, T. *see* Tanaka, S. 4−53563

Arat, V., Ranganath, V.R. A high speed 16 bit CMOS multiplier for real time digital signal processing 4−53779

Arata, R. *see* Kikuchi, K. 4−42633

Arato, P., Boc, I., Grof, T. Effect of composition on the loss of nonoriented medium silicon electric steels 4−42228

Araujo, G.L., Luque, A., Sanchez, E., Castano, J. Approximated analytical model for dark and J_{sc}-V_{oc} characteristics of p^+nn^+ solar cells under high injection conditions 4−34907

Araujo, G.L., Sanchez, E., Fernandez, A. Method to experimentally evaluate non-uniform illumination influence on solar cell series resistance measurements 4−34914

Araujo, G.L. *see* Sanchez, E. 4−57359

Aravena, J.L. On feedback free stochastic processes 4−46105

Araya, G. *see* Furuya, G. 4−32526

Arazi, B., Hsieh, J. Efficient way for implementing error correcting codes in identification systems 4−59947

Arbach, G.V., Bindra, P., Rath, D.L. Pyroelectric sensor to determine energy distribution and mode structure of laser radiation 4−33310

Arbatskaya, A.N. Investigation of the angular distribution of stimulated Raman scattering of light 4−37455

Arbel, A., Booz, J., Muller, K.D., Neuhauss, H. Development of a portable microdosimetric radiation protection monitor covering a dynamic range of 120 dB above noise 4−33905

Arbel, A., Bowers, J.E., Lauch, J. Low-noise high-speed optical receiver for fiber optic systems 4−37217

Arbit, I.I. *see* Mel'kanovich, A.F. 4−44497

Arbter, K., Burkhardt, H. A contribution to the application of Fourier descriptors to the position and scale invariant detection of objects 4−32069

Arbuzov, A.F. *see* Komarov, A.N. 4−34049

Arce, G.R., Crinon, R.J. Median filters: analysis for 2 dimensional recursively filtered signals 4−53747

Arce, G.R. *see* Crinon, R.J. 4−41509

Arce, G.R. *see* Dalton, J.C. 4−53850

Arce, G.R. *see* Pearson, R.K. 4−41511

Arce-Medina, E. *see* Felder, R.M. 4−31570

Arch, D.K. *see* Smith, D.L. 4−47323

Archer, J.W. An efficient 200-290-GHz frequency tripler incorporating a novel stripline structure 4−41589

Archer, J.W. A novel quasi-optical frequency multiplier design for millimeter and submillimeter wavelengths 4−41590

Archer, V.D. *see* Ko, P.K. 4−36885

Archer, V.D. *see* Stern, M.B. 4−51898

Archieri, N. 'Italian Echo' view on professionalism and qualification from the sales angle 4−48577

Arciszewski, K. High quality speech synthesiser uses CSVD (continuously variable delta slope variation) 4−31909

Arciszewski, K., Karl, J. Speech output test system. Function and application 4−53457

Arcone, S.A. *see* Delaney, A.J. 4−61893

Arcus, A.A., Hopper, G.S. Shock gauge for chip carriers 4−30688

Ardanuy, P., Rea, J. Degradation asymmetries and recovery of the NIMBUS 7 Earth radiation budget shortwave radiometer 4−56292

Ardemagni, F., Basile, P., Clementi, A. RF subsystems for precision DME 4−38708

Ardire, P., Gorman, R. Testing protocol converters 4−60528

Ardisson, G. *see* Dalmasso, J. 4−39435

Arditty, H.J., Lefevre, H.C. Fiber-optic gyroscopes 4−31163

Arefiev, A., Babaev, A., Bamberger, A., Brundiers, H.-J., Eliseev, G., Fischer, U., Friedrich, D., Galaktionov, Yu., Gorodkov, Yu., Hartung, R., Heck, W., Kamyshkov, Yu., Lubimov, V., Maier, R., Plyaskin, V., Pojidaev, V., Runge, K., Schaile, O., Shevchenko, V., Thomauske, B., Vlasov, M., Weber, Ch. A hydrogen high pressure proportional drift detector 4−55843

Areitio Bertolin, J. Designing counters for hardware and software 4−51155

Arencibia, P.Diaz *see* Diaz Arencibia, P.

Arends, W. Resistor and capacitor selection 4−36083

Arendt, J. *see* Klein, R.D. 4−35161

Arendt, J. *see* Milster, T.D. 4−39543

Arene, E., Baixeras, J. Steady-state photoconductivity and recombination process in sputtered hydrogenated amorphous silicon 4−58746

Arene, E. *see* Longeaud, C. 4−30358

Areny, R.Pallas *see* Pallas Areny, R.

Ares, R. From optical fibre to system. VIII 4−38645

Ares, R.A., Tondi, J.L. From optical fibre to system. IX. Single-mode systems 4−38646

Ares, R.A. *see* Tondi Resta, J.L. 4−44128

Arfin, B. *see* Park, S.V. 4−41767

Argaman, G., Saad, A. Synthesis of wideband lumped planar directional couplers 4−41558

Argan, P., Bloch, A., Colin, G., Tamas, G., Vincent, E. A low-energy photon localization system for a tagged annihilation photon beam 4−33693

Argent, M.G. Bidirectional proportional motor control 4−40361

Argouac'h, J.R. Development of the control-command system for heavy telemanipulation in a radiation environment 4—51295
Argyle, B.E., Terrenzio, E. Magneto-optic observation of Bloch lines 4—30976
Argyle, D.B. *see* Patterson, T.J. 4—55249
Arias, J.E. *see* Hernandez, C. 4—49129
Arias-Al'vares, Kh., Merport, E.I. On using computational programs of electric power loss in a power system 4—39810
Arico, M. *see* Barcellona, M. 4—48805
Aridgides, A., Komo, J.J. Diversity cut-off rate evaluation of the Rician fading channel 4—38439
Aridgides, A. *see* Morgan, D.R. 4—60665
Arieli, R., Simhony, S., Schoenberg, A., Salzman, J., Kapon, E., Katzir, A. Fiber-coupled heterodyne-detection at 10 μm—preliminary experiments 4—37155
Arieli, R. *see* Kapon, E. 4—59208
Arieli, R. *see* Taghizadeh, M.R. 4—37118
Arienti, V.L. *see* Leite da Silva, A.M. 4—56554
Arienzo, M. *see* Chuang, C.T. 4—36545
Arienzo, M. *see* Ricco, B. 4—52070
Arif, Z., Zafar, M.S. Time delay characteristics for semiconductor injection lasers 4—59527
Ariizumi, H. Speech synthesis by articulatory movements 4—53450
Ariizumi, S. *see* Masuoka, F. 4—35818, 4—51232
Ariizumi, T., Ikeda, K., Goto, T. Studies on the characteristics of Nb Josephson junction—effect of substrate bias 4—42301
Arikan, Y. A partial equilibrium energy model for Turkey 4—34325
Arima, H. *see* Hirayama, M. 4—41995
Arimitsu, T., Takada, Y. A microscopic laser theory. II. Numerical calculations 4—52855
Arimoto, H., Takamori, A., Miyauchi, E., Hashimoto, H. Pd-Ni-Si-Be-B Liquid metal ion source for maskless ion implantation 4—30509
Arimoto, S., Yamamoto, H., Ohno, H., Hasegawa, H. a-Si:H MIS position sensitive detectors 4—44518
Arimoto, S. *see* Kikuchi, A. 4—47821
Arinkin, A.V. *see* Boiko, B.T. 4—51770
Arino, N. *see* Ohsawa, Y. 4—53916
Arioli, M., Laratta, A., Menchi, O. Numerical computation of the projection of a point onto a polyhedron 4— 50688
Ariskin, N.I. *see* Avramenko, A.E. 4—48787
Aristarkhov, G.M., Vershinin, Yu.P. Analysis of filters constructed from coupled lines with unequal phase velocities 4—46551
Aristov, E.A., Bakhshi-Zade, V.A. Efficiency calculation for a cylindrical proportional X-ray counter 4—56065
Aristov, E.A., Bakhshi-Zade, V.A., Sichkar, G.A. Effect of nonuniformity of the radionuclide in a source on the efficiency with which X-rays are recorded by a proportional counter 4—33725
Ariswa, S., Nakagawa, M., Sasase, I. Improvement of signal-to-noise ratio by nonlinear cancellation in the presence of large interference with largely varying envelope 4—31707
Arita, H. *see* Fukui, K. 4—54988
Arita, S. *see* Sato, K. 4—52137
Arithoppah, S. *see* Fleming, P.D. 4—62475
Ariyoshi, H. *see* Higashiyama, Y. 4—46124
Arjavalingam, G. *see* Hasnain, G. 4—36010, 4—59827
Arjmand, M.M. *see* Gass, W.K. 4—53561
Arjona, F. *see* Escosura, L. 4—36277
Arjona, F. *see* Garcia-Camarero, E. 4—62706
Arkadan, A.A. *see* Demerdash, N.A. 4—57064
Arkhangel'skii, V.B., Glagolev, S.F., Panov, V.A., Simonyants, N.A., Chervinskii, M.M. Automated standard measurement facilities of magnetic and magnetooptic film parameters 4—33444
Arkhangelsky, V.V. *see* Akatov, Yu.A. 4—61841
Arkhipenko, N.A., Nikitin, M.M. Device for transferring industrial robots using linear asynchronous motors 4—45464
Arkhipov, A.N., Bakhvalov, Yu.A., Kolomeitsev, L.F. Parameters of reduced circuits for the analysis of eddy currents in magnetic cores of like-pole induction generators 4—62524
Arkhipov, A.N., Evsin, N.F., Kolomeitsev, L.F., Petrakov, M.D. Analysis of EM processes in a 3-phase inductor generator with a classical toothed zone 4—49854
Arkhipov, A.N., Evsin, N.F., Koloneitsev, L.F., Petrakov, M.D. Electromagnetic phenomena in a 3-phase synchronous turbogenerator supplying a rectifying load 4—62509
Arlen, G.H. Videotex battlefield 4—43711
Arlen, G.H. The end of the beginning. What will we do with what we learned on the trial trail? [videotex, teletext] 4—48092
Arlen, G.H. The becoming of videotex 4—54219
Arlt, G. *see* Kliem, H. 4—30459
Armaille, J. Couplers for fibre optics 4—47256
Armand, M., Bui, D.V., Chevrier, J., Linh, N.T. InP field effect transistor for microwave power amplification 4—41600
Armand, M., Bui, D.V., Chevrier, J., Linh, N.T. High power microwave amplification with InP MISFET's 4—58544
Armand, N.A. *see* Yakovlev, E.N. 4—55743
Armandillo, E., Lopatriello, P.V.M. Single-mode, tunable operation of a XeF excimer laser employing an original interferometer 4—53026
Armanini, D., Brandolini, A., Pescu, G. Procedures for comparing programmable digital measuring apparata and traditional ones 4—48691
Armbrecht, U. Planning and installation of an EMS 12000 communications system for Siemens AG, Munich Hofmannstrasse 4—54552
Armbruster, H. Information retrieval over wide-band networks 4—43590
Armbruster, H. Btx with television quality: wide-band for everybody 4—60454
Armencolu, N., Stein, M., Valcereanu, G. On the dimensioning of the power installed in the power system with consideration of the power failure rates and time 4—56390
Armes, G. The global frequency spectrum crisis issues and answers [satellite communications] 4—44063
Armes, G. The key to technology transfer [satellite communications] 4—60773
Armgarth, M. *see* Dobos, K. 4—39152
Armgarth, M. *see* Nylander, C. 4—58807
Armington, A.F., Larkin, J.J., O'Conner, J.J., Cormier, J.E., Horrigan , J.A. Effect of seed treatment on quartz dislocations 4—29470
Armistead, C.J. *see* Skolnick, M.S. 4—36263
Armistead, J.M. *see* McMain, A.T., Jr. 4—50265
Armitage, D.W., Pethig, R. Computer simulations as an aid to the treatment of tumours using radiofrequency induced hyperthermia 4—39605
Armitage, D.W., Pethig, R. Computer modelling of EM field distributions in lossy dielectrics: clinical applications 4—59694
Armitage, J.W. *see* Jundanian, R.H. 4—44713
Armley, J., Jackson, P. Macau—the digital approach 4—54080
Armolavicius, R., Robinson, B. Traffic standards manage the cost of quality 4—48013
Armor, A.F., Lamont, J.W., Crim, H.G., Jr. Power plant performance monitoring and instrumentation system 4—49736
Armstrong, A. Theoretical programme packaging: are computer predictions valid [cable TV] 4—55034
Armstrong, A., Benveniste, V., Farley, M., Ryding, G. Automatic wafer handling for a mechanically scanned ion implanter 4—36450
Armstrong, B.A., McMahon, G.W. Discussion of the finite-element modelling and performance of ring-shell projectors [sonar] 4—38692
Armstrong, J. Planning maintenance of building services 4—45926
Armstrong, J. *see* Rinard, G. 4—53181
Armstrong, J.R.C., Garrad, A.D., Hassan, U., Simpson, P.B. The Orkney project [wind turbine project] 4—34541
Armstrong, R. *see* Page, R.H. 4—40750
Armstrong, R.D., Beck, P.O., Kung, M.T. Algorithm 615: the best subset of parameters in least absolute value regression 4—46110
Arnal, Y., Pelletier, J., Pomot, C., Petit, B., Durandet, A. Plasma etching in magnetic multipole microwave discharge 4—51996
Arnal, Y. *see* Bayes de Luna, A. 4—49248
Arnaud, C., Auclair, H., Roy, D. Analysis of insulating material subjected to the action of water in the vicinity of the point of breakdown 4—56625
Arnaud, G. *see* Chaput, E. 4—57348
Arnaud, L., Jouve, H. Dependence on drive fields of bubbles wall state conversion 4—30978
Arnaud, T. *see* Chilo, J. 4—35749
Arndt, E. *see* Baust, E. 4—45257
Arndt, F., Tucholke, U., Wriedt, T. Broadband dual-depth E-plane corrugated square waveguide polariser 4—41551
Arndt, G. *see* Kratz, G. 4—43866
Arndt, G.D., Suddath, J.H., Soderland, C.I., Farmer, L. Bullet signature identification using time domain computer techniques 4—38096
Arndt, H. Numerical solution of retarded initial value problems: local and global error and step-size control 4—41022
Arndt, R.A. *see* Meulenberg, A. 4—45656
Arndt, S.A. *see* Miller, D.W. 4—34283
Arndt, S.A. *see* Talnagi, J.W. 4—34335
Arneaud-Clarke, J. The development of small community hydropower in the Morobe province of Papua New Guinea 4—34476
Arneja, A. *see* Cross, W.G. 4—55877
Arnett, P.C. Power system design in a Josephson package 4—29809
Arnett, P.C., Flint, E.B., Grebe, K.R. Removable test wiring [for cryogenic IC structures] 4—52205
Arnett, P.C., Heidel, D.F., Herrell, D.J. Shorting chip [superconducting circuits] 4—52500
Arnett, P.C. *see* Anderson, C.J. 4—52497
Arnett, W. Messing with Heath [HW-101 remote VFO design] 4—54621
Arnold, C.P. Transient field flux in a synchronous machine 4—34607
Arnold, D., Fischer, R., Klem, J., Ponse, F., Morkoc, H. Reduction of backgating in GaAs/AlGaAs MESFETs by optimisation of active-layer/buffer-layer interface 4—36575
Arnold, D., Kopp, W., Fischer, R., Henderson, T., Morkoc, H. Microwave performance of GaAs MESFETs with AlGaAs buffer layers—effect of heterointerfaces 4—30639
Arnold, D., Kopp, W., Fischer, R., Klem, J., Morkoc, H. Bias dependence of capacitances in modulation-doped FETs at 4 GHz 4—36601
Arnold, G. Yaesu FT-980 HF transceiver 4—38487
Arnold, G. Uniden CR-2021 communications receiver 4—44223
Arnold, G. Yaesu FT-757GX HF transceiver 4—48411
Arnold, G., Oelgart, G. Ionization rates for electrons and holes in GaAsP 4—30411
Arnold, G. *see* Oelgart, G. 4—41874
Arnold, H.W. *see* Cox, D.C. 4—47609
Arnold, J.L., Blank, R.W. GPS/INS integration for range instrumentation 4—38744
Arnold, J.L., Blank, R.W. GPS/INS integration for range instrumentation 4—49430
Arnold, O.E., Manthei, L.W., Nahata, P. Short and open testing of parallel lines 4—29229
Arnold, P.C., Bills, D.G. Causes of unstable and nonreproducible sensitivities in Bayard-Alpert ionization gauges 4—44641
Arnold, P.C. *see* Bills, D.G. 4—44642
Arnold, R.C., Bhushan, B. Measuring the refractive index of magnetic media 4—44628
Arnold, S.L. Peer networks of interactive VAX and IBM computers. File transfer, mail, and messages 4—32383
Arnold, W. *see* Goebbels, K. 4—29572
Arnold, W.H., III Image placement difference between 1:1 projection aligners and 10:1 reduction wafer steppers 4—36671
Arnol'dov, M.N., Kebadze, B.V., Kozlov, F.A., Komissarov, Yu.O., Luovenko, V.I. Use of thermoelectric converters with liquid-metal electrodes for measuring the temperature of liquid-metal coolants 4—33527
Arnoldt, M. Quadrature oscillator for the audio range 4—35673
Arnoldt, M. High-stability quartz oscillator 4—47155
Arnoldt, M. Digitally adjusted voltage: mains supply for 29.9 V with 0.1 V resolution 4—58145
Arnoldussen, T. *see* Rossi, E.M. 4—31015
Arnone, C. *see* Catalano, I.M. 4—31492
Arnould, E., Dugre, J.P. Real time discrete cosine transform—an original architecture 4—61050
Arnoult, F. *see* Mautref, M. 4—34888
Arnoux, J.M. *see* Bourbin, Y. 4—42415
Arnstein, D.S. *see* Suyderhoud, H. 4—60750
Aro, M., Kuusisto, O. Insulators for medium-voltage overhead lines 4—56647
Arockiasamy, R. *see* Ranganadhachari, M.V.S.S. 4—62609
Arockiasamy, R. *see* Ranganadhacharl, M.V.S.S. 4—45446
Aronoff, B.L. Lasers in plastic and general surgery 4—39591
Aronov, D.A., Knigin, P.I., Mamatkulov, B.R. Exclusion effect quenching in compensated semiconductors under the action of impurity illumination generating majority current carriers 4—59313
Aronson, J.D. *see* Feketekuty, G. 4—54011
Aronson, M.H. Network control of satellite communication systems 4—54711
Aronson, M.H. *see* Sanli, N. 4—44028
Aronson, R. The mechanical heart: Designing for the replacement market 4—33882
Aronson, R.B. Rediscovering piezoelectrics 4—52356
Aronson, R.B. A new way to see inside the body [NMR] 4—56103
Aronstein, J., Campbell, W.E. The influence of corrosion inhibitor and surface abrasion on the failure of aluminum-wired twist-on connections 4—41676
Arora, A., Pardee, W.J. Electromagnetic acoustic transducer for in-plane and plane-normal velocity measurements 4—62007
Arora, B.M. *see* Kurup, M.B. 4—41964
Arora, B.M. *see* Narsale, A.M. 4—58814
Arora, B.M. *see* Srivastava, A.K. 4—57360
Arora, K.K. *see* Quick, R.F., Jr. 4—32965
Arora, N.D., Hauser, J.R. Spectral response of n^+-n-p and N^+-p photodiodes 4—37219
Arora, N.K. *see* Singh, N.P. 4—40454
Arora, N.S. *see* Adams, J.M. 4—33836
Arora, P.N., Chowdhary, S. Generalised directed divergence without symmetry 4—43023
Arovas, D., Schrieffer, J.R., Wilczek, F. Fractional statistics and the quantum Hall effect 4—51737
Arques, M. *see* Munier, B. 4—55228
Arrathoon, R., Hassoun, M.H. Optical threshold logic elements for digital computation 4—31173
Arrathoon, R., Hassoun, M.H. A high data rate integrated optical vector matrix multiplier 4—52695
Arrathoon, R. *see* Hassoun, M.H. 4—37159
Arratia, R.A., Bertram, H.N. Monte Carlo simulation of particulate noise in magnetic recording 4—42245
Arreola, J. *see* Woodruff, R. 4—58480

Arridge, R.G.C. Improvement of the high frequency content of fast Fourier transforms 4—41030

Arrillaga, J., Graham, J.C., Hisha, H. Microprocessor-controlled HVDC simulator 4—62156

Arrillaga, J., Hisha, H., Graham, J.C., Baldwin, D.G. Scaled down simulation of HVDC convertor faults 4—62603

Arrott, A.S. *see* Templeton, T.L. 4—31579

Arrowsmith, R.P. *see* Tuppen, C.G. 4—46940

Arrowsmith, R.P. *see* Wyncoll, J. 4—41907

Arruda, A.C.F., Barbosa, L.C. Research and development of silicon solar cells in Brazil 4—34901

Arsenault, H.H., Levesque, M. Combined homomorphic and local-statistics processing for restoration of images degraded by signal-dependent noise 4—32012

Arsenault, H.H. *see* Hsu, Y.-N. 4—32011

Arsenin, V.Ya. *see* Tikhonov, A.N. 4—39524, 4—44738

Arsent'ev, I.N. *see* Alferov, Zh.I. 4—47471

Arshak, K.I. *see* Al-Ramadhan, F.A.S. 4—58818

Arshenevskii, N.N. *see* Karelin, V.Ya. 4—45326

Arslanian, A.S., Durrani, T.S. Target-clutter identification by lattice processors 4—60890

Arst, M.C. *see* Ritz, K.N. 4—52228

Arstein, D. *see* Personick, S.D. 4—54796

Artac, M. *see* Zevnik, C. 4—46696

Artale, L.A., Stuffle, R.E. Diode parameter estimation by regression techniques for computer-aided analysis 4—42025

Artamonov, V.A. *see* Adamenko, G.M. 4—32462

Artemenko, S.B., Ushakov, V.L., Chernovol, A.N. Universal holographic camera 4—37486

Artemenko, S.N., Didenko, A.N., Kaminskii, V.L., Yushkov, Yu.G. Microwave energy output from a superconducting resonator 4—36024

Artem'ev, A.V. *see* Zhelezko, Yu.S. 4—56596

Artemiev, V., Bamberger, A., Fuchs, M., Galaktionov, Y., Giesen, G., Gordeev, A., Gorodkov, Y., Heck, W., Kamishkov, Y., Lubimov, V., Ludwig, J., Marx, R., Mocken, T., Plyaskin, V., Pojidaev, V., Runge, K., Shevchenko, V., Shumilov, E., Skodzek, E., Weber, H.-C., Weltin, A., Wulker, M. Performance of a fine grained photon position detector using proportional tubes 4—61684

Artemov, V.V. *see* Amelichkin, V.N. 4—33868

Arthur, E. *see* Praszczak, J. 4—36368

Arthur, G.S. *see* Lewis, K.L. 4—30330

Arthurs, A.M. *see* Anderson, N. 4—31552

Arthurs, E., Chesson, G.L., Stuck, B.W. Theoretical performance analysis of virtual circuit LAN sliding window flow control 4—43502

Arthurs, E., Stuck, B.W. Traffic analysis tools for integrated digital time-division link level multiplexing of synchronous and asynchronous message streams 4—32084

Artishevskii, V.A. The best shapes for totally-enclosed transformers with aluminium and copper windings 4—49932

Artiuch, R. Digital phase locked loop 4—29727

Artiuch, R. Design of the digital phase locked loop 4—58212

Artsishevskii, Ya.L., Kazanskii, V.E. Features of relay protection with discrete current and voltage transformers 4—39940

Aruga, K. *see* Togashi, M. 4—54171

Arul Raj, I., Amrit Phale, S.S., Manickam, A., Muthu, K., Chandrasekaran, R., Indira, C.J., Pattabiraman, R., Venkateswara Rao, K., Venkatesan, V.K. Studies on hydrogen and oxygen gas diffusion electrodes for use in alkaline low temperature hydrogen-oxygen fuel cells 4—34871

Arun, K.S., Bhaskar Rao, D.V., Kung, S.V. A new predictive efficiency criterion for approximate stochastic realization 4—43391

Arun, K.S., Kung, S.Y. A new SVD based algorithm for ARMA spectral estimation 4—37987

Arun, K.S. *see* Kung, S.Y. 4—38004

Arunachalam, V.P. *see* Palanisamy, K.R. 4—29315, 4—58131

Arushanov, A.P. *see* Sechenov, D.A. 4—30526

Arushanov, G.M. *see* Mavashev, Yu.Z. 4—55369

Arutunyan, V.M., Agadjanyan, S.A., Muradyan, A.Zh., Oganyan, A.A., Papazyan, T.A. Efficiency and quality investigation of the phase conjugation of degenerate four-wave parametric mixing of picosecond pulses in a resonance dye 4—42704

Arutyunov, P.A. Analysis of frequency-selective integrated circuits in a system of normal coordinates 4—51666

Arutyunov, V.A., Mel'nikov, V.G., Slobodyan, S.M., Chaporov, D.P., Popov, O.N. Sources of measurement error of fast-flowing process parameters by charge-coupled devices 4—55138

Arutyunova, L.I. *see* Ben'kova, L.F. 4—48863

Arutyunyan, E.A., Il'in, V.V., Lebedev, L.S., Morozov, V.V., Skaletskii, E.K. Optical waveguides fabricated in YAG:Nd^{3+} by ion implantation 4—37141

Arutyunyan, V.M., Dzhotyan, G.P., Karmenyan, A.V., Meliksetyan, T.E. Two-frequency tunable laser 4—59467

Arutyunyan, V.M., Vardapetyan, T.A. Aerobic photoelectrochemical converter of regenerative type 4—57299

Arvanov, A.N., Gavalyan, V.G., Porikyan, M.P. Flight-time detector with KBr as the sensitive substance 4—39496

Arvela, H.K. *see* Anderson, D.F. 4—61680

Arwidi, A. *see* Dahlin, H. 4—44771

Arya, P. *see* Clarke, R.J. 4—59007

Arya, R.R. *see* Bouazzi, A. 4—40440

Aryaeinejad, R. *see* Twin, P.J. 4—49100

Arzamastsev, D.A., Igumenschev, V.A., Salamatov, I.A., Kovalenko, Yu.P. Non-stationary state analysis of a supply system with sharply variable load 4—45054

Arzamastsev, D.A., Igumenshchev, V.A., Salamatov, I.A., Kovalenko, Yu.P. Calculating non-stationary conditions in a power supply system having extremely variable loads 4—44968

Arzamastsev, D.A., Zaitsev, L.I., Kirpikova, I.L., Oboskalov, V.P. The distribution of a power deficit when determining the functional reliability of distribution schemes during the planning stage 4—56585

Arzhannikov, E.A. Locating a fault in a long line from one end 4—45186

Arzhanov, V.V., Beinarovich, V.A., Fadeev, V.S. Possibilities of improving the dynamic properties of electric drives with subordinated control of parameters 4—40536

As, H.R.van *see* van As, H.R.

Asabe, T. *see* Ikezaki, M. 4—54117

Asada, K. *see* Haneji, N. 4—58882

Asada, M., Kameyama, A., Suematsu, Y. Gain and intervalence band absorption in quantum-well lasers 4—52976

Asaeda, T., Yutani, T., Kawabata, T., Hamasaki, Y. DC-to-AC power converter for fuel cell system 4—57185

Asaenok, N.A., Kostenich, Yu.V., Rubinov, A.N., Khulugurov, V.M., Chepurnoi, V.A., Shkadarevich, A.P., Efendiev, T.Sh. Tunable F_2-center laser with distributed feedback 4—59490

Asahara, Y., Izumitani, T. The properties of gradient-index antireflection layers on phase-separable glass 4—37191

Asahara, Y. *see* Nakazawa, M. 4—52581

Asahi, H. *see* Kawamura, Y. 4—42629, 4—50749

Asahi, K., Ishihara, M., Kamitsubo, H., Takahashi, N., Nojiri, Y., Minamisono, T., Mizobuchi, A., Sugimoto, K. Measurement of ejectile polarization in heavy ion reactions via beta-ray asymmetry 4—39417

Asai, H., Adachi, S., Ando, S., Oe, K. Lateral GaAs growth over tungsten gratings on (001) GaAs substrates by metalorganic chemical vapor deposition and applications to vertical field-effect transistors 4—42064

Asai, H. *see* Oe, K. 4—35487

Asai, H. *see* Ozawa, T. 4—51237

Asai, K., Kurumada, K., Hirayama, M., Ohmori, M. GaAs 1 kbit static RAM with self-aligned FET technology 4—41351

Asai, K., Ohwada, K., Kurumada, K., Suzuki, M. GaAs static RAM fabrication technology 4—51200

Asai, K. *see* Murakami, T. 4—61038

Asai, K. *see* Tanaka, H. 4—46133, 4—57944

Asai, S. *see* Aoki, Y. 4—52263

Asai, S. *see* Funakoshi, K. 4—30718

Asai, S. *see* Higashisaka, A. 4—42138

Asai, S. *see* Itoh, K. 4—51249

Asai, S. *see* Kume, H. 4—42139

Asai, S. *see* Sunami, H. 4—46456

Asai, S. *see* Takada, E. 4—30808

Asai, S. *see* Tokuda, T. 4—51098

Asai, S. *see* Wada, Y. 4—36864

Asakawa, K., Sugata, S. Optical emission spectrum of Cl_2 ECR plasma in the GaAs reactive ion beam etching (RIBE) system 4—30523

Asakawa, K. *see* Semura, S. 4—41993

Asakawa, K. *see* Tsukada, N. 4—36482

Asakawa, Y. *see* Hataoka, N. 4—59990

Asakura, T. *see* Kawase, Y. 4—39321

Asakura, T. *see* Tedjojuwono, K. 4—47536, 4—59652

Asakura, T. *see* Tsuji, T. 4—37121

Asama, K. *see* Kawai, S. 4—55602

Asambaev, S.N. A rapid way of assessing the stability of generators with a simplified system of automatic-excitation regulation 4—56927

Asami, N. *see* Tominaga, S. 4—62320

Asamura, S. A design method for a building out network of a coaxial transmission system 4—48371

Asamura, S. *see* Yoshikai, N. 4—38622

Asano, D. *see* Salomon, M. 4—33744

Asano, I. *see* Oku, H. 4—29903

Asano, K. *see* Minemura, H. 4—31083

Asano, K. *see* Oh-uchi, N. 4—36810

Asano, K. *see* Yoshii, Y. 4—51337

Asano, M. *see* Takechi, M. 4—51242

Asano, N. *see* Kamiya, N. 4—50022

Asano, S., Inose, H., Sakai, T., Kato, M. Networking for inter-university computer centers in Japan 4—32410

Asano, S., Miyao, K., Yajima, R. Considerations on the mixed-mode teletex protocol with conference function 4—32280

Asano, T. Generating and counting all possible patterns for routes between two points 4—58611

Asano, T., Asano, T., Ohsuga, Y. Partitioning a polygonal region into a minimum number of triangles 4—47919

Asano, T., Hirata, T. Edge-contraction problems 4—35372

Asano, T., Ishiwara, H. Epitaxial growth of Si films on CaF_2/Si structures with thin Si layers predeposited at room temperature 4—41054

Asano, T. *see* Asano, T. 4—47919

Asano, Y. *see* Yamazaki, H. 4—52538

Asao, H. *see* Matsunaga, M. 4—59894

Asaoka, H. *see* Kishi, S. 4—30924

Asard, P. *see* Dahlin, H. 4—44771

Asare, R.P. *see* Bhushan, S. 4—52778, 4—52779

Asatiani, T.L., Abrahamian, A.V., Alchudjian, S.V., Ivanov, V.A., Kozliner, L.I., Martirossian, G.S., Pogossian, A.K., Ter-Antonian, S.V. The investigation of muon groups at large zenith angles with the Aragats spark calorimeter 4—61719

Asatryan, S.G., Gurtov, V.A., Ivashenkov, O.N., Kurbatov, G.A. Electrophysical properties of thermal tantalum oxide in metal-insulator-semiconductor structures 4—30447

Asavinei, I. *see* Hanh, N. 4—48878

Asawa, C.K. *see* Stearns, R.C. 4—54825

Asbeck, P.M., Miller, D.L., Anderson, R.J., Deming, R.N., Hou, L.D., Liechti, C.A., Eisen, F.H. 4.5 GHz frequency dividers using GaAs/(GaAl)As heterojunction bipolar transistors 4—51386

Asbeck, P.M., Miller, D.L., Anderson, R.J., Eisen, F.H. Emitter-coupled logic circuits implemented with heterojunction bipolar transistors 4—29822

Asbeck, P.M., Miller, D.L., Anderson, R.J., Eisen, F.H. GaAs/(Ga,Al)As heterojunction bipolar transistors with buried oxygen-implanted isolation layers 4—59017

Asbeck, P.M., Miller, D.L., Anderson, R.J., Hou, L.D., Deming, R., Eisen, F. Nonthreshold logic ring oscillators implemented with GaAs/(GaAl)As heterojunction bipolar transistors 4—42147

Asbeck, P.M. *see* Chang, M.F. 4—52274

Asbeck, P.M. *see* Kirkpatrick, C.G. 4—50796

Asch, A.W.van *see* van Asch, A.W.

Aschaff, V. An interesting telecommunications proposal from the year 1782 4—43520

Ascroft, R., McFarlane, A. Training for—and by—digital technology 4—57726

Asensi Perez, J. An electronic conversation searcher (scanner) 4—38489

Asensi Perez, J. A domestic mini-robot 4—57590

Aseo, J. Flexible modem protocols declare war on errors 4—32349

Aseo, J. CAD packages convert micros into engineering workstations 4—41152

Aseo, J. Circuit-switched networks connect like telephones 4—43751

Aseo, J. Simpler clusters emerge as local area network alternative 4—48201

Aseo, J. Matrix array processor breaks through supercomputer barrier 4—58350

Asfar, A.N., Clay, P.G., Williams, J.G. CR-39 as a gamma ray dosimeter 4—55882

Asfar, M.N., Button, K.J. Precise millimeter wave measurements of complex refractive index, complex dielectric permittivity and loss tangent 4—41137

Asgarpoor, S. *see* Singh, C. 4—62080

Asgersen, C. Dimensioning of trunk groups in digital networks 4—60403

Ash, C.P., Thrower, K.R. The changing role of analogue and digital processing 4—47892

Ash, M.C. *see* Daw, A.N. 4—47051

Ashall, J. Optical fibres in industrial and sensing applications 4—42334

Ashall, J., Watts, J. Optical data transmission in industry 4—38592

Ashanin, V.N., Kovshow, V.D., Gutnikov, V.S. A/D converter of resistance in resistance transducers 4—44558

Ashbee, W.H., Kilen, R.S. Automatic head recalibrate 4—37023

Ashburn, P., Soerowirdjo, B. Comparison of experimental and theoretical results on polysilicon emitter bipolar transistors 4—47011

Ashcraft, W.D., South, H.M. Architecture and control of a distributed signal processor 4—55356

Ashdown, B. PIII videotex system for IBM mainframes 4—48107

Ashdown, B. How videotex is changing the face of business 4—60446

Ashdown, B.R. PIII videotex system for IBM mainframes 4—54257

Ashe, G. *see* Farrant, M. 4—54786

Ashen, R.A. *see* Bolton, H.R. 4—49858

Ashenayi, K., Ramakumar, R. The loss of power supply probability of wind energy systems with energy storage 4—49664

Ashida, Y., Mishima, Y., Hirose, M., Osaka, Y. Impurity doping in chemically vapor-deposited amorphous hydrogenated silicon from disilane 4—30511

Ashida, Y., Mishima, Y., Hirose, M., Osaka, Y., Kojima, K. Hydrogenated amorphous silicon produced by pyrolysis of disilane in a hot wall reactor 4—29519

Ashihara, H. Digital capabilities add to merits of network resistors 4—51679

Ashikhmina, L.A., Berezina, T.G., Goikhenberg, Yu.N. Fault rate analysis for long-term operation steam pipes 4—40070

Ashitkov, V.D. *see* Klimakov, A.P. 4—34814

Ashiya, M., Naruto, M., Yoshimura, M., Nagai, S. A computer aided training system for electric railcar operation 4—62753

Ashiya, M. *see* Awano, T. 4—57477

Ashizawa, Y. *see* Watanabe, M.O. 4—30321

Ashkenaz, S.M. *see* Ewbank, D.E. 4—36389

Ashkenazy, J., Levine, E., Perlmutter, P., Shtrikman, S. Microstrip beam shifted arrays 4—37776

Ashkin, A. *see* Smith, P.W. 4—31490

Ashkin, A. *see* Stolen, R.H. 4—52577

Ashley, A.T. *see* Walker, R.S. 4—60135

Ashley, J.R. Spectral estimation applied to concert hall acoustics 4—37980

Ashley, J.R. Requirements for loudspeaker crossover networks 4—55119

Ashley, J.R. *see* Freude, W. 4—44606

Ashmontas, S.P., Vingyalis, L.L., Guoga, V.I., Olekas, A.P., Suzhedelis, A.V. Volt-watt sensitivity of a detector with a point-type n-n^+ junction 4—30414

Ashok, E., Schultheiss, P.M. The effect of an auxiliary source on the performance of a randomly perturbed array [underwater source location] 4—60925

Ashok, S., Baliga, B.J. Effect of antimony ion implantation on Al-silicon Schottky diode characteristics 4—58898

Ashok, S., Krautle, H., Beneking, H. Effect of argon ion implantation dose on silicon Schottky barrier characteristics 4—58793

Ashour, A.H. *see* Ghani, A.A. 4—58737

Ashpole, R.S. *see* Hinchliffe, J.D.S. 4—54842

Ashraf, S.J. *see* Nagrial, M.H. 4—34558

Ashrafi, D. *see* Yoo, K.B. 4—30903

Ashrafi, S. *see* Yoo, K.B. 4—30903

Ashrapov, T.B. *see* Kondrashov, A.V. 4—62328

Ashtiani, C.N., Lowther, D.A. Simulation of the steady-state reactances of a large water-wheel generator by finite elements 4—56933

Ashtiani, C.N., Lowther, D.A. Simulation of the transient and subtransient reactances of a large hydrogenerator by finite elements 4—56967

Ashton, A.P. Traps and trapped antennas for the home constructor. III 4—31762

Ashton, A.P. Traps and trapped antennas for the home constructor. IV 4—37735

Ashton, A.P. Traps and trapped antennas for the home constructor. V 4—42946

Ashton, A.P. DX antennas for the lower bands 4—53286

Asimov, M.M. *see* Rubinov, A.N. 4—42581

Asinovskii, E.I. *see* Abramov, A.G. 4—31324

Ask, P. *see* Pope, C.E., II 4—61800

Askar, M., Derin, H. Recursive algorithms for Bayes smoothing with uncertain observations 4—47703

Askenazy, S. *see* Leotin, J. 4—37203

Askerov, D.D., Agaev, A.M., Dzhafarov, T.D., Ramazanzade, M.G. Sm-GaSe barrier structures 4—41900

Askew, B.A., Symons, P.C. Battery options for fleet electric vehicles 4—45703

Askew, J.C., Birdsall, I.P., Bishop, R.W., Marks, R.A., Pilger, W.W., Reddekopp, A.L., Rhodes, R.T., Smeins, C.B. Continuous non-synchronous automated assembly line 4—35284

Askew, R.E. A cooled low-noise GaAs FET amplifier 4—30099

Askin, H.O., Cavaliere, J.R., Smith, G.E., III Logic circuit with diode as part of load resistance 4—29797

Askin, H.O., Cavaliere, J.R., Smith, G.E., III Logic circuit with tapped collector load resistor 4—35758

Askin, H.O., Smith, G.E., III Push-pull output DTL circuit 4—29798

Askin, H.O., Smith, G.E., III Memory circuit using lateral PNP transistors 4—46459

Askins, C.G. *see* Friebele, E.J. 4—37112, 4—52673

Askins, M. The Visionary 100 super modem 4—48315

Aslamazyan, A.S. *see* Bespalov, V.B. 4—51524

Aslanov, T.A. *see* Pashaev, A.M. 4—51869

Asmus, D.P., Norton, R.L. Student based robotics projects at WPI 4—35192

Asmusen, J. *see* Whitehair, S. 4—44888

Asmuth, J.C., Gibson, J.D. Sequential noise spectral shaping in ADPCM 4—43265

Asnina, Zh.S., Mezhebovskii, B.E., Paritskii, L.G. Kinetics of the impurity breakdown of photoexcited germanium 4—51767

Aso, K. *see* Ochiai, Y. 4—42223

Asokan, S. *see* Parthasarathy, G. 4—51741, 4—58744

Asokan, S. *see* Prasad, M.V.N. 4—58745

Aspar, K.F. *see* Neelakantaswamy, P.S. 4—44711

Asphahani, A.I. *see* Wu, J.B.C. 4—29213

Aspinall, M. MZ-80K Frequency Test 4—48669

Aspnes, J.D. *see* Zarling, J.P. 4—40146

Aspragathos, N. The effects of series capacitor transmission lines compensation degree on the turbine-generator rotor torsional stress and fatigue under large scale electrical transients 4—34599

Aspragathos, N., Dimarogonas, A. The effects of some system parameters on the fatigue life reduction of turbine-generator shafts due to electrical transients 4—62496

Asquith, J.G. Applicability of SNAP reactor component and material technology to advanced space nuclear reactors 4—34367

Assa, J. *see* Pischel, B. 4—49091

Assadourian, L., Herczeg, L. Three-step process for depositing indium-tin oxide coatings 4—41074

Assal, F. *see* Cahana, D. 4—32776

Assal, F. *see* Gutpa, R. 4—38568

Assal, F. *see* Potukuchi, J. 4—32784, 4—38569

Assalit, H., Kim, J., Celie, B. Static plasma spreading in thyristor devices 4—52081

Assis Fonesca, S.B.de *see* de Assis Fonesca, S.B.

Assmann, S.F., Kleitman, D.J. Characterization of curve map graphs 4—50649

Assmann, W., Korschinek, G., Munzer, H. Test of NEC tubes in compressed geometry 4—33592

Assmann, W. *see* Korschinek, G. 4—33591

Astadjov, D.N., Petrash, G.G., Sabotinov, N.V., Vuchkov, N.K. Long-lived sealed-off CuBr laser 4—59439

Astafurov, V.G., Mitsel', A.A. Features of processing lidar signals when measuring gaseous components in the atmosphere 4—39701

Astakhov, N.E. *see* Gofman, A.M. 4—61907

Astakhov, V.N., Vyalyi, N.G., Pashun, A.D. Rectifier photoelectric effect in heterogeneous transitions of n^+-GaAs/n-ZnSe on X-ray excitation 4—33724

Astakhov, V.N. *see* Anishchenko, V.A. 4—30381

Astakhov, V.V. *see* Anishchenko, V.S. 4—29699

Astakhov, Yu.N., Venikov, V.A., Ivanov, A.M., Lidorenko, N.S., Muchnik, G.F., Ter-Gazaryan, A.G., Kharitonov, V.F. Scope for electric energy stores in power systems 4—44964

Astakov, V.V. *see* Anishchenko, V.S. 4—35675

Astashkevich, B.A. *see* Anisimov, Ye.N. 4—51054

Astbury, A., Bowcock, T., Cawthraw, M., Eisenhandler, E., Ellis, N., English, R., Garvey, J., Gibson, W.R., Grant, D., Grayer, G., Haynes, W.J., Homer, R.J., Honma, A., Keeler, R., McMahon, T., McPherson, G., Nandi, A.K., Salvi, G., Wilson, D.N. UA1 calorimeter trigger 4—33756

Asten, K.J. Let's get digital [telephone exchanges] 4—32536

Astheimer, R.W. Thermistor infrared detectors 4—55472

Asthenopoulos, A. *see* Vourvopoulos, G. 4—33561

Astola, J. On the asymptotic behaviour of Lee-codes 4—43092

Astolfi, D.K. *see* Rathman, D.D. 4—47012

Astorga, V.I. *see* Shapiro, L.Ya. 4—40179

Astrov, D.N. *see* Kytin, G.A. 4—33088

Astvatsatur'yan, E.R., Barbashov, V.M., Godovitsyn, V.A., Chumkaov, A.I. Setup for monitoring the flux density of fast neutrons 4—33717

Asuilar, A.S., Mata, G.V. The use of symbolic languages in the computerized synthesis of digital circuits 4—41160

Atac, M. Breakdown processes in wire chambers, prevention and rate capability 4—33684

Atac, M. *see* Hayashide, Y. 4—33681

Atake, T. *see* Chihara, H. 4—55729

Atakhanov, R. Channel capacity of a TV system with pre-emphasis and correction 4—44243

Atakhanov, R., Mamatkhodzhaev, V.M. Research into nonadaptive and adaptive TV systems with linear prediction using simulation modelling 4—38830

Atal, B.S., Schroeder, M. Stochastic models for low bit rate coding of speech signals 4—43286

Atal, B.S. *see* Singhal, S. 4—53485

Atallah, K., Martinot, H. Equivalent circuit and minority carrier lifetime in heterostructure light emitting diodes 4—47360

Atamasov, V.D., Evdokimov, A.N., Zhirkov, V.A., Ivanova, N.A., Skrebkov, S.A., Timashev, S.V., Urtmintsev, I.A. Experimental study of cesium arc thermionic converters with multicavity anodes 4—62714

Atamasov, V.D., Skrebkov, S.A., Tashchilin, L.N., Urtmintsev, I.A. Experimental study of cesium arc thermionic converters with a multicavity emitter 4—62713

Atanasov, P.A., Zaroslov, D.Yu., Karlov, N.V., Kovalev, I.O., Kuz'min, G.P., Prokhorov, A.M. CO_2 laser with plasma electrodes 4—52917

Atashroo, M.A., Moore, M. Super-Spike based automatic thresholding—a non-parametric image modeling 4—38102

Atayants, B.A., Ezeskii, V.V. Calculation of the antenna error when determining the scattering matrix of a radar target 4—53282

Atayants, B.A., Karpov, A.F. Approximation of the phase probability density of a narrowband normal random process 4—47869

Atayants, B.A., Karpov, A.F. Probability models of radio-signal phase 4—53343

Ateshian, P.A. *see* Strasilla, U. 4—35964

Athale, R.A., Giles, C.L., Blodgett, J.A. Use of E-beam written CGH in optical pattern recognition 4—60158

Athale, R.A., Hoang, H.Q., Lee, J.N. High accuracy matrix multiplication with a magnetooptic spatial light modulator 4—53801

Athale, R.A., Lee, J.N. Optical processing using outer-product concepts 4—60201

Athale, R.A. *see* Goodman, J.W. 4—60868

Athanassiadis, N. *see* Michos, A. 4—45375

Atherton, W.A. From compass to computer. A History of electrical and electronics engineering 4—35123

Ati, I.A. *see* Mandour, I. 4—29688

Atis, K. *see* Maris, O. 4—31090

Atkins, A. Cable-connected micros come to the rescue 4—43734

Atkins, A.G. Minidrum synth 4—33032

Atkins, C. Simple logic analyser. I 4—55339

Atkins, D.E. *see* Liu, W. 4—35769

Atkins, D.E. *see* Rutenbar, R.A. 4—35770

Atkins, J.W., Cooper, N.J.P., Gleen, K.E. The evolving art of packet switching 4—38302

Atkins, M., Fleming, W., O'Connor, P.B., Reddy Raju, V. Plasma fireball process speeds light-guide fiber production 4—37109

Atkins, P., McQueen, P.D. Acoustic correlation logs 4—44180

Atkinson, H.H., Gargantini, I., Ramanath, M.V.S. Determination of the 3D border by repeated elimination of internal surfaces 4—43404

Atkinson, M., Crennell, D., Fisher, C.M., Hughes, P., Kurtz, N. Micro vertex detector design for collider geometries 4—61709

Atkinson, P. Amelioration of stick-slip phenomena in electromechanical servomechanisms 4—57097

Atkinson, P., Savage, P.R. Microprocessor control of two-phase AC induction motors 4—57048

Atkinson, R.H. Traction power substation equipment for Staten Island Rapid Transit Operating Authority 4—50182

Atlas, D., Ulbrich, C.W., Meneghini, R. The multiparameter remote measurement of rainfall 4—49453

Atlas, D. *see* Ulbrich, C.W. 4—49456

Atlung, S., Fastrup, B. Limitations in the design of lead-acid cells with immobilized electrolyte 4—45600

Atlung, S., Zachau-Christiansen, B., West, K., Jacobsen, T. The composite insertion electrode. Theoretical part. Equilibrium in the insertion compound and linear potential dependence 4—50026

Atmuri, R. *see* Andersson, G. 4—62437

Ato, S. *see* Tanaka, H. 4—50971

Atsumi, K. *see* Fujimasa, I. 4—49171

Atsumi, S. *see* Tanaka, S. 4—51233

Attal, J., Bagnol, J., Dandonneau, J.M., Ly Cong Can, Merle, P., Saurel, J.M., Vellas, J.R. Progress in acoustic microscopy in the investigation of solids 4—34002

Atten, P. *see* Haidara, M. 4—52317

Attew, J.E. Comb filter products from Electrocraft 4—32950

Attfield, B.W. *see* Tsang, S. 4—38562

Attikiouzel, J., Keye, M., Black, J.L. Microcomputer for diagnosis of neurological disorders 4—49220

Attikiouzel, J. *see* Marshall, T.G. 4—49288

Attwood, R. *see* Grant, W.T. 4—56891

Atwater, H.A., Smith, H.I., Thompson, C.V., Geis, M.W. Zone-melting recrystallization of thick silicon on insulator films 4—30432

Atwater, H.A. *see* Smith, H.I. 4—29485

Atwood, G.E. *see* Liu, S.S. 4—51299

Atwood, W.B. *see* Ogawa, A. 4—33688

Atzeni, C. *see* Tortoli, P. 4—55761

Atzert, U. *see* Decker, J. 4—59664

Atzinger, A., Breit, A. 5 years of experience of radiation therapy—planning with computed tomography 4—39597

Au, D. *see* Sarkozy, Z. 4—32775

Au Kong Jin *see* Jin Au Kong

Au-Yeung, H. *see* Menzies, R.W. 4—34817

Aubakirov, K.Ya. *see* Shleye, V.R. 4—31718

Aubakirov, R.G., Murzin, A.G., Fromzel, V.A. Raising the efficiency of intracavity laser pumping of selectively absorbing media 4—47444

Aubert, A.E., Welkenhuysen, L., Montald, J., de Wolf, L., Geivers, H., Minten, J., Kesteloot, H., Geest, H. Laser method for recording displacement of the heart and chest wall 4—33819

Aubert, J.-J. *see* Vivien, D. 4—42591

Aubert, J.P., Vaissiere, J.C., Nougier, J.P. Matrix determination of the stationary solution of the Boltzmann equation for hot carriers in semiconductors 4—51735

Auble, R.L. *see* Sjoreen, T.P. 4—61686

Auble, T.E. *see* Thompson, L.B. 4—49707

Aubry, J.F., Pfitscher, G.H., Louis, J.P., El-Hefnawy, A.A. Minimal microcomputer hardware for direct digital control of a DC motor 4—49910

Aubry, J.P. Quartz and $LiTaO_3$ VHF resonators for direct frequency generation in the GHz range 4—52359

Aubry, J.P., Gerard, E., Lechopier, S. S.Y. parameters method for accurate measurements of bulk wave crystal resonators at frequencies up to 2 GHz 4—30902

Aubry, Y. *see* Bouzinac, J.P. 4—53018

Auch, A.G., Joosep, H. Automatic engineering change analysis for incremental timing analysis [of logic modules] 4—41312

Auch, A.G., Tryon, D.R. Incremental model development for timing analysis 4—46426

Auch, W., Schlemper, E. Fiber optic gyroscope 4—37098

Auchampaugh, G.F. *see* Wender, S.A. 4—39499

Auchterlonie, L.J. *see* Smith, D. 4—55655

Auclair, H. *see* Arnaud, C. 4—56625

AuCoin, T.R. *see* Dixon, S. 4—36076

Aucourt, C. *see* Deschamps, L. 4—62130

Aucouturier, J.-L. *see* Zardini, C. 4—30232

Auda, H., Harrington, R.F. Inductive posts and diaphragms of arbitrary shape and number in a rectangular waveguide 4—53254

Audain, C.G. *see* Gupta, S.K. 4—58954

Audenhove, J.Van *see* Van Audenhove, J.

Auderset, H. *see* Steigmeier, E.F. 4—51962

Audestad, J.A. Data transmission in the INMARSAT system 4—44048

Audestad, J.A. *see* Loken, B. 4—43992

Audet, J.J. The Ocean Pollution Data and Information Network (OPDIN) 4—61953

Audo, S. *see* Taguchi, M. 4—58338

Audone, B., Totto, E.R., Barba, M.D. The computer-aided approach to emission testing 4—33116

Audoux, C., Douarre, R., Gauthier, P. Behaviour of the metal sheath-screen complex [power cables] 4—56627

Audy, L. *see* Rajagopalan, V. 4—57214

Auer, H. Antenna test receiver ME80 from Grundig-Electronic 4—38772

Auer, H. 50 MHz oscilloscope with new measuring possibilities 4—39211

Auer, J. *see* Hlubek, W. 4—56730

Auer, M., Burke, R., Maurer, W., Obreza, V. The Apple IIe as a controller for automated test equipment 4—61193

Auer, R. Camera recorder Video-movie GR-C1 from JVC: Video World Champion 4—38867

Auer, R. User's test: Sony Beta-movie BMC-100P out of the magic box! 4—38868

Auer, R. User's test: Panasonic NV-850 expectations are met 4—38870

Auer, R. Video camera. Picture pickup tubes 4—51712

Auer, R. Headphones, 'Diffus' on the market 4—61151

Auer, R. Test report: portable cassette players. Each a master in its own way 4—61153

Auer, W. Pointing, acquisition and tracking for intersatellite optical data links 4—60820

Auer, W., Ruff, G. A high resolution stepper motor 4—49921

Auerkari, P., Vierros, P., Salonen, J. On the reliability of creep damage assessment of power plant steam pipings 4—45311

Auffret, R., le Boutet, A. A French long-wavelength optical link for video 4—44071

Auge, J., Valentin, M., Turpin, M., Dubos, J., Pocholle, J.P., Raffy, J., Bourbin, Y. Characterisation of single-mode optical fibers 4—47280

Auge, J. *see* Turpin, M. 4—47281

Augspurger, U. *see* Pomper, M. 4—51285

August, L.S. Design criteria for a high-dose MOS dosimeter for use in space 4—30632

Augusta, M., Martins, G. Detection of defects in electric transformers & observations of them by gas chromatography analysis of the gases dissolved in the insulating oil 4—62574

Augustin, D. A more accurate and powerful network analyser 4—39108

Augustin, H. Reliability—a key quality component of data processing systems 4—43591

Augustin, H. TRANSDATA—a high-reliability remote data processing system 4—43592

Augustin, J.E. *see* Brand, C. 4—33639

Augustine, C.M. *see* Klein, H.-H. 4—41080

Augusto da Luz Reis Topological evaluation of VLSI circuits 4—52217

Aujard, H. DBS critical for European industry 4—60761

Auke, H., Barthold, J.E., Elste, P. Computer access in the heterogeneous system 4—48248

Auken, B.J.Van, Jr. *see* Van Auken, B.J., Jr.

Auld, B.A., Kunkel, H.A., Shui, Y.A., Wang, Y. Dynamic behavior of periodic piezoelectric composites 4—52337

Auld, B.A. *see* Kunkel, H.A. 4—56347

Auld, B.A. *see* Meeks, S.W. 4—56345

Aulin, T., Sundberg, C.-E. Calculating the power spectrum for a general digital FM signal the easy way 4—43381

Aulin, T. *see* Lindell, G. 4—47748

Aulombard, R.L. *see* Kadri, A. 4—30335

Aunon, J.I. Digital signal processing of evoked potentials 4—49229

Auracher, F. Design tradeoffs for high-speed directional coupler modulators with $\Delta\beta$-reversal in $LiNbO_3$ 4—35695

Auracher, F., Schicketanz, D., Zeitler, K.-H. High-speed $\Delta\beta$-reversal directional coupler modulator with low insertion loss for 1.3 μm in $LiNbO_3$ 4—35696

Aure, R. Concentrating data: statistical multiplexers 4—32537

Aurenhammer, F., Edelsbrunner, H. An optimal algorithm for constructing the weighted Voronoi diagram in the plane 4—32045

Auret, F.D., Bojarczuk, N.A., Paz, O. Ion beam sputter deposition of molybdenum contacts for Schottky barrier diodes 4—30587

Auret, F.D., Paz, O., Bojarczuk, N.A. Characterization of process-induced defects and device properties of ion beam sputter-deposited Mo contacts on Si 4—29528

Auret, F.D. *see* Paz, O. 4—52053

Aus, H.M. *see* Gerlach, B. 4—38063

Aus, H.M. *see* Kriete, A. 4—32060

Auslender, M.I., Karyagin, V.V., Zolotovitskii, A.B., Kalashnikov, V.P., Gizhevskii, B.A. Longitudinal Nernst-Ettingshausen effect in heavily doped EuO 4—30386

Ausschnitt, C.P., Brunner, T.A., Cronin, D.J. Overlay performance of the Perkin-Elmer model 500 4—36670

Ausserwoeger, J. *see* Rose, J. 4—46268

Aust, R.H. Optimizing the reliability of a programmable controller 4—57295

Austin, C.C. *see* Maeding, D.G. 4—59963

Austin, C.W., Thompson, J.F. Quasiconformal mappings and grid generation 4—40937

Austin, J. *see* Vilar, E. 4—31665

Austin, J.D., Tsui, B.M.W., Strickland, D.C., Pizer, S.M., Staab, E.V., Partain, C.L. Three-dimensional display of NMR images 4—61782

Austin, L.F. *see* Stuart-Shakey, P.I. 4—61831

Austin, P.R., Eastham, A.R. Helically wound linear induction pump for molten nonferrous metals 4—57605

Austin, R. A view from industry [information flow] 4—60372

Austin, R.F. *see* Feldman, R.D. 4—59520

Austin, S., Cheung, N.K. Improved system reliability and fault locating via in-service performance monitoring 4—54787

Auston, D.H., Cheung, K.P., Smith, P.R. Picosecond photoconducting Hertzian dipoles 4—53292

Auterman, J.L. Phase stability requirements for a bistatic SAR 4—54855

Auvert, G. *see* Bensahel, D. 4—51762

Auvray, P. Optoelectronic measurement control in series production 4—33512

Auzel, F. *see* Vivien, D. 4—42591

Av-Shalom, A., Kogan, E., Maniv, S. Real time monolithic SAW convolver and programmable correlator 4—36987

Avadhanlu, T.V. Evaluation and comparison of two types of induction-motor drives 4—49885

Avagyan, A.Kh., Gorbatyi, I.N. Modulation of the conductance of a semiconductor on injection of carriers from a nonideal *p-n* junction 4—36317

Avanashi Ligam, A., Kumar, A., Mukunda Rao, M., Reddy, C.N. Magneto-optic transducer optimization in a laser current transformer 4—39258

Avanessians, A.A., Beck, E.C., Corcoran, G.T., Eldumiati, I.I., Elward, J.P., Jr., Glaser, A.B., Irving, R.H., Spiwak, R.R., Wiederhold, R.P. A VLSI link-level controller 4—54499

Avant, R.L., Lee, F.C. The J3 SCR model applied to resonant converter simulation 4—52079

Avaritsiotis, J. *see* Samarakou, M.T. 4—34929

Avaritsiotis, J.N., Sivridis, D., Caroubalos, C., Tsitomeneas, S. Electrolytic refining of copper employing solar photovoltaic conversion 4—35067

Avdeichikov, V.V. *see* Baker, S.I. 4—33727

Avdulov, A.N., Shuster, V.G. Construction of a system of adjoining base surfaces for shape accuracy checking on items of arbitrary shape 4—33471

Aveledo, M. *see* Lefevre, T. 4—56494

Avellaner Lacal, J. *see* Munoz Torralbo, A. 4—62462

Avendano, R. *see* Chu, R.F. 4—62100

Averbakh, Yu.A., Gitman, M.I. Possible extent of use of 160-300 MW power units for heat and power generation 4—40067

Averbakh, Yu.A. *see* Ivanov, V.A. 4—49667

Averbukh, A.M., Samoilenko, O.N., Dmitrenko, A.T., Ushakov, Yu.I. Data-acquisition suite for metrological tests 4—33188

Averbukh, S.G. *see* Belyanina, L.M. 4—50565

Averchenkov, O.E. Device for inputting analog data to a microcomputer 4—61319

Averin, A.P., Basov, N.G., Glotov, E.P., Danilychev, V.A., Drachuk, L.N., Kerimov, O.M., Matveev, I.N., Sorkin, A.M., Soroka, A.M., Ustinov, N.D., Cheburkin, N.V., Yugov, V.I. Investigation of the energy characteristics of a CW electron-beam-controlled industrial CO laser with an output power of 10 kW 4—42549

Averin, A.P., Basov, N.G., Glotov, E.P., Danilychev, V.A., Kerimov, O.M., Matveev, I.N., Soroka, A.M., Ustinov, N.D., Yugov, V.I., Cheburkin, N.V. Universal technological electrical-ionization CO_2-CO laser 4—59390

Averin, A.P., Basov, N.G., Glotov, E.P., Danilychev, V.A., Kerimov, O.M., Malysh, M.M., Soroka, A.M., Tsepelev, V.E., Cheburkin, N.V. Increasing the energy characteristics and service life of CW industrial CO_2 electroionization lasers through the use of five-component laser mixtures 4—59451

Averkieva, G.K., Medvedkin, G.A., Yakovenko, A.A. Positive crystal splitting in $CuInSe_2$ 4—30397

Averosa, E.Lastra Lopez *see* Lastra Lopez Averosa, E.

Avery, C.R., Crawshaw, G. Remote control of traction power over two wires 4—50170

Avery, J.M., Hoyer, E.A. A new speaker independent isolated word speech recognition technique 4—47813

Avery, R.T. Thermal problems of high flux beam lines 4—56051

Avery, W.H., Richards, D., Niemeyer, W.G., Shoemaker, J.D. OTEC energy via methanol production 4—34523

Avetisyan, S.K., Kazaryan, E.M., Melikyan, A.O., Minasyan, G.R. Resonance parametric and amplification of the second harmonic in semiconductors 4—31487

Avgustinovich, I.G. *see* Mavashev, Yu.Z. 4—55369

Avila, H.J., Kuekes, P.J. A one gigaflop VLSI systolic processor 4—53599

Avila, M.A. *see* Calderon, J.L. 4—39831

Avilov-Karnaukhov, B.N., Kovalev, V.E. Dynamics of the energy balance in coal mines and its application in the study of energetics in coal industry 4—39972

Avilov-Karnaukhov, B.N., Zyubrovskii, L.G. Power considerations in iron-ore grinding processes in ball mills 4—50251

Avins, J. Economic issues confronting the US consumer electronics industry—an inquiry into their nature and resolution 4—50400

Avirovic, M., Lux-Steiner, M., Elrod, U., Honigschmid, J., Bucher, E. Single crystal growth of $CdSiAs_2$ by chemical vapor transport: its structure and electrical properties 4—58009

Avis, D., El-Gindy, H. A simple on-line algorithm for planar convex hulls 4—47718

Avis, P., Hunter, N. A cheap and simple demonstration of computer-to-computer communication using light pulses 4—32803

Avouris, N.M. *see* Allan, R.N. 4—34070

A.V.Pazin. *see* Pazin. A.V.

Avramchenko, P.F., Molchan, I.V. Continuous laser beam welding AMg6 alloy 4—45787

Avramenko, A.E., Ariskin, N.I., Samoilov, V.V. Data acquisition, processing, and output system using two-input CAMAC modules 4—48787

Avramov, M. *see* Khinov, Kh. 4—45530

Avrorin, A.V., Kopylov, E.A., Kuznetsov, V.V., Kotlyachkov, M.I., Marchuk, Yu.V. Detection of microwave signals from extended objects by using the shape of the spatial-frequency spectrum 4—35539

Avrutik, A.M., Voronin, G.F., Karpenko, A.P., Efremov, A.S., Ishmuratov, I.A., Ryazankin, G.A. Interface for matching a DRON-2.0 X-ray diffractometer with a computer 4—61214

Avrutskii, V.A., Koshchiyenko, V.N. Discharge on the surface of an insulator in a vacuum in the presence of charged particles 4—42183

Avsarkisyan, G.S. Generalized polynomial forms of Boolean functions and design of multioutput logic circuits 4—51087

Awad, I. *see* Abd El-Salam, I. 4—34442, 4—34443

Awad, R. *see* Wicke, R. 4—56173

Awady, R.El *see* El Awady, R.

Awai, I. *see* Onodera, H. 4—31155, 4—31157

Awaji, N. *see* Ogawa, K. 4—33682, 4—61670

Awaji, N. *see* Uchiike, H. 4—48973

Awaka, J. A prediction method for the received power from rain scattering 4—47610

Awamura, D. *see* Uchiyama, Y. 4—36684

Awane, K. *see* Watanabe, T. 4—32944, 4—39063

Awano, T., Naruto, M., Ashiya, M., Espino, B.C., Tello, A.G. Performance of chopper controlled cars of Mexico Metro 4—57477

Awano, Y., Hashizume, N. Electrical properties of GaAs ballistic FET 4—52129

Awano, Y., Tomizawa, K., Hashizume, N. Principles of operation of short-channel gallium arsenide field-effect transistor determined by Monte Carlo method 4—36591

Awano, Y., Tomizawa, K., Hashizume, N., Kawashima, M., Kanayama, T. Performance and principle of operation of GaAs ballistic FET 4—36059

Awasthy, O.N. Ultrasonic methods in material science and industry 4—50846

Axelgaard, J. Spinal biomechanics of transcutaneous electrical neuromuscular simulation 4—56157

Axelsson, G. Instead of soldering: weld with laser 4—31533

Axvord, R. *see* Gilbert, R. 4—59693

Ayad, M.A. *see* Gomma, M.A. 4—39628

Ayadi, M.H.El *see* El Ayadi, M.H.

Ayasli, Y., Mozzi, R., Reynolds, L.D., Tsukii, T. 6-19 GHz GaAs FET transmit-receive switch 4—30110

Ayasli, Y., Reynolds, L.D., Mozzi, R.L., Hanes, L.K. 2-20-GHz GaAs traveling-wave power amplifier 4—36051

Aydin, K., Seliga, T.A., Bringi, V.N. Differential radar scattering properties of model hail and mixed-phase hydrometeors 4—47595

Aydin, K. *see* Seliga, T.A. 4—47598

Ayers, A.D. *see* Johnson, D.H. 4—34829

Aygun, E., Alacakir, A. An investigation of aging in a quartz crystal by VLF phase comparison method 4—47158

Aylor, J.H. *see* Inigo, R.M. 4—62762

Ayral, J.L., Pocholle, J.P., Raffy, J., Papuchon, M. Optical Kerr coefficient measurement at 1.15 μm in single-mode optical fibres 4—37449

Ayral, J.-L., Pocholle, J.-P., Raffy, J., Papuchon, M. Study of the optical Kerr effect and measurement of the nonlinear index in single-mode optical fibers 4—47283

Ayre, C.A., Bhat, P.N., Ma, Y.Q., Myers, R.M., Thompson, M.G. Line features in the background γ-ray spectrum in the range 0.05-10 MeV at balloon altitudes 4—33763

Ayres, M.G. Modems—intelligence before obsolescence 4—48215

Azaiez, F. *see* Shapira, J.-P. 4—61727

Azaiez, H. *see* Ditta, J. 4—39413

Azan, F. *see* Mills, K. 4—58519

Azancot, I. *see* Lorente, P. 4—49269

Azarenkov, N.A., Drobachenko, O.V., Kondratenko, A.N., Olefir, V.P. Diffraction theory of an electromagnetic wave obliquely incident on a plasma cylinder with spatial dispersion taken into account 4—42875

Azarenkov, N.A., Kondratenko, A.N., Olefir, V.P. Theory of diffraction of electromagnetic waves by a plasma sphere including spatial dispersion 4—42876

Azar'eva, E.D. Finding the power and type of compensator for increasing the carrying capacity of long AC power lines 4—56642

Azaria, M., Hertz, D. Time delay estimation by generalized cross correlation methods 4—43331

Azarova, N.A. *see* Blokhin, A.V. 4—33075

Azaryan, P.E. Non-steady-state processes in the hottest parts of a winding [transformer windings] 4—57120

Azegami, M., Matsuda, T. High-data-rate optical local area network 4—60538

Azema, A. *see* De Micheli, M. 4—37442

Azernikova, T.I., Emel'yanov, N.P. Study of the levels of radiointerference created by aerodynamic line wire dancing dampers 4—39897

Azim Khan, A., Woollam, J.A., Chung, Y. High frequency capacitance-voltage and conductance-voltage characteristics of d.c. sputter deposited a-carbon/silicon MIS structures 4—46886

Azim Khan, A., Woollam, J.A., Chung, Y. Interfacial effects due to tunneling to insulator gap states in amorphous carbon on silicon metal-insulator-semiconductor structures 4—51889

Azimi-Sadjadi, M.R. An efficient algorithm for characteristic polynomial of 2-D state-space structures 4—53770

Azimov, B.S. *see* Abdullaev, K.M. 4—40103

Azimov, S.A., Karageorgy-Alkalaev, P.M., Leiderman, A.Yu., Rubin, S.V. Computer simulation of generation-recombination currents in amorphous silicon p-n diode structures 4—41875

Azimov, S.A., Mirsagatov, Sh.A., Muzafarova, S.A. Current-transfer mechanism in photoconverters with an SDS structure based on polycrystalline cadmium telluride. In_2O_3/p-CdTe and ITO/p-CdTe 4—57342

Aziz, A.K., Han, H., Schneider, M. A finite element method for a boundary value problem of mixed type 4—57986

Aziz, M.M.Abdel *see* Abdel Aziz, M.M.

Azizov, E.A., Akhmerov, N.A., Godonyuk, V.A. Investigation of effectiveness of gas flow action on arc discharge initiated in contact breaking 4—57238

Azoulay, R. *see* Dubon, C. 4—36814

Azoulay, R. *see* Mircea, A. 4—41092

Azouz, L., Youssef, H., Huitema, C., Kamoun, F. Performance evaluation of NADIR bulk data transmission protocol for a multipoint satellite link 4—48441

Azpilicueta, J., Barba, J., Alegria, E., De la Morena, G., Ancin, R., Martinez-Caro, D. Computerized analysis of left ventricular regional function 4—49277

Azuelos, G. *see* Bryman, D. 4—33632

Azuma, A., Kimura, S. A method of calculation on the airloading of vertical axis wind turbine 4—40188

Azuma, A. *see* Nasu, K.-I. 4—40184

Azuma, K. *see* Obata, S. 4—33061

Azuma, R.E. *see* Clifford, E.T.H. 4—61688

Azuma, S. *see* Hatata, M. 4—32808, 4—34224

Azzam, R.M.A. Division-of-wave-front polarizing beam splitter and half-shade device using dielectric thin film on dielectric substrate 4—37158

Azzam, R.M.A., Perilloux, B.E. Polarized-light techniques for generating electrical signals of controllable waveform 4—52521

Azzam, R.M.A., Thonn, T.F. Three-reflection polarizers using dielectric-coated metallic mirrors 4—52746

Azzam, R.M.A. *see* Perilloux, B.E. 4—52707

Azzis, D., Badaoui, M., Launay, M. Preregulated DC-DC converter designed through a feedforward technique 4—50955

Azzouz, A., Duhr, R., Hasler, M. Bifurcation diagram for a piecewise-linear circuit 4—46318

Ba En-Xu, Yang Xing-Yu, Shen Sho-Chun Theoretical analysis of the transverse Zeeman laser 4—52873

Ba Enxu, Lu Kecheng, Zhang Chunping Low-frequency beat noise for gas lasers 4—52887

Ba Enxu *see* Lu Kecheng 4—31302

Baack, C. Integrated optics and communication technology 4—48481

Baan, J. *see* Mur, G. 4—49118

Baasch, H.J., Castrodale, D.O., Estry, R.H., Herald, R.F. Ferrite shielded transducer 4—42882

Baba, A. *see* Masuda, Y. 4—52332

Baba, M. *see* Iguchi, T. 4—50985

Baba, M. *see* Ohshima, T. 4—32285

Baba, T. *see* Kano, I. 4—56816

Baba, Y., Imamura, K., Takahashi, S. Design of two-dimensional digital filters with complex coefficients 4—41503

Babadzhan, E.I., Kosachev, V.V., Lokhov, Yu.N. Role of nonlinear refraction and absorption in the mechanism of failure of a transparent dielectric material using a focused laser single pulse 4—53051

Babadzhan, E.I., Kosachev, V.V., Lokhov, Yu.N., Ryazanov, M.I. Theory of the absorption of laser radiation by metallized microinclusions in transparent materials 4—37424

Babaev, A. *see* Arefiev, A. 4—55843

Babaev, G.M. *see* Abdulaev, A.A. 4—51804

Babakov, M.P. A diode-thyristor relay for overload protection of electric motors 4—45581

Babalola, I.A., Petro, W.G., Kendelewicz, T., Lindau, I., Spicer, W.E. The Ag-InP(110) interface: photoemission studies of interfacial reactions and Schottky-barrier formation 4—51876

Babare, A., Honorati, O., Paggi, R. Quality of a non-mass produced system in function of its costs [large scale power system construction] 4—34056

Babary, J.P. *see* Souza Leao, J. 4—29501

Babary, J.-P., Lopes de Souza Leao, J. Modelling and numerical simulation of an epitaxial reactor 4—58033

Babb, J.D., Silva, A.J. An in situ vane system for measuring deep sea sediment shear strength 4—61977

Babbar, R. *see* Mehta, S. 4—58991

Babbitt, W.R. *see* Carlson, N.W. 4—42707

Babbs, C.F. *see* Niebauer, M.J. 4—44767

Babcock, A.S., III, Braidt, J.W. Microprocessor/dynamic memory synchronizer 4—35753

Babenko, A.E. *see* Alimbek, B.B. 4—52449

Babenko, A.I., Zaitsev, E.F., Nuzhin, V.K. The effect of random phase errors on loss inherent noise of phased antenna arrays 4—31784

Babenko, F.M., Ishchenko, L.A., Pestryakov, V.A., Filippov, I.F. Optimal design of the cryostat for the rotor of a cryoturbogenerator 4—62491

Baberschke, K., Bures, K.D., Barnes, S.E. ESR in situ with a Josephson tunnel junction 4—47223

Babic, B. Newton's procedure for calculation of load flows and voltage states in the electric power systems applied in four types of power network equations 4—56547

Babich, A.A. *see* Tsymbal, V.P. 4—48238

Babich, E. *see* Praszczak, J. 4—36368

Babich, V.M., Baran, N.P., Borblik, V.L., Dotsenko, Yu.P., Kovalchuk, V.B., Shershel, V.A. Specific features of piezogalvanomagnetic effects in oxygen-containing silicon crystals in the presence of thermal donors-I and -II 4—58720

Babich, V.M. *see* Baranskii, P.I. 4—36256

Babij, T.M., Balzano, Q., Manning, T.J. Measurement of the magnetic field very close to an RF source 4—61511

Babij, T.M. *see* Balzano, Q. 4—61843

Babikova, Yu.F., Kolpakov, N.S., Nilov, K.E., Shtan, I.I. Universal technique of determining the background in quantitative gamma-resonance spectroscopy 4—39494

Babilyus, V.V. *see* Ablozhyavichyus, I.P. 4—39959

Babilyus, V.V. *see* Ermankov, V.S. 4—62257

Babin, S.V. *see* D'yakonov, V.I. 4—31455

Babinov, M.B., Bazelyan, E.M. Surges in internal circuits of an object on propagation of lightning current and its casing 4—44797

Babiskin, R., Heaps, P. Benchmarking tools for packet networks 4—32432

Babkin, S.E. *see* Zakharov, V.A. 4—33271

Babu, S.R., Comstock, W.R., Kalkbrenner, F.W. Achieving complete turn-on in large-area thyristors 4—52080

Babu, V.Hari *see* Hari Babu, V.

Babusci, L.D. *see* Feder, D.O. 4—57335

Babus'Haq, R.F., Probert, S.D., Shilston, M.J., Talati, A. Suggested design improvements concerning district-heating pipeline configurations 4—56789

Babushkin, A.V. *see* Klinkova, L.A. 4—58008

Babuska, I., Vogelius, M. Feedback and adaptive finite element solution of one-dimensional boundary value problems 4—46200

Baca, A.M., Smolleck, H.A. Distribution transformer loss mechanisms and testing 4—49941

Bacal, M., Bruneteau, A.M. H^- production and destruction mechanisms in hydrogen low pressure discharges 4—44666

Bacal, M., Hillion, F., Nachman, M., Steckelmacher, W. Progress in developing a 'volume' hydrogen negative ion source 4—61648

Bacal, M., Leung, K.N. H^- density in a tandem multicusp discharge 4—44674

Bacauanu, M., Zamfir, P. Sound post-processing of video tape recording 4—48665

Baccarani, G., Wordeman, M.R., Dennard, R.H. Generalized scaling theory and its application to a 1/4 micrometer MOSFET design 4—36592

Bacchi, M.L. *see* Lamberti, C. 4—49250

Bacci, C., Bernabei, R., d'Angelo, S., Fuetta, C., Driscoll, C.M.H. Isothermal read-out for thermoluminescence dosimetry with $CaSo_4$:Dy (TLD-900) 4—39410

Bacci, C. *see* Di Castro, E. 4—61774

Bacevic, J., Jr. *see* Robinson, B. 4—61376

Bacewicz, R. *see* El-Halawany, S. 4—52769

Bach, J., Nickels, R. Flexible test systems cut costs and hike production-line turnarounds 4—44401

Bach, J.L. *see* de Fornel, B. 4—49886

Bach, M., Stegmaier, J., Rover, J. A versatile simulator of evoked potentials 4—39563

Bach, S. Problems connected with the exploitation of electric filters 4—53176

Bach, W. Mains power supplies for automatic test systems 4—29633

Bach, W. Signal analysis made to measure with FFT spectrum analysers 4—44479

Bachant, P.W. *see* Collett, R.E. 4—46045

Bachelier, P. International cash management on videotex 4—48161

Bachem, K.H. *see* Eisenbeiss, A. 4—51776

Bachem, K.-H. *see* Preier, H.M. 4—59501

Bacher, G.D. *see* Feinberg, J. 4—59556

Bacher, W., Reisinger K. Time-division multiplex ZD-A3 with control and service unit CSU 4—54517

Bachmacz, W., Pisarek, J. Displacement of surface by white speckle photography 4—33468

Bachmaier, A., Bogner, A. Medium voltage load circuit breakers, SF_6 insulated, proven in operation 4—62656

Bachmair, H. Application of microstructures in the precision electrical measuring technique 4—55635

Bachmann, A.E.J. A product/market project system 4—50389

Bachmann, H. Heat/power cogeneration in the chemical industry 4—35082

Bachmann, K.J. Growth of compound semiconductor photovoltaic materials 4—35461

Bachmann, P. *see* Ristici, M. 4—52915

Bachner, F.J. *see* Downey, P.M. 4—33300

Bachofner, P. *see* Trachsel, R. 4—60623

Bachrach, R.Z., Bringans, R.D., Hower, N., Lindau, I., Pate, B.B., Pianetta, P., Swartz, L.E., Tatchyn, R. Design process and modeling studies of SSRL beam line Wunder 4—56044

Bachstein, F. *see* Kopp, F. 4—61916

Bachus, E.-J., Bohnke, F., Elze, G., Eutin, W., Foisel, H., Heimes, K., Strebel, B. Digital transmission of TV signals with a fiber-optic heterodyne transmission system 4—54808

Backer, D.de *see* de Backer, D.

Backer, K.A. Speech recognition proves itself 4—43251

Backes, P., Becker, H.-J. Improvements in an administration building 4—45749

Backovsky, Z. *see* French, E.P. 4—40466

Backus, C.E. Photovoltaic technology assessment 4—42487

Backus, C.E. Principles of photovoltaic conversion 4—45665

Backus, W.D., Berliner, M.J. Waterblock seal assembly [for repeaters] 4—38649

Bacon, J. *see* Nuno, A.P. 4—55611

Bacon, W.H., Tobia, N. Integrated circuit implementation using gate array technology 4—29818

Bacquet, J.-M. *see* Blaesi, M. 4—40584

Bacsich, P. A viewdata operating system 4—48117

Bacvarov, D.C., Lee, C.L., Jackson, D.W. Effect of surge capacitor lead length on protection of motors from steep switching surges 4—56936

Baczynski, A., Dzwonkowski, M., Targowski, P. The influence of ignition method on laser output of pulsed hollow cathode copper ion laser 4—31320

Badach, A. Acknowledgment of the influence of the amount of information on the quality of communication protocols in computer networks 4—32402

Badach, A. Analytical performance evaluation of communication protocols for computer networks 4—54357

Badach, A., Wolfinger, B. Modeling of communication protocols for performance evaluation of acknowledgement strategies 4—60469

Badalamente, R.V. *see* Chockie, A.D. 4—62311

Badalov, A.Z., Guseinov, I.A. The electrical and photoelectrical properties of CdS-InP heterojunctions, obtained by chemical deposition from the vapour phase 4—51825

Badalyan, A.M., Kovalevskii, V.I., Saprykin, E.G., Sedel'nikov, A.P., Smirnov, G.I. Bichromatic Zeeman laser with nonlinear absorption 4—37287

Badami, A.V., Cannone, C.R., Dicastro, T.A., Dupuis, M.D. Improved coating procedure for silicon carbide on graphite susceptors used for silicon nitride deposition 4—51948

Badami, D.A., Bergendahl, A.S., Graves, B.L., Hakey, M.C., Knight, S.E., Willson, C.G. Skirt-free metalization and improved step coverage by using diazonaphthol quinone novolak resists in an image reversal process 4—36715

Badami, D.A., Haskins, M.K., LaVallee, P.I., McGinnis, M.S. Photoresist reflow reversal 4—41932

Badaoui, M. *see* Azzis, D. 4—50955

Badari Narayana, K., Bhandari, D.R., Murthy, H.N. Thermal network correction by simplex optimization 4—44813

Badawi, A. *see* Lusignan, B.B. 4—54558

Badawi, M.H. *see* Barker, G.K. 4—30089, 4—30119

Badazhkov, O.A., Ignatov, I.A., Mineev, R.V. Compensation for nonsinusoidal currents and voltages in circuits with nonlinear loads 4—41202

Badcock, C.C. *see* Bittner, H.F. 4—40400

Badelt, W., Hauser, S., Pillat, P. A microcomputer-based automated system supporting experiments in an air-conditioned test room 4—57583

Baden, J.M. *see* Cohen, M.N. 4—54878

Bader, K.Otto *see* Otto Bader, K.

Badertscher, R. The impact of next generation personal computers on the videotex business 4—54242

Badescu-Singureanu, A.I. *see* Ursu, I. 4—40507

Badewitz, R.C. *see* Ward, T.D. 4—38747

Badgerow, D.L. Developments in the inspection of joints by ultrasonics in polyethylene assemblies 4—58084

Badiali, M. *see* Charalambous, P.M. 4—39424

Badin, M. *see* Bogan, M. 4—57239

Badr, O., Lo, H. A conceptual design of fiber optics technique for measurement of temperature distributions of propagating flames 4—52679

Badreldin, A. *see* Shridhar, M. 4—60214

Baduk, G.V., Kustarev, A.K., Petkevich, I.V. Decreasing line brightness differences in black-and-white TV sets with synchronous demodulation 4—38815

Badulin, N.N., Batsula, A.P., Kulshen, Va.E.B., Lukyanov, S.P., Masalov, E.V., Tatarinov, V.N. Experimental investigation of anisotropy of radar signal scattering by clouds and precipitation 4—61921

Badyda, K. *see* Miller, A. 4—56825

Badziak, J., Galkowski, A., Kalbarczyk, A., Kurzynski, Z. Pumping process modelling in electrical discharges for CO_2 pulsed amplifiers: calculations and measurements 4—47422

Badzmirowski, K., Hejn, K. The measurement method for the high speed A/D converters 4—46525

Bae, Y.K., Coggiola, M.J., Peterson, J.R. A search for H_2^-, H_3^-, and other metastable negative ions 4—44672

Bae Chung Yi *see* Chung Yi Bae

Bae Jeong Ei *see* Jeong Ei Bae

Baechtiger, R. *see* Nyffeler, F.M. 4—52413

Baehring, M. *see* Kantz, D. 4—51244

Baek Je In *see* Je In Baek

Baek Young-Ki *see* Young-Ki Baek

Baer, G. *see* Deschamps, L. 4—62130

Baer, R. *see* Kino, G.S. 4—56366

Baer, R.L., Kino, G.S. Theory for cross coupling in ultrasonic transducer arrays 4—44928

Baeri, P., Campisano, S.U., Rimini, E., Jing Ping Zhang Time resolves temperature measurement of pulsed laser irradiated germanium by thin film thermocouple 4—58824

Baert, D., Simoens, H., Kuyken, H. Precision voltage to single-ended current source sidesteps CMRR problems 4—50936

Baerwolf, R.R. *see* Williams, F.H. 4—33743

Baesel, E.F. Cable fault locating instrument trailer improves efficiency 4—45117

Baev, B. *see* Zhelezov, Zh. 4—32473

Baez-Lopez, D. *see* Sarmiento, A. 4—41486

Bafleur, M., Munoz-Yague, A., Lauret, N., Brabant, J.C. Spatially resolved photoluminescence at oval defects in molecular beam epitaxial GaAs layers 4—35489

Bagade, S.D. Network approach to rural electrification 4—34112

Bagatin, M., Caldon, R., Gottardi, G. Economic optimization and sensitivity analysis of energy requirements in residential space heating 4—50232

Bagatta, U., Corradi, A.R., Flabbi, L., Salvioli, L. Lubrication of tapes with fluorocarbon (Fomblin) oils 4—30988

Bagchi, A.K. *see* Gupta, S.N. 4—58978

Bagchi, C.N., Gupta, P.N., Mandava, P.R. Deep-well water system control and monitoring in a nuclear power plant by telemetry and advanced instrumentation 4—34285

Bagchi, G. *see* Lee, A. 4—56743

Bagdasaryan, S.T., Zinevich, E.P. Angular resolution of wideband signals received by two closely spaced linear antenna arrays 4—53315

Bagdikian, B.H. *see* Lerner, E.J. 4—50364

Bagg, M.T., Johnson, K.I. Internal wave features in the northeast Atlantic as imaged by Seasat-SAR 4—56329

Baggen, M.J.H. *see* van Gemert, M.J.C. 4—33857

Baggenstos, H. *see* Hafner, C. 4—37517

Bagi, A. The Bode-plot of transfer functions of digital networks 4—41144

Baginskii, L.V., Leshchenko, V.M., Timofeev, I.P., Vorob'ev, I.B., Lenskii, A.A., Safronov, A.G. The interactions of star-connected current transformers with large active load under three-phase short-circuit conditions 4—49627

Baglee, D.A., Smayling, M.C., Duane, M.P., Itoh, M. Scaled LOCOS processes with reduced narrow width effects 4—58865

Baglee, D.A. *see* Duvvury, C. 4—36631

Bagley, P.P. *see* Blessing, G.V. 4—55782

Baglin, J.E.E. *see* White, C.W. 4—58878

Baglino, M. Using ATE in the design process shortens product-introduction cycle 4—35270

Bagnol, J. *see* Attal, J. 4—34002

Bagraev, N.T., Vlasenko, L.S., Gatsoev, K.A., Gorelenok, A.T., Kamanin, A.V., Mamutin, V.V., Pushnyi, B.V., Tibilov, V.K., Toparov, Yu.P., Shubin, A.E. Influence of rare-earth elements on the carrier mobility in epitaxial InP and InGaAs films 4—46820

Bagraev, N.T., Vlasenko, L.S., Volle, V.M., Voronkov, V.B., Grekhov, I.V., Karpov, Yu.A., Turovskii, B.M. Thermal stability of Czochralski-grown silicon crystals doped with rare-earth elements 4—58011

Bagramyan, A.G., Dolbakyan, A.E., Kalimanov, V.A. Unified coordinating system between telegraphy channels and computerized telecommunications centre 4—54139

Bagrov, A.M., Baikalov, P.I., Vasil'ev, A.V., Devyatykh, G.G., Dianov, E.M., Plotnichenko, V.G., Skripachev, I.V., Sysoev, V.K., Churbanov, M.F. Fiber waveguides for the middle infrared range made of As-S and As-Se glasses with optical losses below 1 dB/m 4—31147

Bagshaw, J.M., Willats, T.F. Anisotropic Bragg cells 4—60177

Bagshaw, J.M. *see* Hodkin, A.G. 4—52739

Bagshaw, N.E. The ultimate lead-acid battery 4—57319

Bagshaw, N.E., Bullough, R.P., Wolstenholme, T.M. Sealed recombination lead-acid cells for standby power 4—57333

Baguena, J. *see* Martin, G. 4—49262

Bagusat, A. *see* Anke, D. 4—33103

Bagwell, D.J., Considine, V. Intermodulation reduction in HF receivers using digital techniques 4—37685

Bagwell, J. *see* Santarpia, D. 4—38523

Bahadur, B. Liquid crystal displays 4—61467

Bahal, B.M., Fanger, H.-U. Comparison of the results of neutron flux and energy measurements with the predictions of theoretical calculations for a coaxial 14 MeV neutron tube 4—33601

Bahar, E., Fitzwater, M.A. Scattering cross sections for composite models of nonGaussian rough surfaces for which decorrelation implies statistical independence 4—53197

Bahcevanov, V.J., Bobev, S.I., Georgiev, G.I. ISOT 1009 C automated test for digital printed circuit board inspection and diagnosis 4—30170

Bahde, C., Burgel, K., Hahn, W. The 100th anniversary of power supply in Berlin 4—44976

Bahde, C., Meusel, S., Roper, P. Power supply for public transport in West Berlin 4—45696

Baher, H., Scanlan, S.O. Exact synthesis of band-pass switched-capacitor LDI ladder filters 4—46559

Baheti, R.S. A sub-optimal Kalman filter design for target tracking applications 4—48515

Bahk, S.Y. *see* Ushida, N. 4—56030

Bahl, I. *see* Ghosh, C. 4—58550

Bahl, L.R., Das, S.K., de Souza, P.V., Jelinek, F., Katz, S., Mercer, R.L., Picheny, M.A. Some experiments with large-vocabulary isolated-word sentence recognition 4—53546

Bahl, R. A blend of polytechnic-industry: production-cum-training centre 4—45849

Bahnas, Y.Z. Microprocessor based maximum power point tracker 4—34903

Bahnen, R.H., Koeller, K.H. Laser Doppler velocimeter for multicomponent measurements using an electro-optical modulator demonstrated for a two-component optical configuration 4—61588

Bahns, J.T., Stwalley, W.C. Observation of gain in the violet bands of sodium vapor 4—37289

Bahraman, A., Pocock, D.N. Monolithic 128×128 InSb FPAs for staring infrared imaging systems 4—39081

Bahramian, H. *see* Rathnam, S. 4—36628

Bahuguna, R.D., Mendoza-Santoyo, F. Simple rainbow-holographic technique for two-dimensional transparencies 4—59646

Bai, J.B., Barba, J., Scheinberg, N., Schilling, D.L. Walsh transform coding of NTSC composite color signals 4—37883

Bai, R.D., Brodovskii, V.N., Zhilin, A.S., Ivanov, E.S., Fel'dman, A.V., Chabanov, A.I. Pulsations in torque of asynchronous machine with short circuited rotor using frequency-current control 4—34673

Bai, V.Seshu *see* Seshu Bai, V.

Bai, Y. *see* Yodh, A.G. 4—52925

Bai, Y.S. *see* Carlson, N.W. 4—42707

Bai Hua *see* Qiu Chang-tao 4—56440

Bai Jian-dong *see* Wang De-ren 4—58514

Bai Jingzhi *see* Ma Jimao 4—49092

Bai Tongshuo A new operating reliability index for power system 4—56396

Bai Xiao-min, Yu Er-keng Optimization for unit commitment of electric power system by dynamic programming 4—49517

Bai Yuan-gen, Chao Jian-an, Ge Chui-an, Luo Ji-Kui A monolithic chroma processing circuit for color TV 4—44215

Bai-lin Ma *see* Ma Bai-lin

Baicoianu, D. *see* John, V.I. 4—57474

Baidikova, L.V. *see* Ignatenko, P.I. 4—41049

Baidoha, L.N. *see* Torchinskaya, T.V. 4—51552

Baier, A. A low-cost digital matched filter for arbitrary constant-envelope spread-spectrum waveforms 4—46576

Baier, A., Baier, P.W. Digital matched filtering of arbitrary spread-spectrum waveforms using correlators with binary quantization 4—32656

Baier, E., Clemen, R., Haug, W., Fischer, W., Mueller, R., Leohlein, W., Barsuhn, H. A 256K NMOS DRAM 4—51245

Baier, H., Kallmeyer, M., Pfeffer, E., Schneiderhan, M. Impact-free, time-saving, nonovershooting position control [for semiconductor wafers] 4—30489

Baier, H., Koepp, P., Pfeffer, E., Reimann, H.P., Schneiderhan, M. Two-dimensional convolution processor 4—31955

Baier, P.W. *see* Baier, A. 4—32656

Baier, W. Radio reception from space 4—38798

Baier, W. Microelectronics invade the garage: computers take over cars 4—57489

Baierl, R., Klatt, K. An advanced model of a transistor oscillator 4—41231

Baihui Gan *see* Gan Baihui

Baijun Hu *see* Hu Baijun

Baikalov, P.I. *see* Bagrov, A.M. 4—31147

Baikov, V.D., Kryc', A.I. Bipolar unswitched logic arrays—universal basic element for functional expanders for calculating elementary functions 4—46436

Bailbe, J.P., Marty, A., Rey, G. Influence of degeneracy on behaviour of homojunction GaAs bipolar transistor 4—30601

Bailer, P. *see* Frank, F. 4—49301

Bailes, P. *see* Hart, R. 4—54056

Bailey, A.G. *see* Law, S.E. 4—53184

Bailey, C.K. Initiating a pre-college career awareness program 4—40744

Bailey, D. Static power-conversion today (and tomorrow?) 4—57164

Bailey, D.C. *see* Ushida, N. 4—56030

Bailey, G.C., Matthews, K., Niblack, C.A. Operation of integrating indium antimonide linear arrays at 65K and below 4—61374

Bailey, J.A., Ramirez, A.M. Improved method for biasing a magnetoresistive element 4—52456

Bailey, J.C. *see* Johnson, D.H. 4—34829

Bailey, K.A. *see* Richardson, R.W. 4—34777

Bailey, L.G. *see* Harper, J.G. 4—58980

Bailey, M.C. Broad-band half-wave dipole [antenna] 4—47695

Bailey, P. Controller for model traffic lights 4—30048

Bailey, P.G. *see* Lowenstein, W.B. 4—56784

Bailey, R. The Middle East: a decade of progress [telecommunications development] 4—60314

Bailey, S. *see* Giannotti, J.G. 4—62468

Bailey, S.J. Multiplexing and conditioning guard signal quality for control decision 4—39084

Bailey, T.A. *see* Freude, W. 4—44606

Bailey, W.A. The new E60C high efficiency electric locomotive for heavy duty service 4—57481

Baillie, A. *see* Shoamanesh, A. 4—32764

Baillieul, J., Levi, M. Dynamics of rotating flexible structures [space vehicles] 4—49345

Bailly, B. *see* Krawczyk, S. 4—30323

Bailly, M. *see* Neel, L. 4—55219

Baily, S. F^3 standardization—does it work? 4—49423
Bain, A. *see* Houlihan, J.F. 4—34823
Bain, A.N. *see* Pollock, R.J. 4—34824
Bain, D.K.S. *see* Hensman, G.O. 4—49533
Bain, J.M. *see* Grant, A.A. 4—45352
Baines, R.W., Black, A.R., Leonard, R. The systematic implementation of a quality assurance programme: a case study 4—45993
Bainier, C. *see* Aebischer, N. 4—37481
Bair, C.H. *see* Hess, R.V. 4—56287
Bairamov, G.M. *see* Aliev, D.F. 4—37178
Baird, A. Information processing [communication links, management network] 4—48213
Baird, A.W., Johnson, R.A., Chaurette, W.F., Maloney, W.T. Measurements and self-consistent calculations of the magnetic fields near a perpendicular medium 4—47185
Baird, C.A. Performance analysis of elevation map referenced navigation systems 4—44192
Baird, H.S., Lurie, M. Precise robotic assembly using vision in the hand 4—55086
Baird, J.D. Noninvasive ultrasonic phase-shift flowmeter 4—55764
Baird, J.D. Innovations in magnetic flowmetering 4—55765
Baird, J.M. *see* Lau, Y.Y. 4—36214
Baird, N., Jansen, H. Electronic means: diversified development in Europe and North America 4—43700
Baird, P.E.G. *see* Foot, C.J. 4—47510
Baishiki, R.S. *see* Dawalibi, F. 4—56671
Baishya, B. *see* Deka, P.K. 4—30633
Baitch, T. Trends and developments in HV and MV switchgear 4—40344
Baitch, T.L. Mounting arrangements of electrical motors 4—34567
Baitch, T.L. Selecting electrical variable speed drives 4—34964
Baixeras, C. *see* Domingo, C. 4—55859
Baixeras, C. *see* Vidal-Quadras, A. 4—55974
Baixeras, J. *see* Arene, E. 4—58746
Baixeras, J. *see* Longeaud, C. 4—30358
Baj, M. *see* Brummell, M.A. 4—51850
Baj, M. *see* Kadri, A. 4—30335
Bajaj, K.K. *see* Singh, J. 4—50768
Bajbar, J. *see* Majek, S. 4—49025
Bajcsy, J. Some problems of using microcomputers in measurement 4—48694
Bajcsy, J., Kovac, K. Measuring instruments and systems using microcomputers 4—33101
Bajenesco, T.I. Light emitting diodes and their reliability problems 4—39248
Bajenesco, T.I. RAM memories: what reliability? 4—51225
Bajenescu, T.I. Reliability of optoelectronic semiconductor components 4—31249
Bajenescu, T.I. Reliability problems with semiconductor memories and microprocessors. I 4—41342
Bajenescu, T.I. Reliability problems of semiconductor stores and microprocessors 4—57871
Bajenescu, T.I. μP testing—aspects of the reliability of microprocessors 4—58360
Baji, T. *see* Yamamoto, H. 4—44450
Bajon, J. *see* Favreau, M. 4—47915
Bajor, G. *see* Barnett, S.A. 4—41958
Bajurski, W. Experience in the use of the central E-10 system in the Lodz telecommunication system 4—43893
Bakanov, V.I., Zhelbakov, I.N., Popov, V.S. Measuring transducer for AC voltage with a microcomputer 4—33270
Bakeman, P. *see* Scheuerlein, R.E. 4—51248
Bakeman, P.E. Elimination of electrical charging during processing operations 4—46907
Bakeman, P.E., Jr., Quinn, R.M. Process for making N-well regions self-aligned to field regions in CMOS 4—52296
Baker, A., Mielke, N. Detecting quality and reliability defects in EPROMs 4—35796
Baker, B. Effects of a sublayer on readback from a vertical film 4—31008
Baker, C.C. *see* Voss, T.J. 4—45241
Baker, C.J., Hall, D.R., Davies, A.R. Electron energy distributions, transport coefficients and electron excitation rates for RF excited CO_2 lasers 4—52906
Baker, C.J. *see* He, D. 4—42529
Baker, C.R. Capacity of mismatched Gaussian channels 4—47720
Baker, C.R., Gualtierotti, A.F. Discrimination with respect of a Gaussian process 4—43373
Baker, C.R., Gualtierotti, A.F. Detection of non-Gaussian signals 4—47886
Baker, C.W. Radiochemical techniques for determining some naturally occurring radionuclides in marine environmental materials 4—56002
Baker, D.J., Ephremides, A., Flynn, J.A. The design and simulation of a mobile radio network with distributed control 4—38475
Baker, D.W., Hurley, C.W. On-site calibration of flow metering systems installed in buildings 4—55758
Baker, G. Pyroelectric detectors for intruder alarms 4—55465
Baker, G.A., Jr. Invariance properties in Hermite-Pade approximation theory 4—50710
Baker, J.E. *see* Banerjee, S.K. 4—41942
Baker, J.K., Baker, J.M., Roth, R., Bamberg, P.G. Cost-effective speech processing 4—53513
Baker, J.M., Magerlein, J.H. Use of TiO_x to improve adhesion of polymer films to metals 4—46737
Baker, J.M. *see* Baker, J.K. 4—53513
Baker, K. *see* Varma, P. 4—51250
Baker, K.M., Owens, G.R., Wasko, E.A. Electrically locatable connector socket 4—46731
Baker, P.D.W. Optical fibres in the industrial and commercial environment 4—44075
Baker, R. Fire and security—the state of the art 4—40796
Baker, R., Deacon, J. The behaviour of turbine, vortex and electromagnetic flowmeters 4—44531
Baker, R. *see* Guth, G. 4—57140
Baker, S. Aerospatiale: reaching for a world market [satellites] 4—40839
Baker, S. Ariane: launching into the future 4—40896
Baker, S. Profits in the heavens [satellite communications] 4—44026
Baker, S. Tele-X-tra [communications satellite] 4—48427
Baker, S. The other North Americans [Canada's cable systems] 4—48597
Baker, S. Nationalised industries' overseas consultancies 4—50408
Baker, S. Esselte: Swedes come to the Low Countries [pay-TV] 4—60755
Baker, S. RTL—boom or bust? [DBS via the French TDF-1] 4—60758
Baker, S. The cabling of Paris 4—61059
Baker, S.C., Reichard, R.E. Robotic electronic assembly 4—50490
Baker, S.I., Carrigan, R.A., Jr., Crawford, C., Toohig, T.E., Gibson, W.M., Jin, H., Kim, I.-J., Pisharody, M., Salman, S., Sun, C.R., Wang, G.H., Wijayawardana, R., Forster, J.S., Hatton, H., Mitchell, I.V., Guzik, Z., Nigmanov, T.S., Tsyganov, E.N., Avdeichikov, V.V., Ellison, J.A., Siffert, P. Deflection of charged particles in the hundred GeV regime using channeling in best single crystals 4—33727
Bakeshloo, A.A. *see* Rahimi, A. 4—34262
Bakhanov, V.A. *see* Altshuler, G.B. 4—42323
Bakhshi-Zade, V.A. *see* Aristov, E.A. 4—33725, 4—56065
Bakhtin, Yu.A. Improving the durability of the tools of blanking presses 4—45798
Bakhtizin, R.Z., Gots, S.S., Sushko, B.K. An automatic instrument for investigating relaxation processes in dielectrics 4—33435
Bakhvalov, N.S. *see* Esepkina, N.A. 4—32887
Bakhvalov, Yu.A. *see* Arkhipov, A.N. 4—62524
Bakin, D.V. *see* Angelov, A.K. 4—42385
Bakirtzis, A.G. *see* Meliopoulos, A.P. 4—45012, 4—50351
Bakker, G.W., Roulston, D.J., Ettonkhy, A.A. Effective recombination velocity of polysilicon contacts for bipolar transistors 4—52065
Bakker, J.M.T.de *see* de Bakker, J.M.T.
Bakker, W.H. *see* Reiber, J.H.C. 4—39548
Baklanov, S.B. *see* Gurin, N.T. 4—39225
Bakoglu, H.B., Meindl, J.D. Optimal interconnect circuits for VLSI 4—52235
Bakowsky, L. *see* Beyer, E. 4—59663
Bakowsky, L. *see* Loosen, P. 4—31538
Bakry, S.H. Simulation tools for the investigation of mobile radio telephone traffic problems 4—43991
Bakry, S.H. *see* De Boer, J. 4—38158
Baksheev, V.G. *see* Panin, V.I. 4—34007
Baktash, C. *see* Johnson, N.R. 4—33696
Bakulin, Yu.P., Chuklyaev, S.V. Detector with a hydrogen-containing scatterer 4—39455
Bakut, P.A., Loginov, V.A., Maistrenko, G.I. Optimization of processing optical signals in incoherent detection 4—38643
Bakut, P.A., Matveev, I.N., Ryakhin, A.D., Sviridov, K.N., Ustinov, N.D. Precision of reconstruction of the phase of the spatial spectrum of an object from its speckle interferograms 4—60221
Bala, R. *see* Kapur, P.K. 4—57875
Balaban, H.S., Kowalski, R.A. Field data: the final measure 4—46034
Balaban, P., Shanmugan, K.S., Stuck, B.W. Computer-aided modelling, analysis, and design of communication systems: introduction and issue overview 4—38431
Balabanov, A.A., Lisova, M.F. Vector voltmeter 4—55540
Balabanski, D. *see* Vapirev, E.I. 4—33654
Balaberda, R. *see* Aitken, G.J.M. 4—31182
Balabonov, I.G. Automatic temperature control system for distillate in high utilization generators 4—34592
Balabrahmanandam, M. *see* Banerjee, S. 4—30636
Balaceanu, M., Dinu, L., Popovici, C. Determination of the cathode geometry of a glow discharge electron gun as a function of the space distribution of the electron beam 4—46759
Balachandra, S.H. Reliability improvement by FMEA 4—46017
Balachandran, T.K. *see* Blair, E.L. 4—45987
Balakanski, M. *see* Eddrief, M. 4—58042
Balakier, G., Dobkowski, J., Jesionek, J. The influence of the phase composition on the parameters of luminescence and on EPR spectrum of ZnS:Ag phosphor 4—42470
Balakrishnan, K. *see* Yaseen, P.A.M. 4—38549
Balakrishnan, R.V. Circuit modules for Ethernet/Cheapernet 4—48227
Balakrishnan, R.V. Transceiver and serial interface ICs put personal computers on budget LAN 4—60505
Balakrishnan, R.V. *see* Theus, J. 4—51354
Balamuth, D.P. *see* Wells, W.K. 4—55833
Balan, N.M., Vykhodets, A.V., Denisov, V.I., Korolkov, V.V., Rabinovich, G.V. The effectiveness of methods for the partial neutralization of distortion when transmitting a digital sound broadcasting signal 4—31819
Balandin, Yu.P., Birynkov, V.F., Labutin, G.I. Approximation for characteristic bases for linear distortion operators for the solution of multidimensional inverse problems in measurement technology 4—61163
Balanescu, A. 3 μ CMOS makes microcomputers faster 4—41375
Balas, E., Mazzola, J.B. Nonlinear 0-1 programming. I. Linearization techniques 4—50696
Balas, E., Mazzola, J.B. Nonlinear 0-1 programming. II. Dominance relations and algorithms 4—50697
Balascio, J.F., Lias, N.C. Standard characterization methods for the determination of the quality of hydrothermally grown quartz 4—30851
Balasko, M. *see* Pardavi-Horvath, M. 4—37004
Balasubramaniam, T.A *see* Merriam, R.L. 4—40624
Balasubramanian, K. On a versatile digital music synthesizer 4—61136
Balasubramanian, K., Gunasekaran, S., Rajappan, K.P. Power-factor measurement using a microprocessor 4—39953
Balasubramanian, R. *see* Rao, N.D. 4—34101
Balasubramanian, R. *see* Tripathy, S.C. 4—34606
Balasubramanian, V., Ray, S. Kinetics of growth of Nb_3Sn by bronze route process—a model calculation 4—58055
Balasubramonian, K., Gunasekaran, S., Rajappan, K.P., Nithiyanandam, N. Analysis of selected volumetric 3-D imaging systems 4—44429
Balasubramonian, K., Rajappan, K.P. Volume scanning techniques for real-time transmission of three-dimensional images 4—32951
Balasubramonian, K., Rajappan, K.P. A 3-D viewing system [colour TV] 4—32952
Balasubramonian, K., Rajappan, K.P. Compatible 3-D television: the state of the art 4—44233
Balazs, P., Szabo, B., Szeder, L. Interactive methods for network design 4—56382
Balbo, N. *see* Benoit, J. 4—47355
Balcazar-Garcia, M., Chavez, A. A modified version of a spark counter for α-spectroscopy 4—55820
Balcazar-Garcia, M. *see* Lira, J. 4—55905
Balcazar-Garcia, M. *see* Peralta-Fabi, R. 4—55908
Balcazar-Garcia, M. *see* Perez-Preaza, J. 4—55886
Balch, E.W. *see* Griffing, B.F. 4—58837
Balch, J.W., Current, K.W., Magnuson, W.G., Jr., Pocha, M.D. Introducing gate arrays to design engineers 4—58249
Balchev, N.A. *see* Kolentsov, K.M. 4—42458
Bald, M. Power generation costs—a simplified account for a better understanding of their evaluation 4—35221
Baldacchini, G. *see* Meucci, M. 4—59485
Baldakov, V.F. *see* Troitskii, V.A. 4—29549
Balde, J.W. As packaging density increases, focus shifts to SSI and MSI chips 4—58960
Balderston, M. Technology, policy, needs and dollars: conflicting pressures in rural and remote telecommunications 4—32151
Baldino, F.X., Bellows, J.C., Richards, J.E., Seth, B.B., Jackson, W.M. Air inleakage control in power plants 4—49674
Baldo, J.A. Thermovision used for nondestructive testing of solar panels 4—55474
Baldwin, D.G. *see* Arrillaga, J. 4—62603
Baldwin, D.T., Wood, R.J., Manning, R.E., O'Callaghan, P.W. Energy cascading combined with thermal energy storage in industry 4—40637
Baldwin, E.E. *see* Andrews, J.R. 4—39205
Baldwin, G.C. Multistep pumping schemes for short-wave lasers 4—52865
Baldwin, G.L. *see* Kwong, E.C. 4—58159
Baldwin, J.L.E. Channel codes for digital video recording 4—44288
Baldwin, K. *see* Stormer, H.L. 4—42046
Baldwin, S. Fibre-optic termination techniques 4—47248
Balega, Yu.Yu., Somov, N.N., Fomenko, A.F. A television speckle interferometer with real-time digital image processing 4—32986
Bales, M. *see* Sanders, A. 4—36761
Bales, R. Embedded microprocessor enhances an instrument's versatility 4—55309
Bales, S.L., Neuschafer, G.F. US Navy activities in ocean wave measurement and prediction 4—56332
Balestrino, A., De Maria, G., Sciavicco, L. Adaptive control design in servosystems 4—57405

Balfour, J. *see* Hutchison, D. 4—38270
Bali, L.M. *see* Pandya, T.P. 4—42502
Bali, Y.P. *see* Karale, R.L. 4—61997
Baliga, B.B. *see* Chaudhuri, B. 4—33773
Baliga, B.J. The pinch rectifier; a low-forward-drop high-speed power diode 4—46995
Baliga, B.J., Adler, M.S., Gray, P.V., Love, R.P. Suppressing latchup in insulated gate transistors 4—58910
Baliga, B.J., Adler, M.S., Love, R.P., Gray, P.V., Zommer, N.D. The insulated gate transistor: a new three-terminal MOS-controlled bipolar power device 4—47010
Baliga, B.J., Chang, M., Shafer, P., Smith, M.W. The insulated-gate transistor (IGT)—a new power switching device 4—52141
Baliga, B.J. *see* Ashok, S. 4—58898
Baliga, B.J. *see* Campbell, P.M. 4—46809
Baliga, B.J. *see* Chang, M.F. 4—36619
Baliga, B.J. *see* Sears, A.R. 4—36544
Balk, L.J., Elsbrock, J.B. Investigation of magnetic structures with the scanning electron microscope 4—55646
Balk, L.J. *see* Elsbrock, J.B. 4—55645
Balk, P. Electronic conduction and trapping in MIS systems with multilayer dielectric 4—30458
Balk, P. *see* DoThanh, L. 4—30461
Balk, P. *see* Jurgensen, H. 4—29493
Balk, P. *see* Reuters, P.J. 4—46884
Balkan, E. Communicating with your computer 4—32179
Balkarei, Yu.I. *see* Rzhanov, A.V. 4—36246
Ball, A.A., Storry, D.J.T. Recursively generated B-spline surfaces 4—57932
Ball, C.A.B., van der Merwe, J.H. The growth of dislocation-free layers 4—50791
Ball, D. *see* Preier, H.M. 4—59501
Ball, J.B. *see* Jones, C.M. 4—33558
Ball, J.B. *see* Young, G.R. 4—39379
Ball, K. Remote multichannel data acquisition system 4—55293
Ball, K. 8085 bus multiplexer for troubleshooting prototype boards 4—58244
Ball, T., Capper, H. Flexible flat circuitry requires a sound interconnection system 4—58600
Balla, M. *see* Sterk, E. 4—42239
Ballad, J.P. *see* Gibson, H. 4—47021
Balladore, J.L. *see* Martinez, J.P. 4—52026
Ballagh, R.J. *see* Tai, K. 4—42708
Ballance, J.W. A low-cost TDM/TDMA subsystem for point-to-multipoint local distribution 4—38455
Ballance, J.W. *see* Hewitt, M.T.H. 4—60677
Ballantyne, J.M. *see* Fletcher, R.M. 4—42489
Ballantyne, J.M. *see* von Lehmen, A. 4—59333
Ballard, D.H. Parameter nets 4—43402
Ballard, W.W., Jr. *see* Bennett, J.W. 4—40014
Ballato, A. *see* Hatch, E.R. 4—52363
Ballato, A. *see* Mizan, M. 4—30891
Ballato, A. *see* Sinha, B.K. 4—30932
Baller, H.H. VLSI/software engineering design methodology 4—52245
Ballering, H. *see* Lorenz, G. 4—54024
Bailey, V., Bruppacher, F., Fischer, H., Nordhof, J. Gas turbines plus load management cut power costs in subtropical countries 4—56854
Balliet, L. Offset compensation for balanced signal communication zero-crossing threshold detector 4—35991
Balliet, L., Coffman, D., Riggio, S.R., Jr. Wand-type bar code reader 4—55320
Balliet, L., Couden, D.V. Optical data transmission security system 4—44119
Balliet, L., Gupta, O. Fiber-optic loop bypass via dual source coupling 4—48479
Balliet, L., Riggio, S.R., Jr. High performance LED driver 4—58148
Ballinger, D. *see* McGrath, M. 4—43868
Ballisti, R. *see* Hafner, C. 4—37517
Ballman, A.A. *see* Glass, A.M. 4—42694
Ballman, A.A. *see* Schwartz, G.P. 4—51991
Balls, B.W. *see* Wilkinson, J.A. 4—62879
Ballweber, B. *see* Schalk, M. 4—56771
Bally, G.von *see* von Bally, G.
Balmain, K.G. *see* Kavanagh, S.J. 4—53212
Balmain, K.G. *see* Tilston, M.A. 4—53213, 4—59745
Balmain, K.G. *see* Tranquilla, J.M. 4—31788
Balodis, Ya.K. *see* Dzelme, B.M. 4—51834
Balogh, G. Studio control soundradiators 4—38950
Baltakhhanov, A.M., Bondaletov, V.N. Selecting inductor thickness in induction-dynamic systems 4—59709
Bal'ter, S.A. *see* Vainberg, M.Sh. 4—56174
Baltes, H.P., Andor, L., Nathan, A., Schmidt-Weinmar, H.G. Two-dimensional numerical analysis of a silicon magnetic field sensor 4—52046
Baltes, H.P. *see* Andor, L. 4—36532
Baltes, H.P. *see* Popovic, R.S. 4—39151
Balteschwiler, M. The TELSI test concept [semiconductor components testing] 4—58884
Baltrameyunas, R., Gashka, R., Kuokshtis, E., Sinyus, Ya. Laser and thermal annealing of thin lead sulfide films 4—30393
Baltrunas, I.I., Shlyazhas, V.-I. V. Investigation on non-linear autoregression stochastic processes in the parametric model class. IV. Experimental results and identification features 4—35361
Baltzer, P. *see* Norell, K.E. 4—51065
Balvers, A.P. Digital data-processing and EMC: some limiting designs 4—37606
Balwe, T.K., Nagarkar, V.V., David, S.K. Optimization of gamma-ray converter for high-density multiwire proportional chamber 4—33730
Balyoz, J., Cavaliere, J.R., Denis, B.A., Ho, B.K. Personalizable multi-power driver circuit 4—29974
Balyoz, J., Dansky, A.H. Microwatt current-controlled gate circuit using switchable bypass network 4—29789
Balza, J.J., Wenzel, H.M., Willits, J.L. A local area network for the HP 9000 Series 500 computers 4—32386
Balzano, Q., Garay, O., Babij, T.M. RF energy deposition in operators of a portable data terminal 4—61843
Balzano, Q. *see* Babij, T.M. 4—61511
Balzano, Q. *see* Garay, O. 4—59854
Balzer, B. *see* Mostow, J. 4—42112, 4—52256
Balzer, G. Calculating the course of transient voltage in transformers 4—57107
Balzer, L.A. Problems, possible solutions and lessons from British manufacturing engineering—an outsider's analysis 4—29181
Balzer, L.A. Engineering management—the Australian experience. A survey of the needs and a proposal for training action 4—50392
Bambara, M. *see* Angeleri, E. 4—38171
Bamberg, P.G. *see* Baker, J.K. 4—53513
Bamberger, A. *see* Arefiev, A. 4—55843
Bamberger, A. *see* Artemiev, V. 4—61684
Bambini, A., Stenholm, S. Analysis of nonlinear response in a body dithered ring laser gyro 4—31415
Bambridge, T.B. *see* Suckling, C.W. 4—30064
Bame, S.J. *see* McComas, D.J. 4—39693
Bamford, S.G. Computerised data acquisition and control methods as related to mechanisms testing 4—48735
Bamler, R. *see* Hofer-Alfeis, J. 4—38053, 4—43425
Bammert, K., Johanning, J., Weidner, E. Instrumentation and measurement methods for the dynamic behaviour of the Oberhausen helium turbine plant 4—40133
Ban, D., Rodinis, D., Majeric, B., Bencun, J., Pavusek, V. The new series of HV induction motors 4—57017
Ban, E. *see* Anazawa, N. 4—36429
Ban, K. *see* Mizuno, T. 4—60427
Banakar, M.H., Ooi, B.T. Resonance in long distance radial transmission lines with static VAR compensation. I. Frequencies and mode shapes 4—56643
Banakar, M.H., Ooi, B.T. Resonance in long distance radial transmission lines with static VAR compensation. II. Supersynchronous limit 4—56644
Banas, E.C. *see* Chappell, C.D. 4—57850
Banatao, D. *see* Haung, H.-M. 4—51389
Bancroft, L.C. *see* Cole, G.R. 4—32978
Band, Y.B. Optical bistability in nonlinear media: an exact method of calculation 4—53068
Band, Y.B. *see* Harter, D.J. 4—53069
Band, Y.B *see* Horowitz, L. 4—47497
Bande, A., Bower, L. Telecommunications in Latin America: a changing marketplace 4—53992
Bandieri, E. *see* Marsan, A.M. 4—32138
Bandl, D. Reliability of transformers FOR industrial electronics devices 4—34709
Bandler, J.W., Chen, S.H., Daijavad, S. Proof and extension of general sensitivity formulas for lossless two-ports 4—41164
Bandler, J.W., Chen, S.H., Daijavad, S. Novel approach to multicoupled-cavity filter sensitivity and group delay computation 4—46548
Bandler, J.W., El-Kady, M.A. The complex adjoint approaches to network sensitivities 4—50917
Bandler, J.W., El-Kady, M.A. A generalized, complex adjoint approach to power network sensitivities 4—56474
Bandler, J.W. *see* Starzyk, J.A. 4—29599
Bando, H. *see* Ito, K. 4—45035
Bando, Y., Matsui, Y., Kitami, Y., Inomata, Y., Katsuhiko, I, Honda, T., Harada, Y. A 400 kV high resolution-analytical electron microscope newly constructed 4—51726
Bandoh, T. *see* Fukushima, T. 4—60174
Bandy, S. *see* Aebi, V. 4—42045
Bandyopadhyay, A.K. *see* Parthasarathy, G. 4—51741, 4—58744
Bandyopadhyay, S. *see* Bose, S.K. 4—54376
Bandyopadhyay, T.K., Chaudhuri, S.R. Photoelectrochemical characterization of sintered n-CdS pellet 4—46899
Bane, J.M., Jr., Sessions, M.H. A field performance test of the Sippican deep aircraft-deployed expendable bathythermograph 4—49475
Banerjee, H.D., Acharya, H.N., Dutta, S.K. On the growth morphology of solar-grade polysilicon prepared by zinc reduction of silicon tetrachloride 4—29439
Banerjee, I., Kroemer, H., Chung, D.W. Observation of phase separation in $(Ge_2)_x(GaAs)_{1-x}$ alloys grown by molecular beam epitaxy 4—29472
Banerjee, P., Abraham, J.A. MURPHY: a logic simulator for MOS VLSI circuits 4—36893
Banerjee, R., Ray, S., Barua, A.K. Properties of antimony doped vacuum evaporated CdS films 4—51790
Banerjee, S., Balabrahmanandam, M., Chakrabarti, N.B. Transient analysis of long-channel MOS devices using the finite-element method 4—30636
Banerjee, S.K., Lee, B., Baker, J.E., Reed, D.A., Streetman, B.G. Annealing of ion-implanted silicon-on-insulator films using a scanned graphite strip heater 4—41942
Banerjee, S.K., Reddi, B.R. Reliability calculations for electrical transmission systems on the basis of mean failure indices 4—56552
Banerjee, S.K., Tong, R.Y., Lee, B., DeJule, R.Y., Streetman, B.G., Lam, H.W. Implantation and annealing studies of laterally seeded recrystallized silicon on silicon dioxide 4—51987
Banerjee, S.K. *see* Ghosh, S.K. 4—61334
Banerjee, T.K. *see* Ghosh, S.K. 4—61334
Banfield, K.E. Power systems and reliability. I. Present-day systems 4—45500
Banford, H.M. *see* Siew, W.H. 4—59052
Bang Sung Yang *see* Sung Yang Bang
Bange, G. Present status of our transport electronics 4—40542
Bangert, E. *see* Remenyi, G. 4—51836
Bangert, E. *see* Wieck, A.D. 4—51896
Bangert, U., Belson, J., Wilson, I.H. Damage effects of ion/atom beam milling on MNOS $(Al/Si_3N_4/SiO_2/Si)$ capacitors 4—36345
Banic, G.M. *see* Dagenhart, W.K. 4—61643
Banihashemi, A.R. *see* Chiu, M.-Y. 4—43460
Banin, D.B. *see* Shcherbina, Yu.V. 4—45031
Banjo, O.P. *see* Lo, P.S.L. 4—31637
Bankaitis, H. Reliability and quality assurance in research and development 4—46016
Bankay, N. CMOS microprocessor systems 4—41364
Banker, D.C., Battista, M.A., Montegari, F.A., Norsworthy, J.P. Variable tracking transistor device 4—30575
Banker, D.C., Hannon, J.W., Montegari, F.A., Norsworthy, J.P. Driver circuit 4—29972
Banker, D.C., Montegari, F.A., Norsworthy, J.P. Current-limited inverter 4—29653
Banker, D.C., Montegari, F.A., Norsworthy, J.P. Driver-sequencing circuit 4—29741
Banker, D.C., Montegari, F.A., Norsworthy, J.P. Push-pull CLI driver 4—29971
Banker, R.D. Estimating most productive scale size using Data Envelopment Analysis 4—50386
Bankiewicz, R., Zieciak, R. Microcomputers interface circuits with measuring instruments 4—44415
Banks, M. Big and small CAD [Lambda system for IC design] 4—36727
Banks, M. Banks' statement: ring in the new 4—38188
Banks, M.J.J. Online detection of discharges in stator insulation 4—40206
Banks, P.M. *see* Raitt, W.J. 4—33919
Banlaki, P., Otto, S. Simple universal digital testing device 4—33113
Banlaki, P. *see* Hajdu, I. 4—51632
Banlaki, P. *see* Toth, E. 4—51633
Bann, T Powerful test system software provides extensive parametric measurement capability 4—48708
Bannaya, V.F., Gershenzon, E.M., Mel'nikov, A.P., Rabinovich, R.I., Trofimov, I.E. H^--like centers and delocalization of electrons in semiconductors 4—51765
Bannaya, V.F., Veselova, L.I., Gershenzon, E.M. Method for determination of the concentration of deep impurities in germanium 4—30312
Bannister, D. British Telecom—the politics of privatisation 4—54046
Bannister, J.J. *see* Gan Xu 4—37448, 4—42709
Bannister, P.R. New simplified formulas for ELF subsurface-to-subsurface propagation 4—59748
Bannister, P.R. ELF propagation update 4—59750
Bannister, P.R. Summary of ELF propagation validation system field strength measurements, 1976 to 1978 4—59751
Bannister, P.R. Summary of ELF propagation validation system effective noise measurements, 1976 to 1978 4—61517
Banno, H., Saito, S. Piezoelectric and dielectric properties of composites and synthetic rubber and $PbTiO_3$ or PZT 4—52330
Banno, J. *see* Mizumoto, T. 4—42241
Banon, L. *see* Drouet, G. 4—34617
Bansal, J.P. Inverting/non-inverting onchip CMOS line driver 4—30767
Bansal, R., Iskander, M.F., Lakhtakia, A. Comments on 'A new procedure for improving the solution stability and extending the frequency range of the EBCM' [and reply] 4—31626

Bansal, R. *see* Jain, F.C. 4—37740
Bantikov, V.S. *see* Gorelikov, N.I. 4—55549
Bantin, C., Richardson, R., Markhauser, F. Development of a new generation 6/4 GHz single circuit transportable Earth terminal 4—54652
Bantz, D.F., Evangelisti, C.J. Ultrasonic I/O device for distributed systems 4—32301
Banuelos, F. *see* Garcia-Fernandez, M.A. 4—49267
Bany, B. *see* Tesny, W. 4—44505
Banyard, S.A. *see* Lewis, K.L. 4—30330
Bao Borong, Chen Luona, Qian Heshing, Li Yanfei The preparation of ^{61}Cu 4—39397
Bao Zheng, Peng Xue-yu, Zhang Shou-hong A study of weather clutter rejection of MTD radar 4—48494
Bao Zongti *see* Xu Jisheng 4—60683
Bao-Dons Wen *see* Wen Bao-Dons
Bao-lin Zhang *see* Zhang Bao-lin
Bao-qian Chen *see* Chen Bao-qian
Baofu Zhang *see* Zhang Baofu
Baomu Wang *see* Wang Baomu
Baorong Su *see* Su Baorong
Baosheng Lu *see* Lu Baosheng
Baoyu Zheng *see* Zheng Baoyu
Baozeng Li *see* Li Baozeng
Bapat, D.R. *see* Premachandran, V. 4—51799
Bapna, S.C. *see* Ramachandran, C.K. 4—61870
Baptista, J.P.V.Poiares *see* Poiares Baptista, J.P.V.
Bar, G., Gehler, S. Placement method for computer-aided design of IC-mounted circuit boards 4—41687
Bar-Chaim, N., Lau, K.Y., Ury, I., Yariv, A. Monolithic optoelectronic integration of a GaAlAs laser, a field-effect transistor, and a photodiode 4—42405
Bar-Chaim, N., Lau, K.Y., Ury, I., Yariv, A. Gallium aluminum arsenide/gallium arsenide integrated optical repeater 4—54745
Bar-Chaim, N. *see* Lau, K.Y. 4—52960
Bar-Cohen, A., Rohsenow, W.M. Thermally optimum spacing of vertical, natural convection cooled, parallel plates 4—57835
Bar-Cohen, Y., Stubbs, D.A., Hoppe, W.C. Multiphase backing materials for piezoelectric broadband transducers 4—39755
Bar-David, I., Kaplan, G. Information rates of photon-limited overlapping pulse position modulation channels 4—47704
Bar-David, I. *see* Nordenberg, I. 4—47731
Bar-Itzhack, I.Y., Reiner, J., Oshman, J. Recursive attitude determination 4—39637
Bar-Joseph, I. *see* Hardy, A. 4—37463
Bar-Lev, A. Semiconductors and electronic devices. 2nd edition 4—29122
Bar-Lev, A. *see* Vortman, J. 4—61273
Bar-Ness, Y. *see* Messer, H. 4—35702
Bar-Ness, Y. *see* Yeh, C.C. 4—31793
Bar-Shalom, Y. *see* Birmiwal, K. 4—47890
Bar-Shalom, Y. *see* Chang, K.-C. 4—54849
Bar-Yehuda, R., Moran, S. On approximation problems related to the independent set and vertex cover problems 4—57916
Baraban, L., Israel, M., Kors, J.L. An interactive design rules checker 4—36788
Barabanov, I.R., Gavrin, V.N., Zakharov, Yu.I. Automated system of recording rare pulses of a proportional counter 4—33722
Barabanov, I.R., Gavrin, V.N., Zakharov, Yu.I., Zyabina, E.L. Measurement of the electron drift time in the electric field of a cylindrical proportional counter 4—39454
Barabash, L.I., Litovchenko, P.G., Tregub, A.I. Measurement of nonequilibrium carrier effective lifetime for semiconductor wafers 4—55629
Barabash, P.R., Cobbold, R.S.C. Basic limitations of ISFET and silicon pressure transducers: noise theory, models and device scaling 4—30884
Baracho, S. *see* Solana, J.M. 4—51159
Barakat, R. Photoelectron statistics for two independent, nonuniform random-phase sinusoids plus additive Gaussian noise with application to optical heterodyne detection 4—47728
Barakh, M.Ya. *see* Aleshchenko, O.M. 4—31978
Baram, Y., Margalit, M. Surface fitting by pseudo-potential functions 4—61895
Baran, N.P. *see* Babich, V.M. 4—58720
Baran, N.P. *see* Baranskii, P.I. 4—36256
Baran, W. Core magnet assembly with anisotropic Alnico permanent magnets 4—31024
Baran, W. Design calculations for coaxial synchronous couplings with permanent magnets 4—52469
Baranauskas, L.P., Geurkov, E.A. Calculation of total resistance in determining site of damage in overhead electric transmission lines [fault location] 4—39900
Baranenko, A.P. *see* Lushchaev, G.A. 4—33311
Baraniecki, A.Z. *see* Baraniecki, M.R. 4—53535
Baraniecki, M.R., Kumaresan, R., Baraniecki, A.Z., Shridhar, M. Multiprocessor system for speech processing and telecommunications 4—53535
Baranik, Yu.S. *see* Petukhov, V.I. 4—35627
Barannikov, A.L., Ganzherli, N.M., Gurevich, S.B., Konstantinov, V.B., Maurer, I.A., Pisarevskaya, S.A., Ryadinskii, B.F., Serebrov, A.A., Sobolev, V.N., Stolovitskii, V.M., Cheberyak, M.S., Chernykh, D.F. Holography in electrophoresis experiments on the Salyut-7 orbiting space station 4—37497
Barannikov, N.M. *see* Dvornikov, V.A. 4—39999
Baranoski, D. *see* Rowlands, J.A. 4—49145
Baranov, A.N., Konnikov, S.G., Popova, T.B., Umansky, V.E., Yakovlev, Yu.P. Liquid phase epitaxy of $Ga_{1-x}Al_xSb_{1-y}As_y$/GaSb and the effect of strain on phase equilibria 4—46227
Baranov, G.A. *see* Alekseev, I.A. 4—42560
Baranov, O.B., Godakov, S.S., Klyukvin, A.B., Mikhailutsa, E.V. Measuring apparatus for Hall EMF and conductivity in ion-doped semiconductor materials 4—48989
Baranov, V.Yu., Borisov, V.M., Vinokhodov, A.Yu., Vysikailo, F.I., Kiryukhin, Yu.B. Reasons for the fall in the output power of a pulse-periodic XeCl laser during its operation 4—42557
Baranov, V.Yu., Isakov, I.M., Leonov, A.G., Malyuta, D.D., Novobrantsev, I.V., Smakovskii, Yu.B., Strel'tsov, A.P. Effect of pumping conditions on infrared lasing in Ar:Xe mixtures 4—59450
Baranov, V.Yu., Vysikailo, F.I., Dem'yanov, A.V., Kochetov, I.V., Malyuta, D.D., Tolstov, V.F. Time-resolved spectral and energy characteristics of a pulsed nonchain HF laser 4—37310
Baranovic, M. *see* Baranovic, N. 4—34037
Baranovic, N., Baranovic, M. Maintenance strategy choice regarding system availability for known MTBF of telecontrol equipments 4—34037
Baranovskii, V.M. *see* Voitekh, A.A. 4—57023
Baranovskiy, A.L., Nemirko, A.P., Smirnov, A.V., Kalinichenko, A.N. A digital cardiomonitor for monitoring arrhythms on an electrocardiogram 4—39572
Baranowski, W. Electroplating of aluminium—aspects of a new technology 4—62853
Baranskii, P.I., Babich, V.M., Baran, N.P., Bugay, A.A., Dotsenko, Yu.P., Kovalchuk, V.B. The effect of heat treatment on compensated CZ silicon 4—36256
Barany, I., Furedi, Z. Mental poker with three or more players 4—57909
Baranyai, L. Digital multipoint teleconferencing for special service circuits 4—32994
Baranyi, A., Ladvanszky, J. On the stability of nonlinear two-port amplifiers 4—35656
Baranyi, A., Ladvanszky, J. On the stability of nonlinear amplifiers 4—46354
Baras, J.S. Simultaneous detection and estimation for diffusion process signals 4—43378
Baras, J.S., Dorsey, A.J., Makowski, A.M. Two competing queues with linear costs: the μc-rule is often optimal 4—46086
Barash, V.Ya., Reznikov, A.L. Standard vibrators in metrological certification of contact means of roughness measurement 4—55774
Barashko, A.S. Algorithm for generating a regular sequence for checking faulty condition of synchronous sequential circuits 4—46408
Baratka, S. Metal contacts of MIS photovoltaic structures 4—59347
Baratka, S., Ruzinsky, M. New developments is solar cells with mirror back surface 4—50064
Baraton, M.I. *see* Gerbier, M.M. 4—31093
Baraulya, V.I., Maiorov, A.P., Makukha, V.K., Smirnov, V.A., Tarasov, V.M. Tunable dye jet laser pumped synchronously by the second harmonic of a YAG:Nd laser 4—31346
Barazesh, B. *see* Allan, R.N. 4—34125
Barba, J. *see* Azpilicueta, J. 4—49277
Barba, J. *see* Bai, J.B. 4—37883
Barba, J. *see* Scheinberg, N. 4—53376
Barba, M.D. *see* Audone, B. 4—33116
Barbagelata, N.A. Training of technical staff in Argentina 4—40734
Barbarello, J.J. Technology insertion initiative for fielded US Army communications electronics equipments 4—47957
Barbareschi, L. *see* Charalambous, P.M. 4—39424
Barbari, G. UHF preamplifier centers on budget dual-gate FET 4—43932
Barbarino, A. *see* Fortuna, L. 4—34503
Barbarino, G.C. *see* Biagini, M. 4—47384
Barbashov, V.M. *see* Astvatsatur'yan, E.R. 4—33717
Barbaste, R. *see* Leotin, J. 4—37203
Barbati, C. *see* Marsan, A.M. 4—32138
Barbato, M., Ricci, P., Schiavi, A. Design and realization aspects of the Enel control system 4—56386
Barbeau, L.C., Corinthios, M.J. A tutorial on the construction and operation of a high- quality audio conversion system 4—53449
Barbee, S.G. LPCVD of polysilicon by hydrogen reduction of dichlorosilane 4—35456
Barbee, S.G., Devine, G.P., Gaind, A.K. Flat plate with large perimeter design for LPCVD 4—58045
Barbee, S.G., Devine, G.P., Hearn, E. Cylindrical sleeve technique for improved single wafer uniformity in LPCVD processes 4—36406
Barbee, T.W. *see* Pianetta, P. 4—52156
Barbee, T.W., Jr., Keith, D.L., Nagel, L., Tiller, W.A. Controlled reactive sputter synthesis of refractory oxides. SiO_x, the silicon-oxygen system 4—29530
Barber, B.C. Some properties of SAR speckle 4—44155
Barber, G.C. *see* Dagenhart, W.K. 4—61643
Barber, H.B., Barrett, H.H., Wild, W.J., Woolfenden, J.M. Development of small in-vivo imaging probes for tumor detection 4—33811
Barber, J.P., Bauer, D.P. Switching for electric rail guns 4—42801
Barber, J.P. *see* Bauer, D.P. 4—42819
Barber, N.T. Benefits of using brushless drives on high-performance robots 4—57438
Barber, R.J. Telecommunications facilities in the Pacific—the coming abundance 4—32150
Barber, R.J. *see* Morash, R.T. 4—34631
Barber, S. Cofrequency cross-polarized operation of a 91 Mbit/s digital radio 4—32636
Barber, S. Photon counting with avalanche photodiodes 4—39339
Barberis, G., Brignolo, R. Capacity allocation in a DAMA satellite system 4—44020
Barberis, G., Calabrese, M., Lambarelli, L., Roffinella, D. Coded speech in packet-switched networks: models and experiments 4—32081
Barberis, G., Calabrese, M., Lambarelli, L., Roffinella, D. Coded speech in packet switched networks: models and experiments 4—43489
Barberis, N., Zilani, M., Gabriel, C. Design and development of the INTELSAT V graphite-epoxy central thrust tube 4—33917
Barbero, G. *see* Simoni, F. 4—42426
Barbero, M. C-MAC/packet system for direct satellite-broadcast: coding and multiplexing of sound signals 4—54930
Barbero, V., Dal Mut, G., Grigoli, G., Santamaria, M. Axisymmetric analysis and experimental measurements of magnetic field in the end region of a turbine generator 4—34576
Barbian, O.A., Grohs, B., Kappes, W. Evaluation of time-of-flight data with the ALOK-method 4—35519
Barbieri, G. C-MAC packet system for direct satellite broadcasting 4—38420
Barbieri, S., Mayer, L., Shyu, J.-H. New development in high speed copper plating for printed wiring board applications 4—41712
Barbosa, A.M., dos Santos, A.F., Figanier, J. Radiation field of a periodic strip grating excited by an aperiodic line source 4—53279
Barbosa, F.M. *see* Gouveia, J.B. 4—34081
Barbosa, F.M. *see* Miranda, V. 4—34154
Barbosa, L.C. *see* Arruda, A.C.F. 4—34901
Barcellona, M., Micciancio, S., Arico, M. A real-time-resolved scanning spectrophotometer with spectrum averaging capabilities 4—48805
Barciela, R. *see* Sanchez Dominguez, J. 4—49238
Barcomb, J.G., Johnson, S.D., McSparran, R.A. Drive circuit for stepping motor 4—58149
Bard, A.J. *see* Wheeler, B.L. 4—50024
Bard, J.F. Inexact linear programming with generalized technological matrix sets 4—29374
Bard, S. Advanced passive radiator for spaceborne cryogenic cooling 4—44800
Bardachevskii, V.T., Kardashov, A.A. Optimization of rectifier electric drive current loop with utilization of pulse frequency asynchronous control system 4—34978
Bardai, Z. *see* Woo, A. 4—51548
Bardakjian, B.L. Modelling of the laryngeal acoustic source by labile nonlinear oscillations 4—60003
Bardell, P.H. *see* Savir, J. 4—58254
Bardo, W.S. Summary of paper on military systems 4—47115
Bardsley, W. Capabilities of molecular beam epitaxy and materials prospects 4—41062
Bardy, J. *see* Dei-Cas, R. 4—33762
Bareika, B., Dikchyus, G., Piskarskas, A., Sirutkaitis, V., Yasevichyute, Ya. Generation of subpicosecond continuously frequency-tunable infrared pulses 4—42716
Bareikis, V., Viktoravichyus, V., Liberis, Yu. Microwave noise in a silicon point-contact n^+-n junction with an S-type current-voltage characteristic 4—46858
Barel, A. *see* Pintelon, R. 4—56612
Barelka, Z. Synergistic effects of functional and in-circuits testing 4—50516
Barfield, E.T. *see* Mahoney, J.R. 4—35261
Barfoot, K.M. *see* Scanlon, P.J. 4—36460
Barg, N.Ya. *see* Barg, Ya.A. 4—47541
Barg, Ya.A., Tolkunov, V.P., Barg, N.Ya. Analysis of plane nonlinear EM field problems 4—47541
Barge, B.L. *see* Torlaschi, E. 4—49468
Bargel, B., Ebert, A., Ernst, D. The detection of objects and their classification in picture sequences 4—38056
Barger, W. *see* Wohltjen, H. 4—61370
Bargeron, C.B., Jette, A.N., Nall, B.H. Electron current image diffraction from crystal surfaces at low energies 4—47555
Bargioni, S. *see* Sardi, L. 4—34894
Bargon, J., Diaz, A.F., Mohmand, S., Waltman, R.J. Polyazulene batteries 4—50036
Bargon, J. *see* Waltman, R.J. 4—50037

Baribeau, M.A., Driscoll, C.T., McGillis, D. The Canadian Electrical Association's Equipment Reliability Information System 4−34071
Bariev, N.V. A method of designing a protective earthing network taking into account natural earthing 4−49625
Barinov, V.A., Sovalov, S.A. Analysis of the steady state stability of power systems on the basis of the eigenvalues of matrices 4−39845
Barinov, V.A., Sovalov, S.A. Matrix eigenvalue analysis of power system steady state stability 4−44986
Barinov, V.A. *see* Sovalov, S.A. 4−34146
Barioli, A. *see* Coleman, M.J. 4−36117
Barish, A.E., Ehrlickman, R.L. Transition bus driver 4−29969
Bark, M.L. *see* Christou, A. 4−36037
Barkan, E., Swartz, J. System design considerations in bar-code laser scanning 4−59678
Barkan, I.B., Pod'yachev, S.P. Angular and spectral selectivities of holographic reflection gratings formed in $LiNbO_3$:Cu 4−42739
Barkan, J.L., Heil, T.C. Application of a performance diagnostic system to improve boiler turbine operation 4−48731
Barkanic, J.A. *see* Woytek, A.J. 4−36486
Barke, E. Polygon-based Boolean mask operations to be used in IC design rule checking 4−35734
Barke, E. A network comparison algorithm for layout verification of integrated circuits 4−36652
Barker, B. Using margin analysis to test disk drives 4−57808
Barker, B., Lawton, P., Riches, B. Micro Brother is assisting you [circuit analysis computing] 4−29583
Barker, B.C., Jr. *see* Owen, J.W. 4−35267
Barker, D.R. Online determination of the major properties of coal, by a combination of prompt neutron activation analysis and microwave attenuation 4−55739
Barker, F. The estimation and correction of refractive bending in the AR3-D tactical radar systems 4−32866
Barker, G. The LDM3003 comb filter decoder 4−32949
Barker, G.K., Badawi, M.H., Mun, J. 60 GHz monolithic GaAs front-end circuit for receiver applications 4−30089
Barker, G.K., Badawi, M.H., Mun, J. A 60 GHz monolithic GaAs mixer/preamplifier for receiver front-end applications 4−30119
Barker, K.E., Keenan, T.P. Local area network security 4−54416
Barker, L.I., Jr. The joint multichannel trucking and switching system (JMTSS): a survivable and endurable theaterwide communications system for use in a wartime situation 4−32544
Barker, L.V. Logic state analyser 4−29772
Barker, M.R., Hastings, W.R., Flanagan, K. The Control Evaluator and Training Kit: an assessment tool for comparative testing of controls to operate assistive devices 4−56077
Barker, R.C. *see* Fossum, E.R. 4−36600
Barker, R.C. *see* Tze-chiang chen 4−59295
Barkhlov, B.Sh. *see* Dzhamalov, N.A. 4−30424
Barkhordar, M. *see* Brown, D.J. 4−57049
Barkhudarov, E.M., Berezovskii, V.R., Mdivnishvilli, M.O., Taktakishvili, M.I., Tsintsadze, N.L., Chelidze, T.Ya. Three-dimensional holography at 10.6 μm 4−53112
Barkley, H.J., Sharp, L.E. Improving the efficiency of certain optically pumped lasers 4−59435
Barkley, H.J. *see* Sharp, L.E. 4−37288
Barkov, A.D., Sologub, V.G. Scattering of a plane electromagnetic wave by two parallel half-planes with a waveguide interaction region of finite length 4−31629
Barkov, G.P. *see* Nizimov, V.B. 4−40230
Barkov, V.B., Krutogolov, Yu.K., Lebedeva, L.V. Small electrolytic cell with a magnetic clamp for the study of semiconducting materials 4−48990
Barkova, N.A., Glukhov, A.A. Distribution of the duration of the maximum values of the level of a compressed broadcast signal 4−32908
Barlea, M. *see* Dadarlat, D. 4−52440
Barlier, F. *see* Kahle, H.-G. 4−61912
Barlik, R., Kopcke, H.-J. Simulation of a frequency converter 4−57170
Barlog, R. A package microprocessor system MIKROSTER for measuring and control 4−51291
Barlow, A.J. *see* Day, G.W. 4−31193
Barlow, A.J. *see* Varnham, M.P. 4−52579
Barlow, G. *see* Allen, D.M. 4−40396
Barlow, H.M. Power transmitted by different modes in an optical-fibre waveguide and behaviour as cut-off is approached 4−42372
Barlow, J.A., Forest, M.G. Analog loading in the Canadian network 4−32686
Barlow, J.M. *see* Sulley, J.L. 4−34487
Barmashenko, B.D, Naumov, V.V. Intensification of radiation in the boundary layer on the intensively cooled walls of a Laval nozzle 4−52909
Barmasov, V.D. *see* Angel'skii, A.N. 4−32881
Barmatz, M. *see* Wang, T.G. 4−50733
Barmin, I.V. *see* Zemskov, V.S. 4−29441
Barmin, V.I. *see* Smelyakov, V.V. 4−55365
Barnao, E. *see* Alonge, F. 4−34982, 4−50145
Barnard, D. Spectrum analyzer is portable lab assistant 4−39100
Barnard, D. Hybrid overview 4−58643
Barnard, J. *see* Ohno, H. 4−30648
Barnard, J.A., Edwards-Shea, L., Parker, D.G., Pun, E.Y.B. Compound semiconductor optoelectronic devices 4−59301
Barnard, M.E., Bloch, P.D., Paige, E.G.S. The focused slanted chirped transducer 4−52421
Barnert, H., von der Decken, C.B., Kugeler, K. The HTR and nuclear process heat applications 4−45255
Barnes, C. Composite signatures save time when troubleshooting by hand 4−33107
Barnes, C.E., Biefeld, R.M., Zipperian, T.E., Osbourn, G.C. Comparison of trapping levels in GaAsP strained-layer superlattice structures and in their buffer layers 4−58764
Barnes, C.E. *see* Dawson, L.R. 4−51818
Barnes, C.W. On the design of optimal state-space realizations of second-order digital filters 4−51437
Barnes, C.W. *see* Leung, S.H. 4−43339
Barnes, D. The provision of security for user data on packet switched networks 4−38325
Barnes, D.M., Robinson, C.N. The impact of ionic impurities in die attach adhesives on device performance 4−57837
Barnes, G.T. *see* Sones, R.A. 4−39551
Barnes, J.C. The cost of useful heat 4−50218
Barnes, J.J. *see* Mauntel, R. 4−35814
Barnes, J.P. *see* Huang, E. 4−47020
Barnes, N., Clennell, W.A. Domestic refuse−an alternative fuel 4−34439
Barnes, R.G.L., Sims, R., Rousseau, M.D., Sproston, M. Bismuth germanate (BGO) optimisation for energy resolution and purity 4−33697
Barnes, S.E. *see* Baberschke, K. 4−47223
Barnes, S.R., Riley, S.P., Wolfe, S.V., Worthington, P. Hydrogen evolution from silicone resins for primary coating applications [optical fibre applications] 4−52686
Barnes, W.J., Davey, K.R. Magnetic field calculation of time varying vertical and horizontal electric current dipoles in a conducting half space via the T-Ω method 4−31745
Barnes, W.J. *see* Davey, K.R. 4−59692
Barnett, A.M. The solar electric future 4−50068
Barnett, A.M. *see* Parekh, R.H. 4−45651
Barnett, J.H. Electric vehicles on the road to success 4−40565
Barnett, L.R., Dialetis, D., Lau, Y.Y., Chu, K.R. Tapered interaction gyro-TWA experiments 4−36192
Barnett, L.R. *see* Dialetis, D. 4−41784
Barnett, L.R. *see* Gold, S.H. 4−31275
Barnett, L.R. *see* Lau, Y.Y. 4−36214
Barnett, M.A., Barry, C.P., Hill, G.J. Determination of the dielectric properties of printed wiring boards with conformal coatings 4−57822
Barnett, P.G. *see* Mitzel, G.E. 4−48507
Barnett, R.J. *see* Gregory, D.N. 4−38822
Barnett, S. *see* Smart, N.M. 4−47853
Barnett, S.A., Rockett, A., Bajor, G., Greene, J.E. Model calculations for thermal and accelerated beam doping in semiconductor films grown by molecular beam epitaxy 4−41958
Barnett, S.M., Knight, P.L. Collective and quantum effects in models of Rydberg atom maser evolution 4−37248
Barnett, T. Eight ICs form bipolar log amp 4−41213
Barney, C. Unit ties together the VLSI design pieces 4−50896
Barney, J. *see* Paulson, R. 4−58615
Barnhart, J.S., Allemann, R.T., Werry, E.V. Performance testing of an ammonia-to-air heat exchanger for thermal power plant heat rejection 4−34399
Barnhart, J.S. *see* Brown, L.M. 4−40171
Barnhart, J.S. *see* Chockie, A.D. 4−40129
Barnicle, M.M. *see* Sears, A.R. 4−36544
Barnstead, R.E. *see* Daher, J.K. 4−37626
Barnwell, T.P. *see* Schwartz, D.A. 4−51457
Barnwell, T.P., III *see* Schwartz, D.A. 4−60090
Barnwell, T.P., III *see* Smith, M.J.T. 4−53553
Baroggi, M., Camparada, B. Safety equipment for public display areas 4−29208
Baron, K. *see* Wickert, K. 4−61341
Baron, M. The EISCAT facility 4−56295
Baron, Y.Le *see* Le Baron, Y.
Baroni, G., Dell'Uomo, S., Di Liberto, S., Ginobbi, P., Lamanna, E., Manfredini, A., Mazzoni, M.A., Meddi, F., Petrera, S., Romano, G., Rosa, G., Sgarbi, C. New developments of the emulsion technique in hybrid experiments 4−55870
Baronian, B. Update on the electronics industry in Puerto Rico 4−45897
Baroux, J.P. *see* Villalba, J.R. 4−45334
Barr, D.M. *see* Read, P.W. 4−62151
Barr, J.R.M. Achromatic prism beam expanders 4−59572
Barr, R., Rietveld, M.T., Kopka, H., Stubbe, P. Effect of a heated patch of auroral ionosphere on VLF-radio wave propagation 4−47594
Barr, R.L., Latta, M.R. Illumination uniformity measurement technique using variable exposure on a wafer 4−41934
Barr, S. Traffic measuring system for time sharing network 4−54391
Barradas, O.C.M. *see* Himelgryn, B. 4−60793
Barral, H., Moreau, N. Circuits for digital signal processing 4−55357
Barraza, L.B. *see* Weeks, R.A. 4−44855
Barrera, J., Hoffman, B., Wilson, D. Digital GaAs ICs hit gigahertz speed mark 4−41265
Barrera, J. *see* Wilson, D. 4−29826
Barresi, J.F. The power company hot-spot 4−56398
Barrett, C.N. Preoperative planning with interactive graphics 4−56092
Barrett, H.H. Three-dimensional image reconstruction from planar projections with application to optical data processing 4−43430
Barrett, H.H. *see* Barber, H.B. 4−33811
Barrett, H.H. *see* Easton, R.L., Jr. 4−52417
Barrett, H.H. *see* Gmitro, A.F. 4−43411
Barrett, H.H. *see* Milster, T.D. 4−39543
Barrett, H.H. *see* Swindell, W. 4−44234
Barrett, J.J., Moran, P.L. A method of scanning electron microscope analysis of laser drilled thick film vias 4−41727
Barrett, O.R. *see* Chan, T. 4−55276
Barrett, P. *see* Pruszkowska, E. 4−58826
Barrett, R. Automatic routing of PC boards 4−51615
Barrett, R.J. Robot safety−the HSE experience 4−50457
Barrett, S. Universal shifter 4−51381
Barrett, W.A., Rogers, B., Lathrop, R., Kuchinsky A. An extensible datapath generator 4−36750
Barrick, D.E., Lipa, B.J. Surface currents during the ARSLOE storm measured by the CODAR crossed-loop system 4−56322
Barrick, D.E. *see* Lyons, R.S. 4−48502
Barrios Bravo, L.J. *see* Saiz Repila, F. 4−39092
Barron, A.R. Convergence of logically simple estimates of unknown probability densities 4−37808
Barron, B. Application design features for non-contact temperature measurement 4−55733
Barron, E.N., Evans, L.C., Jensen, R. Viscosity solutions of Isaacs' equations and differential games with Lipschitz controls 4−57910
Barry, C.P. Proposed improvements in the methods of analysis of thermal endurance data leading to temperature index 4−58103
Barry, C.P. *see* Barnett, M.A. 4−57822
Barry, J.A., Broersma, D.M., Wilbarg, R.R. Technique for reversal processing of sulfone-sensitized resists 4−30491
Barry, J.D. Design and system requirements imposed by the selection of GaAs/GaAlAs single mode laser diodes for free space optical communications 4−42648
Barry, K.M., Cavers, D.A., Knealey, C.W. Recommended standards for digital tape formats 4−61911
Barry, R.L. High performance current switch push-pull off-chip driver 4−29968
Barry, R.L., Walters, T.L. High performance output select circuit [OR function] 4−29791
Barsamian, A. Laser linkup cuts cabling costs 4−32794
Barsch, A. Instant programming with a static RAM 4−29874
Barsi, F., Maestrini, P. Application of residue arithmetic to recursive digital filters 4−35978
Barsi, F. *see* Alia, G. 4−35582, 4−51280
Barson, F. Fabrication of different base widths of transistors on the same integrated circuit chip 4−30220
Barsony, I. *see* Almasi, I. 4−48874
Barsotti, R.H., Fabio, R.A. First error detection circuit 4−51378
Barstow, M.A. *see* Fraser, G.W. 4−61678
Barstow, M.A. *see* Whitely, M.J. 4−61679
Barstow, S.F., Krogstad, H.E. Directional wave spectra from heave/pitch/roll data buoys 4−56318
Barsuhn, H. *see* Baier, E. 4−51245
Barta, D.J. *see* Sollner, G.H. 4−36964
Barta, J. Calibration of automatic system for S-parameter measurement of microwave integrated circuits 4−61514
Barta, S.M., Honig, M.L. Analysis of a demand assignment TDMA blocking system 4−38114
Bartak, G., Lummerstorfer, L. The new CENELEC harmonisation document for ripple control receivers 4−32638
Bartel, J.J., Skvarna, P.E. 10 MWe solar thermal central receiver pilot plant 4−62459
Bartel, S. *see* Pannenbacker, K. 4−49697
Bartels, G. Short report: the first magnetic resonance tomograph put to the test 4−44723
Bartels, P.H. *see* Maenner, R. 4−53856
Bartels, W.G., Carlson, R.W. Resident diagnostics on fault tolerant systems [PBX] 4−54557
Bartelt, H. Computer-generated holographic component with optimum light efficiency 4−42728
Bartelt, H. Efficiency and versatility of computer generated holograms 4−59616

Bartelt, H., Lohmann, A.W., Sicre, E.E. Optical logical processing in parallel with theta modulation 4—60179

Bartelt, H.O., Lohmann, A.W. Signal processing systems with dimensional transducers 4—43418

Barten, P.G.J. Resolution of data display tubes 4—55605

Bartenev, V.G. *see* Gol'fel'd, G.B. 4—53643

Barth, A. MC68008 deployment in 8 bit systems 4—35829

Barth, A.J. Designing with the 68008 microprocessor. I 4—29914

Barth, A.J. Designing with the 68008 microprocessor. II 4—29915

Barth, H., Nossek, J.A. 140 Mbit/s modem with 16 QAM for digital radio links 4—43937

Barth, H. *see* Nossek, J.A. 4—32531

Barth, J. *see* Duval, B.P. 4—55842

Barth, P.W., Bernard, S.L., Angell, J.B. Monolithic silicon fabrication technology for flexible circuit and sensor arrays 4—61369

Barthel, G. *see* Manhart, S. 4—60918

Barthelemy, B.M. *see* Tuttle, M.E. 4—61547

Barthelemy, R.R., Massie, L.D. Future military space power systems and technology 4—39655

Barthelenghi, G. The commercial impact of military ATE 4—39022

Barthold, J.E. *see* Auke, H. 4—48248

Bartholeme, P. Western Europe—national and regional developments in communications and broadcasting by satellite 4—44051

Bartholome, P. Satellite broadcasting in Europe 4—48541

Bartholome, P. *see* Hanell, S. 4—38583

Bartholomew, B.J. *see* Wang, J.Y. 4—54895, 4—60912

Barthou, C. *see* Benoit, J. 4—47355

Bartik, J. OSI: from model to prototype as commerce tries to keep pace 4—32341

Bartik, J. IBM's token ring: have the pieces finally come together? 4—60475

Bartimo, J. A network perspective [LANs] 4—32330

Bartish, L.A., Bodak, O.I., Savchin, V.P., Stakhira, I.M., Fiyala, Ya.M. Properties of In_4Se_3 single crystals annealed in selenium vapor 4—30373

Bartl, J. Moire topography of substrates 4—51963

Bartlett, B. Using the TECRON TEF System 10 acoustic analyzer 4—55303

Bartlett, G. *see* Jenkins, D.D. 4—57278

Bartlett, K., Hillis, G., Chen, M., Trutna, R., Watts, M. A two layer photoresist process in a production environment 4—36820

Bartlett, K. *see* Hillis, G. 4—36746

Bartlett, N.J. The development of the penetron colour display 4—33181

Bartlett, N.J. The penetron colour display 4—36229

Bartlett, R.J., Kania, D.R., Day, R.H., Kallne, E. Mirror filter systems for the soft X-ray region 4—56045

Bartlett, R.J. *see* Kania, D.R. 4—42454, 4—55841

Bartley, G.K., Johnson, C.L., Ristow, D.P., Ryba, J.M. Film-resistor trimming without sensing at module pins 4—51672

Bartley, G.K., Johnson, C.L., Ristow, D.P., Ryba, J.M. Technique for determining the untrimmed value of an isolated resistor in an integrated circuit 4—58647

Bartley, N.R. *see* Bruton, L.T. 4—58457

Bartoli, C. *see* Voegelin, M.R. 4—49271

Bartoli, T.J. Dynamic MOS shift register stage 4—51385

Bartolini, L., Bitelli, G., Fornetti, G., Habel, R., Orsitto, F. Microsecond CO_2 laser pulses for Thomson scattering on Tokamak machines 4—59425

Bartolucci, G.C., Piccari, L., Scotti, S., Testa, F. Diffused thin films for integrated optics: realisation and measurements 4—59261

Barton, J.R., Rauer, D.K. The economics of autonomy in the EPS 4—34768

Barton, J.S. Observing mountain weather using an automatic station 4—44916

Barton, M.L., Garg, V.K., Ince, I., Sterheim, E., Weiss, J. WEMAP: a general purpose system for electromagnetic analysis and design 4—31562

Barton, M.O., Hahn, H. Possibilities for relativistic heavy ion collisions at Brookhaven 4—39376

Barton, M.Q. Coalescence of bunches in a synchrotron to change acceleration harmonic number 4—33584

Barton, N.G. *see* Cross, J.A. 4—30240

Barton, S.K., Norbury, J.R. Communication engineering research satellite (CERS) overview 4—38573

Barton, S.K. *see* Vilar, E. 4—31665

Barton, T.H. *see* Divan, D.M. 4—57231, 4—57234, 4—62636

Barton, T.H. *see* Iliadis, A. 4—57043

Bartos, J. *see* Thurzo, I. 4—30439, 4—46874

Bartos, S. Contribution of turn-off thyristors (GTO) to AC traction drives 4—40547

Bartosinksi, J., Wolczynski, W. Characteristics of SCR firing circuits using optocouplers 4—62632

Bartosinski, J., Wolczynski, W., Wieland, J. The transopter in control circuits of thyristors 4—62630

Bartosinski, J. *see* Wolczynski, W. 4—47353

Bartosz, R. *see* Faul, R. 4—42083

Bartosz, T. Solder fusing—process and equipment analysis 4—46720

Bartsch, D. Where do the problems lie for conversion to and subsequent installation of district heating?—the future link-up potential of district heating 4—62826

Bartsch, H. *see* Skorupa, W. 4—41960

Bartter, W.D. *see* Siegel, A.I. 4—62306

Bartur, M., Nicolet, M.-A. Thermal oxidation of transition metal silicides on Si: summary 4—30539

Bartur, M., Nicolet, M.-A. Utilization of $NiSi_2$ as an interconnect material for VLSI 4—30569

Bartur, M., Nicolet, M.-A. Chromium as a diffusion barrier between NiSi, Pd_2Si, or PtSi and Al 4—46867

Bartz, J.A. *see* Allemann, R.T. 4—49772

Bartz, J.A. *see* Glantschnig, W. 4—49734

Barua, A.K. *see* Banerjee, R. 4—51790

Barua, A.K. *see* Chaudhuri, P. 4—41851

Baruhovic, J. Bistabile universal auxiliary relays in control of low voltage motor drives 4—45165

Barwell, F.T. Urban passenger and inter-urban rail transport technology 4—34997

Barwood, G.P., Rowley, W.R.C. Characteristics of a $^{127}I_2$-stabilized dye laser at 576 nm 4—47433

Bar'yadaev, K.K. *see* Sagutdinov, R.Sh. 4—35242

Barycka, I., Zubel, I. Evaluation of the state of the silicon wafer surfaces treated with different methods 4—36483

Barzaghi, A. An introduction to the personal computer 4—39862

Barzilai, Z., Huisman, L.M., Silberman, G.M., Tang, D.T., Woo, L.S. Fast pass-transistor simulation for custom MOS circuits 4—36827

Barzilai, Z., Silberman, G.M., Tang, D.T., Woo, L.S. Simulating pass transistor circuits using logic simulation machines [for MOS/VLSI custom chips] 4—51139

Basalayev, M.L. An approximation of the statistics of a communications channel by a generalized polynomial model [additive RFI] 4—53236

Basanez, L. *see* Riera, J. 4—49498

Basar, T. An equilibrium theory for multi-person decision making with multiple probabilistic models 4—50638

Basar, T., Basar, T.U. Minimax linear encoding schemes for degraded Gaussian relay channels with unknown jamming noise 4—43948

Basar, T. *see* Zheng, Y.P. 4—46090

Basar, T.U. *see* Basar, T. 4—43948

Basar, T.U. *see* Sarwate, D.V. 4—53333

Basargin, Yu.G. Radiofrequency bunching technique for charged particles 4—39395

Basel, D. LV circuit breakers for the configuration of breaker cascades 4—40347

Baser, R.V. NAPLPS applications beyond videotex 4—54252

Basevich, Ya.S. *see* Kashinov, V.V. 4—53656

Basford, R. An improved DC restorer of AC coupled signals 4—58476

Basharin, G.P., Samuylov, K.Ye. A single phase queueing system with two types of arrivals and relative priority 4—60329

Basheva, D.S., Taskov, V.K. Gradient optical fibres 4—47254

Bashindzhagyan, G.L., Sinev, N.B. Logarithmic charge-digital converters for operation with proportional chambers 4—39037

Bashindzhagyan, G.L., Sinev, N.B. Amplitude-digital converter with impulsing circuit [for scintillation detector] 4—48821

Bashir, A., Pradhan, B.D., Revankar, G.N. Alternative configuration for Nabae's multiple current source inverter 4—45526

Bashir, A., Pradhan, B.D., Revankar, G.N. Analysis of a McMurray commutation circuit with a (di/dt) inductor 4—46330

Bashkin, A.S., Kiselevskii, A.L., Oraevskii, A.N., Tomashov, V.N., Frolov, M.P., Yuryshev, N.N. Efficiency of initiation of a pulsed H_2-F_2 laser by photolysis and electron beam methods 4—42551

Bashkirov, L.F., Vasil'ev, R.M., Petrov, I.M. A complex approach to the problem of increasing production efficiency 4—57770

Basiev, A.G., Vysikailo, F.I., Kuz'min, V.N., Lobysheva, L.G. Influence of impurities of high-molecular compounds on the temperature of the gaseous medium in a CO_2 laser 4—42554

Basiev, T.T., Burakov, V.S., Karpushko, F.V., Kovalev, D.V., Mirov, S.B., Morozov, V.P., Prokhorov, A.M., Sinitsyn, G.V., Shkadarevich, A.P. Output characteristics of strongly excited $LiF:F_2^-$ crystal lasers 4—31365

Basiladze, S.G., Nguen Tkhi Sha Dual differential discriminator with accurate time linkage to a time-to-height converter 4—61721

Basiladze, S.G., Suvorov, V.V., Eloev, O.Z. Capabilities of the COMPEX standard [data acquisition application] 4—61283

Basile, P. *see* Ardemagni, F. 4—38708

Basiulis, A. *see* Camarda, C.J. 4—33948

Baskin, J., Cathro, W., Dack, D. ABN: a national cataloguing network 4—38321

Baskin, L.B., Mikitchenko, A.Ya., Shilov, S.G., Dymskii, A.P. Reduction of rotational irregularity of an induction motor in a system comprising a thyristor frequency converter and and induction motor 4—40256

Basoc, V.A. *see* German, L.A. 4—57458

Basol, B.M. *see* Ou, S.S. 4—30342

Basov, A.A., Katayev, I.G., Kolchin, D.P. Electromagnetic shock waves in coaxial lines with gas-discharge tubes 4—53247

Basov, N.B. *see* Adushkin, A.V. 4—42559

Basov, N.G., Drimanov, A.P., Kovsh, I.B., Lesnov, I.A., Paisov, V.N., Sobolev, V.A., Urin, B.M. Energy characteristics of the cryogenic electroionization CO laser at densities of the active medium up to 4 Amagat 4—37312

Basov, N.G., Vasil'ev, L.A., Kazakevich, V.S., Kovsh, I.B., Panteleev, G.V., Tikhonravov, A.V. Pump power dependence of the power and time characteristics of light pulses from an electroionization CO laser 4—37307

Basov, N.G. *see* Alekseev, V.A. 4—37513

Basov, N.G. *see* Averin, A.P. 4—42549, 4—59390, 4—59451

Basov, Yu.G. Tubular lamps with shortened emission pulses (review) 4—35032

Bass, F.G. *see* Shestopalov, V.P. 4—56309

Bass, J. Optical information technology—the next step 4—44123

Bass, J.C., Elsner, N.B., Miller, P.H. Nuclear thermophotovoltaics 4—40508

Bass, M. *see* Amimoto, S.T. 4—37438

Bass, N. Construction of the NBS-design high-temperature platinum resistance thermometer 4—33280

Bass, N., Evans, J.P., Tillett, S.B. Techniques in high-temperature resistance thermometry 4—33279

Bass, S.C. *see* Goeddel, T.W. 4—47852

Basse, P., Leikus, V., Lob, E. Microprocessor enhances performance of microwave signal generator 4—55502

Basseas, S. *see* Graupe, D. 4—56147

Bassi, D., Boschetti, A., Scotoni, M., Anderle, M., Iannotta, S., Zen, M. Add a signal averaging facility to your laboratory microcomputer 4—33121

Bassi, E. TI 99/4A software. Test patterns from the computer 4—54965

Bassi, P. Tapered monomode optical waveguides 4—37153

Bassler, H. *see* Ries, B. 4—51740

Bassler, R. *see* Abele, E. 4—50512

Bassman, C. Automated production brings more efficiency to a PCB facility 4—41697

Basson, J.K. Nuclear safety in perspective 4—45249

Bastard, G. Self-consistent variational calculations and alloy scattering in semiconductor heterojunctions 4—51842

Bastard, G. *see* Guldner, Y. 4—51855

Bastiaans, M.J. Signal description by means of a local frequency spectrum 4—43422

Bastiaens, H.M.J., Gerber, T., Peters, P.J.M. Compact capacitively coupled N_2 laser with a new electrode design 4—31318

Bastiaens, H.M.J. *see* Peters, P.J.M. 4—31310

Bastian, J. Conversiuon of PCB-cooled transformers. Economic and safety aspects 4—62569

Bastide, G. *see* Gouskov, L. 4—36319

Bastikar, A.R. Legal and regulatory considerations in establishment of a regional satellite system 4—60806

Basting, D., Hohla, K., Albers, E., Bergmann, H. Thyratrons with magnetic switches: the key to reliable excimer lasers 4—53034

Bastl, W., Felkel, L. STAR—an advanced computer software concept to realize reactor operator aids 4—62295

Bastos Machado, H. *see* Dower, G.E. 4—49243

Bastow, R. Design of an 85 W broadband HF linear amplifier 4—35658

Basu, B.N., Pal, B.B., Singh, V.N., Vaidya, N.C. Optimum design of a potentially dispersion-free helical slow-wave circuit of a broadband TWT 4—41779

Basu, C. *see* Biswas, S. 4—55952

Basu, C. *see* Kukreja, L.M. 4—31539

Basu, K.P., Mahboob, G., Khan, B.H. Distance relay characteristic for protection of series compensated transmission line 4—49629

Basu, M., Ghosh, D., Jacquot, C., Lopez-Quelle, M., Naha, S., Niembro, R., Roy, J., Ruiz, A., Sanchez, V., Schmitt, R., Sengupta, K., Suren, J.N., Villar, E. Laser measurement interferometry microscope for emulsion telescope in high energy physics 4—55958

Basu, M., Pal, B.B. A note on non-preemptive goal programming 4—29373

Basu, M. *see* Ghosh, d. 4—33747

Basu, P., Bhattacharya, P., Sengupta, M.K., Chatterjee, M.L. Performance of a tandem multiwire proportional counter system 4—33732

Basu, P.K., Nag, B.R. Alloy scattering limited mobility of two-dimensional electron gas formed in $In_{0.53}Ga_{0.47}As$ 4—51784

Basu, P.K., Roy, J.B. Warm electron coefficient of two-dimensional electron gas in silicon inversion layer at low temperatures 4—30644
Basu, P.K. *see* Bhattacharyya, K. 4—36312
Basu, R. Technological and economic aspects of solar cell manufacture 4—50048
Basu, S., Fettweis, A. Test for two-dimensional scattering Hurwitz polynomials 4—57964
Basu, S. *see* Bose, D.N. 4—46896, 4—58796
Basu, S.K. *see* Sinha, B.K. 4—49833
Basyaeva, L.I. *see* Pletneva, N.I. 4—31192
Bat' Vong Kha A method of solving optimum excitation problems for a synchronous generator, taking sensitivity into account 4—56958
Bat Wong Ha Taking sensitivity into account when optimising the excitation of synchronous machines 4—56957
Batchelor, A.S. An overview of hot dry rock technology 4—34258
Batchelor, B.G. *see* Cotter, S.M. 4—57851
Batchelor, C. *see* Van Broekhoven, P. 4—44861
Batchman, T.E. *see* Howerton, P.H. 4—61355
Batchman, T.E. *see* Marshburn, T. 4—61354
Bateman, A.J., McGeehan, J.P. Data transmission over UHF fading mobile radio channels 4—43979
Bateman, A.J. *see* McGeehan, J.P. 4—32694
Bateman, B., Young, K., Hartranft, M., Molitor, K. C-MOS challenges bipolars in static-RAM race 4—35788
Bateman, J. Local programming—partner or rival? 4—55024
Bateman, J.E. X-ray and gamma imaging with multiwire proportional counters 4—39501
Bates, B. *see* Patil, P.B. 4—40568
Bates, C.W., Jr. *see* Abernathy, C.R. 4—41073
Bates, J. A fusion of memory technologies now allows flexible design 4—41360
Bates, R.H.T. Phase recovery, speckle, and image reconstruction 4—43431
Bates, R.H.T., Fright, W.R., Cady, F.M., Berzins, G.J. Speckle processing, shift-and-add, and compensating for instrument aberrations 4—43432
Bates, R.N. Advances in mm-wave E-plane subassemblies 4—30117
Batev, K. *see* Popov, G. 4—41742
Batey, J., Petty, M.C., Roberts, G.C., Wight, D.R. GaP/phthalocyanine Langmuir-Blodgett film electroluminescent diode 4—42490
Batey, J., Petty, M.C., Roberts, G.G. Electroluminescent MIS structures incorporating Langmuir-Blodgett films 4—31259
Bath, W.G., Castella, F.R. Detection performance of a noncoherent MTI 4—54858
Bathor, M. *see* Siegler, A. 4—53948
Batishche, S.A. *see* Apanasevich, P.A. 4—59584
Batiz, G. *see* Kulcsar, S. 4—57317
Batke, E. *see* Wieck, A.D. 4—51896, 4—58813
Batkin, V.I., Getmanov, V.N. Analog-to-digital interface and real-time measurement of the phase volume of a beam using an 'Elektronika-100I' computer 4—49056
Batleman, H.L. Plastics for plug connectors 4—51595
Batorsky, D.V., Burke, M.E. 1980 Bell System noise survey of the loop plant 4—54467
Batov, I.P. *see* Mihailov, N.I. 4—47490
Batov, S., Ivanov, B. On the calculation of the design efficiency of electric precipitators in thermal power stations burning Bulgarian coal 4—53171
Batov, S., Ivanov, B. Some studies of the possibility to extend Maritsa East 2 Thermal power station from the viewpoint of air protection 4—56808
Batra, I.P., Ciraci, S. Ideal Al-Ge(001) interface: from chemisorption to metallization of the Al overlayer 4—52036
Batra, I.P. *see* Ciraci, S. 4—41902
Batra, N. *see* Shah, P. 4—38146
Batra, V. Zero to fifty in five years [Alaskan telephone network] 4—48017
Batra, V.K. *see* Agarwal, S.K. 4—37051
Batrachenko, V.S., Mal'tsev, V.A., Molokoedov, O.M. Interface for input of digital information from the ChZ-38 frequency meter to the ES-1022 computer 4—33119
Batson, R. *see* Frauenglass, E. 4—45974
Batsula, A.P. *see* Badulin, N.N. 4—61921
Batsuren, S. On the continuity of the implicit mapping 4—35368
Batt, D.A. *see* Allerton, D.J. 4—30739
Battaglia, B. Taking into account of voltage quality in LV system surveys 4—34187
Battaglia, S. *see* Alzetta, G. 4—33968
Battail, G. Optimum soft-decision decoding of linear block codes. I. Simplified trellis decoding 4—37835
Battail, G. Simplified optimum soft decoding of linear block codes 4—47782
Battail, G. Cut-off rates in nonbinary orthogonal communication using hard or soft decisions 4—53325
Battarel, C. *see* Labrune, M. 4—36997
Batteh, J.H., Powell, J.D. Analysis of plasma arcs in arc-driven rail guns 4—42809
Battesti, J. Effect of hop length on the quality of high-capacity digital links 4—43966
Battista, M.A. *see* Banker, D.C. 4—30575
Battistelli, L., Carpinelli, G., Mangoni, V., Testa, A. The designing problem of the electrical system which supplies auxiliary services of thermal power plants 4—49724
Battle, G.A., III A new combinatoric estimate for cluster expansions 4—40941
Battle, R.M. A new variation on an old theme: replace your 6502 4—46504
Battlebury, D.R. Maintenance—an aid or hindrance to a reliable power system? 4—34065
Battocletti, J.H., Halbach, R.E., Salles-Cunha, S.X., Sances, A., Jr. Nuclear magnetic resonance and transcutaneous electromagnetic blood flow measurement 4—44728
Batura, V.P., Vigorovich, V.N., Selin, A.A. Variation of the composition of liquid and solid phases during liquid phase epitaxy of quaternary solid solutions 4—50771
Baturov, B.B., Boldyrev, V.M., Losev, V.L., Sigal, M.V. Technical and economical prerequisites of building specialised centers of nuclear heat and power generation 4—34294
Batygin, V.V., Zholnerov, V.S. The calculation of the empirical σ-instability [frequency measurement] 4—55625
Baudazzi, C. DIWIBATEL—a new way to communicate 4—54064
Baudet, G.M., Cutler, M., Davio, M., Peskin, A.M., Rammig, F.J. The relationship between HDLs and programming languages [hardware description languages] 4—50911
Baudet, J. *see* Louage, F. 4—51205
Baudion, C. *see* Lay, B. 4—53829
Baudisch, M. Automatic voltage/time acquisition circuit 4—55298
Baudouy, M. *see* Guivarc'h, P.H. 4—49273
Baudrand, H. *see* Tonye, E. 4—58502
Bauer, B., Brehm, K. High fidelity stereo cassette recorder type S3000. II 4—33071
Bauer, D.P., Barber, J.P. Investigation of the residue in an electric rail gun employing a plasma armature 4—42819
Bauer, D.P. *see* Barber, J.P. 4—42801
Bauer, G. *see* Ambrosch, K.E. 4—51853
Bauer, G. *see* Clemens, H. 4—36295
Bauer, G. *see* Jirmann, J. 4—59571
Bauer, G. *see* Schnirel, K. 4—45148
Bauer, G. *see* von Ortenberg, M. 4—36305
Bauer, J.A., Bronecke, P., Kolc, R., Schelhorn, R. Overview and applications of surface mounting technology. II 4—41699
Bauer, J.A., Bronecke, P., Kolc, R., Schelhorn, R. Overview and applications of surface mounting technology. I 4—41733
Bauer, M., Braswell, R., Iwata, H., Stewart, J. MHD coal combustor development for low preheat operation 4—40483
Bauer, W., Reisinger, H., Wacker, H. Increased control of a one-day capacity power plant 4—45362
Bauerfeld, W.L., Kaufmann, P., Tschicholz, M., Weikart, C. DIN-A-MIT: an adaptive, distributed computer-based message system 4—43674
Bauernfeind, U. Dial-through at the Lahr-Ettenheim savings bank 4—38390
Baughman, M.L., Krafka, F., Jr., Sullivan, R.S. Modeling emergency interregional electric power transfer 4—56436
Bauhofer, W. *see* Ehinger, K. 4—51797
Baum, C.E. Topological considerations for low-frequency shielding and grounding 4—59763
Baum, D. An approximate performance analysis for a token controlled broadcast system with demand handling 4—47932
Baum, H.J. Comparison tests on five radio receivers 4—38792
Baum, H.J. Second generation MCC [car radio] 4—38794
Baum, H.J. Rehabilitated Akai receiver AA-R321 4—38795
Baum, H.J. Germany versus Japan: Who is manufacturing the better tuner? 4—38797
Baum, H.J. Descriptions of special loudspeaker models 4—38898
Baum, H.J. Sounding skyscrapers 4—38901
Baum, H.J. The glorious seven 4—38902
Baum, H.J. Slim Line [hi-fi] 4—38907
Baum, H.J. The jubilee turntable 4—38909
Baum, H.J. A cuckoo in the nest? [compact disc players] 4—38910
Baum, H.J. Optimum sound in each room 4—38911
Baum, H.J. F81 electrostat loudspeaker from Stax 4—38912
Baum, H.J. SU-V505 intensifier from Technics with incorporated microcomputer 4—38914
Baum, H.J. An elegant high-class status symbol 4—38917
Baum, H.J. Hi-Fi sound from small boxes 4—38919
Baum, H.J. Sound-artists 4—38921
Baum, H.J. Visit to the Compact Disc manufacturing plant in Hanover 4—38922
Baum, H.J. Test report: 9 cartridges at less than 300 Swiss francs 4—38926
Baum, H.J. The first CD player for less than 1000 Swiss francs [compact disc] 4—38927
Baum, H.J. Comparison test: 4 tape decks around 800 francs 4—38971
Baum, H.J. Back to natural sound [audio recording] 4—38972
Baum, H.J. The new generation: 4 CD players in a comparison test [compact disc] 4—38973
Baum, H.J. Supersound from video-recorder? 4—44279
Baum, H.J. For the small budget [Marantz stereo amplifier test data] 4—44318
Baum, H.J. Quadruplets [CD players] 4—44320
Baum, H.J. Top Hi-Fi, Italian version 4—44321
Baum, H.J. Yamaha NS-W1 bass loudspeakers. Con Basso 4—44323
Baum, H.J. Second generation. The testing of seven CD-players 4—44325
Baum, H.J. Typically Revox. [Cassette tape recorder tests] 4—44356
Baum, H.J. Knock-out blow for digital recording? 4—44359
Baum, H.J. Two universal tape decks 4—44362
Baum, H.J. Unikum. Tests of the TEAC top-tape-deck Z-7000 4—44363
Baum, H.-J. *see* Haase, H.-J. 4—38862
Baum, M. *see* Pivec, A. 4—40518
Bauman, E.V., Muchnik, I.B. Simplification of graph structure with the aid of Boolean matrices 4—50648
Baumann, H. *see* Klein, H. 4—33599
Baumann, H. *see* Langfeld, R. 4—30476
Baumann, H.P. Security for line-of-sight communications systems 4—60673
Baumann, J. *see* Tilgner, R. 4—58072
Baumann, M.. Test simulators for broad band electrical interference 4—37609
Baumbaugh, B. *see* Ruchti, R. 4—33680
Baumberger, J.G., Lansing, S.G., Pinter, J., Skinner, D.W. Dual coil assembly 4—58577
Baumeister, J. *see* Warter, P.J. 4—41510
Baumer, H. *see* Sonning, W. 4—59768
Baumert, R.J., Cameron, L.E. A mixed EFL I^2L digital telecommunication integrated circuit 4—29783
Baumert, R.J., Cameron, L.E., Wilson, R.A., III A mixed EFL/I^2L digital telecommunication integrated circuit 4—35906
Baumgart, K. *see* Knobloch, J. 4—51224
Baumgart, V.F. *see* Yakubaitis, E.A. 4—43726
Baumgarten, J.A. Will copyright survive the new technologies? 4—45850
Baumgartner, J. Super colour Grundig applications 4—32930
Baumgartner, M., Abstreiter, G. Interaction between electronic and phonon Raman scattering in hole space charge layers on silicon 4—51908
Baumgartner, R.A. *see* Cross, P.S. 4—59268
Baumgartner, U. *see* Tenini, H. 4—35300
Baums, A.K. *see* Yakubaitis, E.A. 4—43726
Baumwolf, P. Stepping-motor control on a chip 4—40274
Baur, K. Fuel element maintenance in the Biblis nuclear power plant with the failed fuel element detection system BSN 4—56786
Baur, M. *see* Kruger, M. 4—30830
Bausch, W. C-Press—solderless pressfit technology in hardness testing 4—30196
Bauser, E. *see* Kutt, W. 4—41949
Bauser, E. *see* Zwicknagl, P. 4—41869
Bausiere, R., Rombaut, C., Russe, P. Means of reducing disturbances in the supply network induced by three phase convertors with resistive load 4—34783
Baust, E., Schoning, J., Arndt, E. The HTR for process heat application according to the BBC/HRB-concept 4—45257
Baust, E., Wittchow, G. HTR-500 for the electricity and heat market [nuclear reactors] 4—62315
Baust, E. *see* Wittchow, G. 4—45256
Bava, F. *see* Tanaka, J. 4—44341
Bava, G.P. *see* De Marchi, A. 4—61487
Baxa, E.G., Jr. *see* Sitterle, J.J. 4—60894
Baxendale, J.E. Low battery voltage indicator for bipolar power supplies 4—50932
Baxter, D.W., Gonnella, N.T. Subbing layer for ablative optical recording media 4—52536
Baxter, E. Building management in perspective 4—50385
Baxter, E., Collins, A. New semiconductor packages facilitate automated surface mount assembly 4—50547
Baxter, K.R., Taylor, G.E. Solar tracking in temperate climates 4—34923
Baxter, W.M. *see* Ahuja, B.K. 4—29893, 4—54554, 4—60551
Bayaa, D. *see* Gouskov, L. 4—36319
Bayard, C., Bourjot, P., Cottart, J.-J. Radial thermomechanical behaviour [power cables] 4—56629
Bayard, C., Dupont, R., Gauthier, P., Saunier, A. Investigation of the watertight sealing products located under the metal screen 4—56626
Baybars, I., Kortanek, K.O. Transmission facility planning in telecommunications networks: a heuristic approach 4—32191
Bayer, P.W. *see* Levensen, M.D. 4—46906

Bayer, T., Junginger, R., Kuenzel, U., Schaefer, R. Method of selectively copper plating molybdenum structures on multilayer ceramic substrates 4—30221
Bayer, T., Kempf, J., Schmid, G. Interferometric etch depth and temperature determination [for RIE reactor] 4—55677
Bayer, W., Erche, M., Naser, W., Starzynski, B. Investigating the dynamic behaviour of the Bewag network during short circuits 4—45084
Bayer-Helms, F. Coupling coefficients of an incident wave and the modes of a spherical optical resonator in the case of mismatching and misalignment 4—37392
Bayes de Luna, A., Torner, P., Sagues, F., Arnal, Y., Pons, G., Pallares, T., Carbo, C., Garcia Moll, M., Coll, C., Ventosa, C. Value of transtelephonic interpretation with memory and self-application technique (TIMSAT) in the assessment of cardiac arrhythmias prevalence 4—49248
Bayless, M., Devanney, W., Waller, W., Laurent, D. An automated methodology for generating self-consistent layout rules for VLSI designs 4—36742
Bayliss, D. Banking on cable 4—55027
Bayliss, J. Photoelectric sensing 4—33308
Bayliss, K.H., Latham, R.V., Jones, F., Mellor, D.J. A study of the electron emission characteristics of a triggered vacuum switch 4—57281
Bayliss, M. An introduction to UKNET 4—32344
Baylou, P., El Hadj Amor, B., Monsion, M., Bouvet, C., Bousseau, G. Detection and three-dimensional localization by stereoscopic visual sensor and its application to a robot for picking asparagus 4—60207
Baynton, K. Bits, bytes and blocks—conquering the datacoms transmission jungle 4—32382
Bayon, J.F. *see* Francois, P.L. 4—59210, 4—59211
Bayoumi, M.A., Jullien, G.A., Miller, W.C. A high speed VLSI adder 4—29985
Bayoumi, M.A. *see* Jullien, G.A. 4—35980
Bayraktaroglu, B. *see* Frensley, W.R. 4—58547
Bayraktaroglu, B. *see* Shih, H.D. 4—52050
Bayruns, R.J., Johnston, R.L., Fraser, D.L., Jr., Fang, S.C. Predicting the switching speeds of Si NMOS gigabit per second logic circuits 4—58275
Bayruns, R.J. *see* Ng, K.K. 4—36867
Bays, A.R. *see* Duckworth, K. 4—39687
Bazarkin, A.N., Lash, A.A., Yundev, D.N. Experimental study of submillimeter radiation patterns produced by HCN waveguide laser and HCN laser-excited oversized hollow dielectric waveguide 4—59581
Bazarov, E.I., Polukhin, A.T., Sverchkov, E.I., Telegin, G.I. Optical nonreciprocity of a fiber ring interferometer induced by nonstationary processes in the single-mode fiber lightguide 4—31140
Bazarov, E.N., Gerasimov, G.A., Gubin, V.P., Sazonov, A.I., Starostin, N.I., Fomin, V.V. Waveguide CO_2/OsO_4 laser with a frequency stability of 10^{-13} 4—42553
Bazarov, E.N. *see* Alekseev, E.I. 4—42394
Bazarov, Ye.N., Polukhin, A.T. Excitation of sound and the occurrence of additional losses in unimode fiber light guide when transmitting amplitude-modulated optical waves 4—37707
Bazelyan, E.M. *see* Babinov, M.B. 4—44797
Bazhenov, I.A. Supplying 0.4/0.23 kV loads of power plant auxiliary power systems 4—56482
Bazin, C. *see* Billardon, M. 4—47383
Bazin, C. *see* Deacon, D.A.G. 4—52829
Bazin, C. *see* Elleaume, P. 4—42500
Bazovsky, I., Benz, G.E. Mechanical R&M modeling and simulation methods 4—46020
Bazques, E., Strom, D. Cogeneration and interconnection technologies for industrial and commercial use 4—40128
Bazykin, R.V. The load capacity of busbars with a biconcave cross section 4—57270
Bazyl', O.K. *see* Maier, G.V. 4—42512
Beach, B. *see* Ketzner, J. 4—29896
Beach, R. Functional partitioning in distributed systems 4—48267
Beach, R., Brody, B., Hartmann, S.R. Angled-beam photon echoes 4—37443
Beacher, J. The best kept secrets of videotex 4—54221
Beachley, N.H., Anscomb, C., Burrows, C.R. Evaluation of split-path extended range continuously-variable transmissions for automotive applications 4—35007
Beacken, M. Efficient implementation of highly variable bandwidth filter banks with highly decimated output channels 4—51461
Beacken, M., Li, H. Evaluation of signal processing architectures via an integrated simulation environment 4—51311
Beagley, K. Keep the juice flowing [power supplies] 4—40309
Beagley, K. Switching made easy 4—48331
Beahm, L.P. *see* O'Sullivan, D. 4—55885
Beakley, J.E. *see* McFillin, J.F., Jr. 4—44892
Beal, A. Power measurement aids industrial housekeeping 4—49645
Beale, N. HILAN: a development for engineers 4—43754
Beales, K.J. *see* Ainslie, B.J. 4—37111, 4—59197
Beales, K.J. *see* France, P.W. 4—47253
Beales, K.J. *see* Rush, J.D. 4—52682, 4—59226
Beam, D.L., Marcuz, A., Reedy, D.C. Process for making a dichromated gelatin holographic disk 4—53097
Beames, B.G. *see* Colston, E.L. 4—49544
Bean, J.C., Feldman, L.C., Fiory, A.T., Nakahara, S., Robinson, I.K. Ge_xSi_{1-x}/Si strained-layer superlattice grown by molecular beam epitaxy 4—46222
Bean, J.C. *see* Stern, M.B. 4—51898
Bean, P., Levine, J., Rampacek, J. Testability requirements for MATE power supply controller and MATE multifunction unit 4—44421
Bean, V.E. *see* Sharma, J.K.N. 4—39355
Beard, K.V. Oscillation models for predicting raindrop axis and backscatter ratios 4—47596
Beardsley, I.A., Tsang, C. Sharp transitions in perpendicular recording 4—31005
Beare, A.N., Dorris, R.E. A simulator-based study of human errors in nuclear power plant control room tasks 4—45245
Bearzatto, C., Bergemann, H. 18 GHz klystron for satellite television 4—54685
Beasom, J.D. A high performance high voltage lateral PNP structure 4—36559
Beastrom, R. *see* Abramson, P. 4—56683
Beaton, R.J., Monty, R.W., Snyder, H.L. An evaluation of system quality metrics for hard-copy and soft-copy displays of digital imagery 4—53849
Beattie, R.W., Donaldson, G.B., Moore, D.F. Resistance of Nb-Pb-alloy Josephson tunnel junctions at cryogenic and ambient temperatures 4—52505
Beatty, M.E., III *see* Aanstoos, J.V. 4—53935
Beaty, E.C. *see* Petersen, F.R. 4—31314
Beaubien, R.S. *see* Greiling, P.T. 4—29821
Beauchamp, E.D. Advancements in cooling power electronics equipment for rolling stock 4—50183
Beaucousin, J.C., Montanari, G. Method for implementing a high speed adapter 4—32538
Beaudry, B.J. *see* Takeshita, T. 4—36303
Beaujean, R. *see* Berndt, M. 4—55959
Beaujean, R. *see* Krause, J. 4—55867
Beaujean, R. *see* Sermund, G. 4—55857
Beaujean, R. *see* Wuhnsen, P. 4—55894
Beaulieu, L. *see* Molinet, F. 4—42926
Beaumont, J. Bulk tank system uses roof-mounted gyros 4—33507
Beaumont, L.R. The No.1 packet switch network control system 4—32440
Beauquet, G. *see* Dubost, G. 4—31761
Beauregard, Y.de *see* de Beauregard, Y.
Beaurtey, R. Uninterruptable AC power supply 4—56533
Beaver, J.E., Lasden, M. Shielding computers from power mishaps 4—49622
Beaver, W.D. Thickness modes in circular AT-cut quartz plates with circular electrodes 4—30894
Bebb, W.A. Deep heat—new concept in electric space heating 4—57577
Bebel, J.C., Lytle, F.E., Santini, R.E. Sine-wave modulated UV radiation generated with a cavity dumped frequency-doubled argon-ion laser 4—37440
Bebelaar, D. *see* Bruckner, V. 4—59602
Bebikh, N.V., Denisov, A.I. Spectral-correlation processing of signals in different orthogonal bases 4—53647
Becchetti, F.D., Dockrill, A.G. LCD devices for overhead projectors 4—39236
Bechade, R.A. *see* Erdelyi, C.K. 4—51298
Bechard, R.R., Newbury, G.E. Chip salvage head: removes good chips from bad modules for reuse 4—47085
Bechasnov, A.M. *see* Angel'skii, A.N. 4—32881
Bechgaard, K. *see* Tomic, S. 4—58759
Bechhofer, R.E. The use of Monte Carlo sampling to study the performance of a sequential procedure for selecting the best Bernoulli population 4—40913
Bechini, A. *see* Bellazzini, R. 4—49089
Bechtler, H.J., O'Dell, R.N. Green sheet separator 4—51671
Bechtold, V., Friedrich, L. An ECR-technique to intensify polarized beams in the Karlsruhe Lamb shift source LASKA 4—61628
Beck, A.H.W. *see* Hu, Q.L. 4—31730
Beck, C. Computer evaluated layout design rules for integrated circuits 4—58997
Beck, E.C. *see* Avanessians, A.A. 4—54499
Beck, F., Krohn, H. A lead/graphite accumulator using aqueous hydrofluoric acid 4—34854
Beck, G. *see* Kunst, M. 4—46897
Beck, H.-P. *see* Schutte, U. 4—38353
Beck, J., Dobberpuhl, D., Doherty, M.J., Dorenkamp, E., Grondalski, B., Grondalski, D., Henry, K., Miller, M., Supnik, B., Thierauf, S., Witek, R. A 32-b microprocessor with on-chip virtual memory management 4—51304
Beck, J., Spencer, J. Integral approximation sequences 4—50700
Beck, J.C. Fluorescent indicators—the luminosity of LED with the flexibility of LCD 4—48972
Beck, J.D. *see* Schaake, H.F. 4—30497
Beck, J.S. High performance VSWR measurements 4—61452
Beck, O. *see* Frank, F. 4—49301
Beck, P.O. *see* Armstrong, R.D. 4—46110
Beck, S., Hagmann, D., Metzger, G. Method of determining an N^+ area in an N^- environment [by anodic etching] 4—30533
Beck, W. CCITT draft recommendation updating V25 4—54115
Beck, W.A., Byer, N.E. Calculation of tunneling currents in (Hg,Cd) Te photodiodes using a two-sided junction potential 4—37218
Becker, C.H. Erasable magneto-optical laser mass memory 4—47308
Becker, D. ISDN—the new facilities for the user 4—54086
Becker, G.E. *see* McNevin, S.C. 4—36469, 4—46946
Becker, H. *see* Schmunk, R.E. 4—59176
Becker, H.-J. *see* Backes, P. 4—45749
Becker, J.J. Rapidly quenched metals for permanent magnet materials 4—31032
Becker, J.J. *see* Overfelt, R.A. 4—36994
Becker, K., Muller, A., Vogel, H. Precision distance measuring equipment for the microwave landing system 4—38712
Becker, K. *see* Kramer, D. 4—33623
Becker, K.A. *see* Beex, A.A. 4—60095
Becker, K.-P. Known direction. Four-fold evaluation for incremental pulse generator [rotary drives] 4—40528
Becker, L.G. Computer and communication systems security: policy considerations in a technological age 4—38176
Becker, L.R. Induction heating for automatic forging 4—57602
Becker, M. *see* Grasse, W. 4—62460
Becker, M. *see* Ko, C.-D. 4—45032
Becker, M. *see* Pian, G. 4—29409
Becker, M.E. *see* Kosmowski, B.B. 4—39338
Becker, N.M. *see* Pettitt, R.A. 4—34459
Becker, P.W., Hansen, E.B. On systems' reliability and redundancy 4—35342
Becker, R., Dietrich, F., Nurnberger, G. Character and structural change of modules in the electric instrument manufacture 4—50537
Becker, R., Neumann, K., Kunzmann, K., Tiesler, J., Bruschke, R.-E., Redlich, D. Development and design of a system of units of devices for a wide field of use in electrical engineering/electronics 4—50483
Becker, R. *see* Bernstein, J. 4—53548
Becker, R.A. 'Thermal fixing' of Ti-indiffused $LiNbO_3$ channel waveguides for reduced photorefractive susceptibility 4—52545
Becker, R.A. Broad-band guided-wave electrooptic modulators 4—52704
Becker, R.A., Johnson, L.M. Low-loss multiple-branching circuit in Ti-indiffused $LiNbO_3$ channel waveguides 4—42408
Becker, R.A., Woodward, C.E., Leonberger, F.J., Williamson, R.C. Wide-band electrooptic guided-wave analog-to-digital converters 4—60194
Becker, R.C. *see* Beyer, J.B. 4—36049
Becker, T., Hansler, E., Schultheib, U. Problems with compensating acoustical echoes 4—47630
Becker, T.H. *see* Britton, C.L. 4—39503
Becker, U., Berges, P., Scheidker, E., Seiler, P., Ye, C.H., Willmott, C. Resolution study for large drift chamber systems 4—39412
Becker, W., McIver, J.K., Scully, M.O., Zubairy, M.S. Coherence and fluctuations in the free-electron laser: a fully quantum mechanical approach 4—47388
Becker, W.M. *see* Kolodziejski, L.A. 4—58015
Beckerich, S.R. *see* Hamm, S.D. 4—36910
Beckett, J. Viewdata explained 4—60443
Beckett, V.S., Clarke, J.R. Steam generator design for Sizewell B PWR 4—49702
Beckley, P., Snell, D. Magnets for high security lifting 4—42774
Beckman, L. Is data communication profitable? 4—38338
Beckman, L. The telephone authority demands: formal specification of software 4—43634
Beckman, W.A. *see* Howe, R.R. 4—40629
Beckmann, B. Boundary-layer microphones with directional characteristics 4—44343
Beckmann, K. Eight years of in-orbit experience with the HELIOS solar probe thermal control subsystem 4—44882
Beckmann, L.H.J.F. Electro-optical sensor for use in automated arc welding 4—55439
Beckmann, M.J., Subramanian, R. Optimal replacement policy for a redundant system 4—40885
Beckmann, R. *see* Vater, P. 4—55949
Beckwith, P.J. *see* McLeary, R. 4—42561
Beckwith, S.K. *see* Swanson, R.M. 4—45646
Becpalov, V.Ya., Anfinogentov, O.N., Moshchinskii, Yu.A. Iron losses in induction motors under transient operating conditions 4—40252
Bector, C.R., Jolly, P.L. Programming problems with pseudo-monotonic objectives 4—46156
Bedair, S.M. Prospects of cascade solar cells 4—50069
Bedair, S.M. *see* Maracas, G.N. 4—61379

Bedair, S.S., Sobhy, M.I. Tolerance analysis of shielded microstrip lines 4—41539
Bedard, G. *see* Missout, G. 4—45001
Beddoes, M.P., Wada, J.A. Comments on parametric and non-parametric detection of epileptiform spike activity 4—61802
Beder, E.G. *see* Lucci, A.D. 4—39668
Bederman, S., Sy, K.K., Waller, R.H. Retransmission using stored CRC values 4—32390
Bedertdinov, T.A., Raev, V.K. Cylindrical magnetic domain dynamics in current-access systems 4—37039
Bedeschi, F. *see* Amendolia, S.R. 4—49068
Bedford, A.J. Rail damage in a small calibre rail-gun 4—42811
Bedford, A.J. Rail damage and armature parameters for different railgun rail materials 4—42812
Bedford, A.J. *see* Clark, G.A. 4—42794, 4—42828
Bedford, A.J. *see* Stainsby, D.F. 4—42808
Bedford, M. Universal EPROM programmer 4—29852
Bedford, M.D. Real time clock/calendar 4—29962
Bedlair, S.M. *see* Timmons, M.L. 4—37246
Bednar, J., Beroun, J., Marka, F., Urban, M. Melnik III power station, first power station in Czechoslovakia with 500 MW block 4—45308
Bednar, J.A. *see* Bennett, R.L. 4—32450
Bednar, J.B., Watt, T.L. Alpha-trimmed means and their relationship to median filters 4—31970
Bednar, R.A., Smith, R.M. Ambiguity functions for quadratic phase-coded pulse trains 4—44147
Bednarczuk, E. Duality and stability theorems for convex multivalued constrained minimization problems 4—35384
Bednarski, A. *see* Zalewski, J. 4—42201
Bednarz, J.P. *see* Carlin, D.B. 4—53012
Bednenko, V.S., Kozlov, A.N. Reliability of heart examination by ultrasound 4—33801
Bednorz, J.G., Gueret, P.L., Pohl, W.D., Widmer, D.F. Piezoelectric XY translator 4—44490
Bedrosian, S.D. Automated pattern recognition application to VLSI testing 4—30741
Beebe, E.D. *see* Liao, A.S.H. 4—37228
Beech, J.C., Davis, S.V., Horrabin, C.W., Johnstone, W.T., Silversides, W., Spurling, K. Remote real time oscilloscope displays for accelerator diagnostics on the tandem Van de Graaff at the Daresbury Laboratory 4—33598
Beech, W.E. *see* Paul, C.R. 4—59782
Beeden, K.J. Karnaugh map display 4—35741
Beehler, J.E. Trends of high voltage switchgear requirements strongly interconnected systems 4—39906
Beek, F.J.Op de *see* Op de Beek, F.J.
Beek, F.M.van *see* van Beek, F.M.
Beek, H.F.van *see* van Beek, H.F.
Beeler, J. Rolm in the fast lane 4—32552
Beene, H. Ultrasonic detection of rail faults 4—56371
Beenker, G.F.M. A note on extended quadratic residue codes over GF(9) and their ternary images 4—43110
Beenker, G.F.M. *see* Claasen, T.A.C.M. 4—43075
Beensh-Marchwicka, G., Krol-Stepniewska, L., Misiuk, A. Influence of annealing of the phase composition, transmission and resistivity of SnO_x thin films 4—36283
Beer, A., Bonaudi, F., Bonnefoy, L., Borghini, M., Bourgeois, F., Clark, A.G., Chapuis, J.-M., Cholley, Y., Corre, A., Critin, G., Darriulat, P., Di Lella, L., Dorsaz, P.-A., Gildemeister, O., Gurrieri, G., Hansen, J.R., Himel, T., Hungerbuhler, V., Jenni, P., Mapelli, L., Marcelin, J.-P., Pflumm, H., Ringel, J., Rothenberg, A., Schuler, G., Siegrist, J.L., Sigrist, A., Wicht, P., Zankel, K. The central calorimeter of the UA2 experiment at the CERN $\bar{p}p$ collider 4—61682
Beer, A.C. *see* Willardson, R.K. *(editor)* 4—45830
Beer, J. *see* Drechsel, H. 4—55953
Beer, J. *see* Sonntag, S. 4—55911
Beer, J. *see* Trakowski, W. 4—55912
Beer, M., Frank, M., Grow, R., Holst, T., Matwijiszyn, W., Mayr, W. New data acquisition and display system at Isar-1 [nuclear power plant] 4—61282
Beer, W., de Boer, F.W.N., de Chambrier, G., Eckhause, M., Giovanetti, K.L., Goudsmit, P.F.A., Jeckelmann, B., Knecht, L., Leisi, H.J., Piller, O., Ruetschi, A., Schwitz, W. 'Astronomical' angular resolution with the bent-crystal spectrometer at SIN 4—49102
Beerden, L. *see* Janssen, H.J. 4—50349
Beerens, J. *see* Mercy, J.M. 4—51843
Beernaert, D. Experience in 3-micron processing: a 10 volt *n*-well CMOS process 4—52280
Beers, A.M., Hintzen, H.T.J.M., Bloem, J. Solid state transitions during the growth of silicon by chemical vapour deposition 4—35509
Beers, A.M., van der Linden, H.A., Bloem, J. Surface morphology of polycrystalline silicon films formed by chemical vapour deposition 4—35503
Beesley, L. *see* Carter, A.G. 4—45575
Beesley, P. Vacuum switchgear for medium voltage applications 4—62663
Beet, S.W. Low distortion input selector for audio use 4—38930
Beeteson, J.S., Chase, B.D., Sowter, B.R., van den Oever, W.E. Control of CRT contrast by internal etching 4—33159
Beeteson, J.S., Strain, C.G. Line pairing and flicker reduction in interlaced cathode ray tube displays 4—33165
Beex, A.A. Soft constraint iterative reconstruction from noisy projections 4—53715
Beex, A.A., Becker, K.A. Spectral estimation and matched filter performance 4—60095
Beffel, R.R., Chapdelaine, N.K., Pieper, M.K., Zajac, M.L. Data error detection and recovery in a distributed system using audit programs 4—32585
Bega, G. LV distribution panels for camp sites 4—56579
Begal'skii, A.Ya., Iog, V.I. Overload capacity of double-fed machines 4—49836
Begasse, P. Self-instructing stepping motors for automation system 4—45467
Begehr, D. Call numbers storage with universal LC module display 4—39243
Begehr, D. *see* Jurss, K.-U. 4—39240
Begemann, G., Roker, W. A digital concept for a service integrated wideband communications system. [BIGFON] 4—54592
Begemann, S.H.A. Energy conservation and lighting trends 4—62813
Begemann, W. *see* Carter, G. 4—42006
Begoulev, V.B. *see* Yakovlev, E.N. 4—55743
Begzhanov, R.B. *see* Romanovskii, E.A. 4—49075, 4—61699
Beha, H. ROM sense bus [Josephson technology] 4—58325
Behar, C. Databases for computer-aided maintenance 4—45932
Behbahani, A., Miller, D.W. An analytical response model of neutron sensors used in reactor instrumentation 4—34339
Behbahani, A. *see* Miller, D.W. 4—34283
Behbahani, A. *see* Talnagi, J.W. 4—34335
Behe, R., Bills, R., Brachat, P., Desvilles, J.L., Guiraud, J.L., Portier, G. A rigorous approach for primary feeds. Applications to satellite antennas 4—31802
Behe, R., Bills, R., Brachat, P., Desvilles, J.L., Guiraud, J.L., Portier, G. A rigorous approach for primary feeds. Applications to satellite antennas 4—42998
Behl, D., Namboodiry, E.V.S. Liquid hydrogen available in India for space applications 4—56251
Behmann, F.F., Nawar, G.Y. Satellite systems availability and effectiveness 4—48440
Behmenburg, W. *see* Heinrich, J. 4—31467
Behn, I.M., Dimmer, J.P., Diaz-Tous, I., Krebs, E.P. Chromate conversion treatment demonstration at Long Island Lighting Company 4—49749
Behn, R., Do, H., Kjelberg, I., Krug, P.A., Salito, A., Siegrist, M.R., Weisen, H. A high energy D_2O laser for plasma diagnostics 4—42563
Behringer, U., Bohlen, H., Nehmiz, P., Zapka, W. Lithographic registration pattern [for electron beam technology] 4—52202
Behringer, U. *see* Speidel, R. 4—30245
Bei, Yu.M., Neugodnikov, Yu.P., Neugodnikov, V.P. Electronic protection of an inverter against reversal 4—45518
Beiermann, N., Kretschmer, H., Eichler, R., Flamig, E., Kath, U., Witke, W. Velocity measurement of volume and mass flows by means of a delay time correlation method 4—39358
Beil, D., Rehak, M. The modulator-tuner-IF combination of the new generation of video recorders 4—38876
Beili Zhu *see* Zhu Beili
Beinarovich, V.A. *see* Arzhanov, V.V. 4—40536
Beis, U., Gartner, K., Richter, B. Concept of a CCTV solid-state storage system 4—61076
Beitner, M. Short-circuit proof output interface for 12 V/24 V actuator control 4—46347
Bejjani, F.J., Josephson, K.A., Thornton, R.B., Jr. The lifting stress calculator 4—56069
Bek, S., Konarzewski, J., Wiecek, B., Wronski, A. Computer-aided processing of results from tests of capacitor parameters 4—51568
Bek, Z. *see* Raseta, M. 4—56971
Bekefi, G. *see* Fajans, J. 4—52858
Bekefi, G. *see* Shefer, R.E. 4—30264, 4—30265
Bekefi, G. *see* Yin, Y.Z. 4—31284
Bekelaer, K. *see* Tiedemann, C. 4—38241
Beker, H.J. A survey of encryption algorithms 4—31896
Bekeris, Yu.Ya., Virtmanis, A.S., Feltinsh', I.A., Freiberga, L.A. Ionic processes in MIS structures with plasma-grown SiO_2 4—58808
Bekesha, S.N. *see* Akhromenko, Yu.G. 4—58007
Beketov, N.P., Ratanov, G.S. High-speed data input circuit for the Elektronika-60 computer 4—48788
Beketova, V.V. *see* Naidich, Yu.V. 4—29242
Bekey, G.A. *see* Antonelli, D.J. 4—56133
Bekey, G.A. *see* Kumar, A. 4—53566
Beklemishev, N.N. Working of conducting materials by means of a locally nonuniform pulsed electromagnetic field 4—30121
Bekov, G.I. *see* Yakovlev, E.N. 4—55743
Bekris, P.D. *see* Kourkoutas, C.D. 4—30336
Bekshaev, A.Ya., Grimblatov, V.M. Directivity of radiation leaving a misaligned resonator with a lenslike medium 4—42666
Bekuan Liu *see* Liu Bekuan
Bela, S. Report on particle physics, electronics experiments and data collectors—review of working methods 4—33651
Belair, J., Holmes, P. On linearly coupled relaxation oscillations 4—58195
Belan, J.P., Choquet, B. Solid state colour camera simulator: preliminary results 4—61049
Beland, J. *see* Missout, G. 4—45001
Belanger, A., Gauthier, M., Fauteux, D. Use of the junction between two solid electrolytes for the potentiometric measurement of gaseous oxides 4—44491
Belanger, G., Vijh, A.K. Recent trends in hydrogen energy in Canada with a focus on work at the Institut de Recherche d'Hydro-Quebec (IREQ) 4—34818
Belanger, P.A. *see* Piche, M. 4—42510
Belaz, C. The economics of heat supply from nuclear power stations 4—49700
Belaza, J. *see* Antuenz, F. 4—49254
Belbel, E. *see* Meunier, G. 4—34795
Bel'byakova, A.I. *see* Ablozhyavichyus, I.P. 4—39959
Bel'chenko, Yu.I., Dimov, G.I. Pulsed multiampere source of negative hydrogen ions 4—61644
Belcher, E.O. *see* Richards, M.A. 4—60012
Belden, L.K. Toward automatic testing of flight software 4—49383
Belecher, D.E. *see* Ficke, D.C. 4—33812
Belenets, Yu.P. *see* Gurvits, A.E. 4—62865
Belenov, E.M., Bykovskii, A.Yu., Kompanets, I.N., Parfenov, A.V., Poluektov, I.A., Popov, Yu.M., Sagitov, S.I., Soboleva, E.M., Sobolev, A.G., Uskov, A.V. Excitation of surface plasma oscillations and their study in structures with spatially inhomogeneous boundary conditions 4—30471
Belevich, A.I. *see* Zinger, N.M. 4—40621
Belforte, P., Bostica, B., Masina, V., Pilati, L. Design and development of an LSI digital switching element (ECI) 4—43869
Belforte, P., Chiampi, M. A finite-element formulation for electromagnetic devices supplied by alternating voltages 4—37542
Belforte, P., Garetti, E. A new generation of LSI switching networks 4—60593
Belham, N.D.N. Is your FM bandwith necessary? 4—43078
Belham, N.D.N. A Droitwich-locked frequency reference for carrier frequencies of 200 and 198 kHz 4—43990
Belikov, V.T., Ivlev, A.D., Sitnichenko, V.M. Linear direct current electric motor for the electric drives of industrial mechanisms 4—34692
Belinskii, A.V. Laser probing of transparent media with the aid of high speed photography 4—47539
Belisle, K.M., Jackson, C.K. EMI design techniques for decoupling and isolation of microcircuits 4—37640
Belkerdid, M.A. *see* Riche, S.M. 4—52401
Belkin, Ya.I. *see* Yanovskii, L.P. 4—40076
Bell, A. Makaira—versatile communications for coastal and archipelago protection vessels 4—38472
Bell, A.T. *see* Flack, W.W. 4—58976
Bell, B.A., Perrey, A.G. Peak conductance measurements of GaAs switching devices 4—59331
Bell, B.A. *see* Andrews, J.R. 4—39205
Bell, B.W., Koliopoulos, C.L. Moire topography, sampling theory, and charged-coupled devices 4—39181
Bell, C.E., Dzwonczyk, D.M. Performance testing of the Galileo attitude control system 4—44840
Bell, C.G. Dual trace adaptor [cathode ray oscilloscopes] 4—29737
Bell, D. *see* Bernstein, J. 4—53548
Bell, D.L. *see* LeVert, F.E. 4—34341
Bell, H.B. *see* Light, R.W. 4—30572
Bell, L.D. *see* Coleman, R.V. 4—36356
Bell, M. *see* McFee, J.E. 4—48726
Bell, M.J., Jr., Jenkins, W.K. A residue to mixed radix converter and error checker for a five moduli residue number system [digital signal processing] 4—58429
Bell, R. *see* LeClair, K. 4—58384
Bell, R. *see* Rahman, M.F. 4—40273
Bell, R.K., McFarland, T.K. 16-bits to 32-bits paradox or panacea 4—41398
Bell, R.N. *see* O'Donnell, P. 4—62499
Bell, R.O. *see* Lambropoulos, J.C. 4—29461
Bell, W.R. *see* Smith, D. 4—55655
Bellamy, N.W., Peatfield, A.M. Further development of the Sea-clam wave energy converter 4—34485
Belland, P. Improvement of the output beam polarization of a monomode CW 119 μm H_2O vapor laser 4—59419

Belland, P., Gastaud, C., Redon, M., Fourrier, M. New CW FIR laser emissions from CO_2 laser-pumped vinyl bromide 4—52874
Bellanger, M.G. *see* Evci, C.C. 4—53679
Bellarbi, L., Mamouni, A., Van de Velde, J.C., Leroy, Y. Accurate localisation of thermal gradients in lossy materials by correlation microwave thermography 4—44721
Bellarbi, L. *see* Mamouni, A. 4—33821, 4—44732
Bellardo, A., Lovati, G. Performances of thick film resistors with reduced dimensions 4—41611
Bellazzani, R., Del Guerra, A., Massai, M.M., Nelson, W.R., Perez-Mendez, V., Schwartz, G. Some aspects of the construction of HISPET: a high spatial resolution positron emission tomograph 4—33818
Bellazzini, R., Brez, A., Del Guerra, A., Massai, M.M., Torquati, M.R., Bechini, A., Gennaro, G., Franchi, M., Perri, G. Digital imaging with a pressurized xenon filled MWPC working at a high data rate 4—49089
Bellazzini, R. *see* Coppini, G. 4—44718
Bellazzini, R. *see* Mulera, T. 4—33679
Bellchambers, W.H., Francis, J., Hummel, E., Nickelson, R.L. The International Telecommunication Union and development of worldwide telecommunications 4—53987
Bellen, A. One-step collocation for delay differential equations 4—50706
Bellen, A., Zennaro, M. A collocation method for boundary value problems of differential equations with functional arguments 4—41018
Beller, W.S. Streamlining the permit process for ocean discharges 4—61992
Belleval, J.F.de *see* de Belleval, J.F.
Bellini, A., Figalli, G., La Cava, M. A sub-optimal control strategy for AC drives suitable to be implemented on a microcomputer-based system 4—34980
Bellini, A., Figalli, G., La Cava, M. A discrete feedback suboptimal control for induction motor drives 4—57425
Bellini, A., Figalli, G., Ulivi, G. A microcomputer-based control system for an inverter supplying state feedback controlled induction motors 4—49982
Bellini, S., Sonzogni, M., Tartara, G. Efficient discriminator detection of continuous phase modulation 4—31855
Bellini, S., Sonzogni, M., Tartara, G. Noncoherent detection of tamed frequency modulation 4—37821
Bellini, V. *see* Julien, J. 4—33690
Bellis, R.F., Keeler, D.G., Klimanis, V.D., Palmer, R.R., Shen, M.N. Sequencing surge block/resistor bed biasing scheme 4—34222
Bellis, R.F., Klimanis, V.D., Montegari, F.A., Shen, M.N. High speed sense amplifier and dual-phase output circuit 4—29865
Bellmann, R. Trickle maintenance charge of lead batteries using R-20 primary cells 4—57161
Bello, D.S. *see* Cade, R. 4—31571
Bello, P.A., Pahlavan, K. Adaptive equalization for SQPSK for SQPR over frequency selective microwave LOS channels 4—54625
Bellomi, A., Pacas, J.M., Spath, H. Stability analysis of the doubly fed asynchronous machine using a linearized model 4—34640
Bellomo, G., Serafini, L. Design of the magnetic field for the Milan superconducting cyclotron 4—55790
Bellon, A. *see* Saucier, G. 4—30738
Bellon, B. *see* Damelincourt, J.J. 4—62799
Bellon, C., Robach, C., Saucier, G. An intelligent assistant for test program generation: the 'SUPERCAT' system 4—36754
Bellon, C., Saucier, G. Intelligent assistance for test program generation 4—30736
Bellotti, E., Cremonesi, O., Fiorini, E., Liguori, C., Ragazzi, S., Rossi, L., Traspedini, L., Zanotti, L. Xenon time projection chamber for $\beta\beta$ decay 4—33635
Bellows, J.C. *see* Baldino, F.X. 4—49674
Bellows, R.J., Elspass, C., Einstein, H., Grimes, P., Kantner, E., Malachesky, P., Newby, K. Zinc-bromine batteries for bulk energy storage 4—40423
Bel'man, M.Kh. Transient behaviour analysis for a nonlinear circuit with impulsive supply 4—40320
Belmans, R., Heylen, W., Vandenput, A., Geysen, W. Influence of rotor-bar stiffness on the critical speed of an induction motor with an aluminium squirrel cage 4—62526
Belokopytov, A.Yu., Karchemskii, F.S., Tseitlin, M.S. Loading capacity of composite high power cable lines 4—62196
Belokurov, A.A., Gavrikov, L.A. Device for interfacing a radar station to a digital magnetic recorder 4—32852
Belokurova, I.N., Degtyarev, V.F., Skudnova, E.V. Effect of electron irradiation on the properties of Ge-Si solid solutions alloyed with Cu 4—30372
Belokurova, N.V., Berdnik, V.I., Kosmarskii, L.N. Variable discharger for the shaping of nanosecond pulses 4—51066
Belotelov, S.V., Korshunov, A.B., Smirnitskii, V.B., Solyakov, A.N., Shesterikov, S.A. Doping of *p*-type InSb with 'hot' sulfur ions (properties of *p-n* junctions) 4—36315
Belotitskii, V.I. *see* Petrov, M.P. 4—59282
Belotserkovskii, V.I., Vasil'ev, E.V. Improved methods and means of checking resistance thermometers 4—33269
Belouet, C. *see* Mautref, M. 4—34888
Belousov, A.N., Grinenko, V.I., Nurkas, V.G., Poloskov, S.I., Kurbatov, A.M. The SA-120M2 automatic equipment for welding circuits of RBM-K nuclear reactors 4—45800
Belousov, A.V. *see* Kovarskii, V.A. 4—41805
Belousov, A.V. *see* Shchebet, A.I. 4—61715
Belousov, G.D., Buryakov, V.L., Kilin, S.F., Kozlov, O.V., Kushakevich, Yu.P., Rozman, I.M. Measurement of the collection time of light in plastic scintillators 4—49080
Belousov, I.A., Saxchenko, A.A., Kochan, V.V. Digital thermometer with linearisation unit on slide wire 4—55541
Belousov, V.I. *see* Abubakirov, E.B. 4—36218
Belousov, V.S. *see* Sinel'nikov, V.Ya. 4—62169
Belousov, Yu.F., Zhukova, O.Yu. Approximate analysis of voltages transferred to electrical networks 4—56595
Belousova, T.Ya., Vlasova, N.A., Panasyuk, M.I., Filippychev, S.A., Myasnikov, A.G., Sosnovets, E.N., Gladkikh, L.M., Izupak, E.A., Iordanoshvili, E.K. Active cooling of semiconductor detectors designed to detect charged particles in outer space 4—49072
Belov, A.V., Dianov, E.M., Guryanov, A.N., Hopin, V.F. Mode attenuation at 1.39 μm in graded-index fibres 4—47250
Belova, A.M. *see* Styrikovich, M.A. 4—39966
Belova, S.A. *see* Prokof'eva, N.K. 4—41051
Belovic, V. *see* Hromada, S. 4—49795
Belovolov, M.I., Gur'yanov, A.N., Gusovskii, D.D., Dianov, E.M., Karpov, V.I. Fiber-optic communication line with multimode waveguides for data transfer over distance up 8 km 4—59247
Belser, K.A. Magnetic bubble module thermal enhancement using a magnetic fluid with filter 4—31044
Belson, J., Wilson, I.H. Ion beam fluorination of polysilicon coated thermal oxide on silicon 4—36431
Belson, J. *see* Bangert, U. 4—36345
Beltran, N. *see* Groeseneken, G. 4—30654
Bel'tyugov, V.N., Troitskii, Yu.V. Producing linear polarisation in a laser by interference selection of modes and generating lines 4—37415
Beluche, C.M. The new Venezuelan National Control Center 4—56466
Belud, D. Contactless dimensional gauging through optical methods: a new, efficient apparatus for the supervision of machinery and mass production 4—35077
Belyachits, A.Ch., Kukharchik, P.D., Semenchik, V.G. Apparatus to measure the amplitude and phase of microwave fields 4—61513
Belyaev, A.V. Improvement of automatic working and protection of transformer substations manufactured by the BEZ plant 4—40301
Belyaev, G.P., Fainberg, V.S. Technical and economic utilisation efficiency of ash and slag in heat and electricity generating plants 4—45280
Belyaev, L.S., Krumm, L.A. Applicability of probability methods in energy calculations 4—45047
Belyaev, L.S. *see* Akhmedov, R.B. 4—40365
Belyaev, O.F. *see* Danilyuk, V.S. 4—61284
Belyaev, S.A., Darevskii, A.S., Korolev, V.S., Mityukhlyaev, V.B. Studies of solar cells using a scanning optical microscope 4—40446
Belyaev, S.V., Krasil'nikov, M.V., Morozov, A.I., Pol'skikh, E.D. Characteristics of piezoelectric transducers using polycrystalline films of polycyclic organic compounds 4—62013
Belyaev, V.P. *see* Aleinikov, V.S. 4—44776
Belyaev, Yu.I. Thermoelectric information converters 4—39157
Belyaevskii, O.A., Gladyshev, I.L., Korobochko, Yu.S., Mineev, V.I. Response of channel-type electron multipliers in the counting mode 4—36236
Belyaevskii, O.A., Gladyshev, I.L., Korobochko, Yu.S., MIneev, V.I. Large-entry-window detector consisting of a microchannel plate and a channel-type electron multiplier 4—46782
Belyakov, N.N., Lokhanina, N.I., Rashkes, V.S. Operation of 750 kV lines with decreased number of shunting reactors 4—39896
Belyakov, N.N., Ziles, L.D., Kamneva, N.P., Kuz'micheva, K.I., Rashkes, V.S., Khoetsian, K.V., Ivanovski, A. Study of OAPV in 750 kW transmissions with a four-beam reactor 4—39935
Belyakov, V.M., Penkin, V.N. Development and adoption of industrial television in boiler units 4—34393
Belyakov, Yu.S., Moskaleva, R.P. Line cross-induction in calculating network currents 4—56544
Belyakova, G.M. *see* Buzinov, V.S. 4—55615
Belyakova, G.M. *see* Tishchenko, V.A. 4—33396
Belyanina, L.M., Averbukh, S.G. Application program package for metrological testing of digital instruments, based on a small electronic computer system 4—50565
Belyi, L.A. *see* Chaban, V.I. 4—49834
Belyi, V.I., Smirnova, T.P., Zakharchuk, N.F. On the problem of elemental B^V material in the interface of native oxide/$A^{III}B^V$ structures 4—30552
Belykh, V.N., Melnikova, V.A., Pashev, G.P. Dynamics of an AFC system containing a frequency-phase detector 4—47868
Bem, D.J. Prospects of HF communication 4—32639
Bem, D.J. Satellite telecommunication 4—44036
Bem, D.J. Spread-spectrum systems 4—60653
Bem, D.J., Zernicki, E. Measurements of antenna radiation patterns and power gain by means of a helicopter 4—48979
BeMent, S.L. *see* Veeneman, D.E. 4—60004
Ben Brahim, A. *see* Raisin, C. 4—46963
Ben Uri, J. Three-level multivariable phase locked loop drives specially suitable for numerical control of machine tools 4—50260
Ben Wang *see* Jian-Zhong Jiao 4—42724
Ben-Jacob, E., Bergman, D.J. Thermal noise effects on the microwave-induced steps of a current-driven Josephson junction 4—31075
Ben-Yosef, N. *see* Sirat, G. 4—37184
Ben-Zvi, I. Superconducting linacs used with tandems 4—33572
Ben-Zvi, S. Inaccurate temperature sensors 4—44708
Benage, J.F., Jr. *see* Chamberlin, E.P. 4—61627
Benaim, M. A model for the evaluation of instructional methods 4—50354
Benalloul, P., Benoit, J., Duran, J., Evesque, P., Geoffroy, A. Diffusion and trapping in ZnS:Mn electroluminescent thin films 4—52775
Benalloul, P. *see* Benoit, J. 4—47355
Benbassat, G., Delon, X. Low bit rate speech coding by concatenation of sound units and prosody coding 4—53484
Bencetic, B. *see* Filipovic, V. 4—49509
Bencun, J. *see* Ban, D. 4—57017
Bencuya, I. *see* Cogan, A. 4—36056
Bencze, L., Bodnar, G. Connects in less than 0.1 ms—a system of speedy switching over at higher power 4—57258
Bendel, W., Molitor, W. Insulation materials for fluid filled and dry insulated transformers 4—45481
Bendeli, A. *see* Crane, K.C.A. 4—37510
Bendell, A. *see* Pirie, K. 4—57885
Bendell, F. *see* Ferrari, A. 4—62302
Bender, H.K. Telecommunication methods in the USA and Western Germany—a comparison of structure. I 4—60340
Bender, R. *see* Kantz, D. 4—51244
Bendien, J.C., Fuchs, F.W., Gratzfeld, P. Reduction of losses and volume of a drive system with current fed synchronous machine by use of a fast switching transistor chopper as input converter 4—57410
Bendik, N.T., Guglina, L.L. Maximum permissible current for a superconducting cable 4—62205
Bendik, N.T., Komissarzhevskii, N.E. Investigation of the critical current of long specimens of a superconducting cable current carrying system 4—39885
Bending, M.J. Hitest: a knowledge-based test generation system 4—55187
Benditt, D.G. *see* Stokes, K.B. 4—49309
Bendixen, G.E. The digital flight control and active control systems on the L-1011 4—49396
Benedek, M. *see* Horvath, P. 4—57318
Benedetti, G. Expert system for fault diagnostic in electronic devices 4—35273
Benedetto, M.G.Di *see* Di Benedetto, M.G.
Benedetto, S. *see* Ajmone Marsan, M. 4—37788
Benedict, B. Applications of spectral analysis 4—55342
Benedict, R.P. The precision error in temperature for several commercial fixed-point baths 4—44638
Benedict, W. The basis of spectrum analysis 4—39120
Beneking, H. *see* Ashok, S. 4—58793
Beneking, H. *see* Kratschmer, E. 4—44590
Beneking, H. *see* Krautle, H. 4—35480
Beneking, H. *see* Narozny, P. 4—42142
Benelli, G., Cappellini, V., Del Re, E. Simulation system for analog and digital transmission 4—37921
Benelli, G., Cappellini, V., Del Re, E., Fantacci, R. A simple and reliable technique for integrated voice-data communications 4—32704
Benenson, E.I. *see* Sterman, L.S. 4—40110
Benenson, G. *see* Schmidt, M.P. 4—29946
Benes, E. Improved quartz crystal microbalance technique 4—55680
Benes, E. *see* Wimmer, L. 4—36979
Benes, J. Application of systems approach to technical diagnostic and equipment renewal 4—40876
Benes, P. *see* Touskova, J. 4—30585
Benes, V. Operational reliability of cross-linked polyethylene insulated HV cables 4—56616

Benes, V.E. Measure transformations, local times, and error probability in pulse amplitude modulation 4—43086
Benes, V.E. Memory allocation and routing: some dynamic programming without computation 4—46077
Benes, V.E. Nonlinear filtering: problems, examples, applications 4—47887
Benetta, R. *see* Anderson, L. 4—55989
Benetti, R., Cosmai, U. Signalling installations in offices 4—43564
Benfield, P. *see* Collins, W. 4—51589
Benford, J., Kares, A., Brooks, A., Goldman, E. High energy railgun designs 4—42825
Bengdong He *see* He Bengdong
Benger, H.-F., Grutjen, W. Crushing plant with belt conveyors and ship loading station 4—40677
Beni, G., Hackwood, S., Trimmer, W.S. High-precision robot system for inspection and testing of electronic devices 4—48733
Beninati, A., Busso, L., Panzieri, D., Tosello, F. MOS power transistor and ceramic thyratron for fast high voltage pulser 4—51037
Benjamin, J.A. *see* Jones, C.M. 4—33558
Benko, B.W., Espenlaub, D.E., Hill, V.D. Craft interface in a distributed switching system 4—32586
Benko, I. Development trends in the new measurement and control methods of energy processes 4—33521
Benko, I. Results in the field of industrial energetic measurements 4—62255
Benko, I. *see* Kiss, I.L. 4—33522
Benko, M., Damian, K. United Nations: current developments in the field of space law 4—56226
Benko, V., Koval, A. The OM1 optical modem 4—32814
Ben'kova, L.F., Pel'ts, S.D., Eidel'nant, M.P., Arutyunova, L.I., Bocharov, T.V. Polyvinylidene fluoride piezoelectric transducer 4—48863
Benn, W., Radig, B. The integration of a data base system into a computer network for the evaluation of picture sequences 4—38074
Benner, J.P. Materials and cells for high efficiency solar to electric conversion 4—40477
Benner, R.E. *see* von Raben, K.U. 4—41746
Bennerot, G., Daout, M., Lerouge, C. Fading resistant 140Mbit/s long haul system design 4—32661
Bennet, P. *see* Jungerman, R.L. 4—56367
Benneton, M., Rougny, R., Vico, L., Buisson, B. Simple device using a microprocessor for plotting the circadian activity of animals 4—49176
Bennett, A. *see* Bryman, D. 4—33632
Bennett, A.W. An industrial graduate fellowship program 4—35200
Bennett, A.W. Student kits for electrical and computer engineering labs 4—57733
Bennett, B.M. Two-piece PC connectors on upswing, one-piece card edge systems down 4—51657
Bennett, C. SAW resonator stabilized oscillator 4—30930
Bennett, C.H., Brassard, G. Quantum cryptography and its application to provably secure key expansion, public-key distribution, and coin-tossing 4—43156
Bennett, C.H., Brassard, G., Breidbart, S., Wiesner, S. Eavesdrop-detecting quantum communications channel 4—32805
Bennett, C.L., Lawrence, C.R., Burke, B.F. 5 GHz source variability and the gain of the NRAO 300 foot telescope 4—54918
Bennett, D. Videotex breaks the old mould of data processing 4—48076
Bennett, D.B. The V-bus family: candidate for common use with VLSI technology 4—47108
Bennett, G.L., Lombardo, J.J., Rock, B.J. US radioisotope thermoelectric generator space operating experience (June 1961-December 1982) 4—39670
Bennett, G.W. *see* Zubal, I.G. 4—39541
Bennett, H.E. *see* Palmer, J.R. 4—42683, 4—42684
Bennett, H.E. *see* Shaffer, J.J. 4—37087
Bennett, J., Harney, D., Mitchell, T. The solvated electron battery 4—40419
Bennett, J.A. Drop-size distribution: cross-polarization discrimination and attenuation for propagation through rain 4—53206
Bennett, J.D. *see* Ling, C.C. 4—49330
Bennett, J.M., Chefurka, P.V. MicroNet: a low-cost local area network for microcomputers 4—43739
Bennett, J.M. *see* Shaffer, J.J. 4—37087
Bennett, J.W. Sensor Data Combination 4—33212
Bennett, J.W., Ballard, W.W., Jr. Current status and direction of waste repositories 4—40014
Bennett, K. *see* Schonfelder, V. 4—33779
Bennett, K.H., Singleton, P. A simple access logic for the Cambridge Ring 4—38273
Bennett, K.R. A practical application of data modelling to design system integration 4—58998
Bennett, K.R., Lovitt, G.J. Data modelling: the key to design system integration 4—52166
Bennett, L.L. *see* Laue, H.J. 4—56744
Bennett, R.B., Harris, F.R. Design features of the turbine-generator plant 4—62392
Bennett, R.L., Yates, G.S., Bednar, J.A., Shao, T.S. Communication services in the Net 1000 service 4—32450
Bennett, R.S., Chicotka, S., Ephrath, L.M. Process for reactive ion etching composite films in a single reactor 4—41990
Bennett, S., Trapani, G. Contrast enhancement of LED, vacuum fluorescent and plasma displays with circular polarizing filters 4—61456
Bennett, S. *see* Walworth, V. 4—60164
Bennett, S.D. *see* Peterson, D.K. 4—46271
Bennett, W.S. Antenna factors in EMC measurements 4—37623
Bennett, W.S. Far-field conditions for open-field radiated emissions measurements 4—39253
Bennett, W.S. A comparison of open-field test site qualification procedures 4—39262
Benny, A.H. Automatic relocation of ground control points in satellite imagery 4—33974
Benoit, J., Benalloul, P., Geoffroy, A., Balbo, N., Barthou, C., Denis, J.P., Blanzat, B. Study of highly concentrated ZnS:Mn ACTFEL devices 4—47355
Benoit, J. *see* Benalloul, P. 4—52775
Benouar, M. Protecting power semiconductors using fast acting and current limiting interrupting devices 4—62247
Benouar, M. Pyrotechnique circuit interrupter for the protection of electrical systems 4—62662
Benpei Cheng *see* Cheng Benpei
Benqi Yang *see* Yang Benqi
Bensahel, D., Auvert, G., Pfister, J.-C. Explosive crystallization of non-crystallized silicon 4—51762
Bensahel, D. *see* Vu, D.P. 4—30757
Bensaoula, A., Wolfe, J.C., Ignatiev, A., Fong, F.-O., Leung, T.-S. Direct-current-magnetron deposition of molybdenum and tungsten with RF-substrate bias 4—41081
Bensch, H. J- and detuning sleeve aerials: old principle, but new ideas 4—59867
Bensch, H. Wave hopper: use CB-FM equipment to listen to amateur radio 4—60676
Bense, R., Swarte, P. The accurate prediction of the speech transmission index (STI) of a sound reinforcement system by means of a computer model using ray-tracing techniques 4—44351
Benslimane, A. *see* Siohan, P. 4—60081
Benso, S., Darbo, G., Rossi, L., Sannino, M., Spinolo, E., Torcello, E., Traspedini, L., Vitale, S. The time projection chambers of the WA71 experiment at CERN 4—33641
Benson, F.A., Tischer, F.J. Some guiding structures for millimetre waves 4—58490
Benson, J. *see* Fritz, G.S. 4—36718
Benson, S.V. *see* Madey, J.M.J. 4—47389
Benson, T.M. Etched-wall bent-guide structure for integrated optics in the III-V semiconductors 4—31168
Bente, E.A.J.M. *see* Bruckner, V. 4—59602
Benthem, J.van *see* van Benthem, J.
Benthin, D., Wienold, J., Worn, G. The use of a double computer for load optimization in a smaller regional power utility 4—56411
Bentivoglio, G. *see* Mazzoni, G. 4—40636
Bentland, B. *see* Alping, A. 4—60844
Bentley, J.P. Temperature sensor characteristics and measurement system design 4—48866
Bentley, R.E. Short-term instabilities in thermocouples containing nickel-based alloys 4—48861
Bentley, R.E., Morgan, T.L. Thermoelectric effects of cold work in Pt/10%Rh and Pt/13%Rh versus Pt thermocouples 4—61339
Bentley, T., Tartar, J. Priority interrupt switch for Ethernet 4—32424
Benton, C.M., Buckley, R.E. Infrared monitoring and control of temperature cycling during the manufacture of carbon electrodes 4—45953
Benton, E.V. *see* Drechsel, H. 4—55953
Benton, I. 35 LED tacho 4—40579
Benton, I. Finesse light chaser/sequencer 4—45747
Benton, P. Eurocommunications: cabling for the information economy 4—47979
Benton, S.A. Reflection mounts for transmission holograms: format compatibility issues 4—59633
Bentsen, G. Restaurant I/O—with the town's best circuit-kitchen. D/A convertor for the micro 4—46518
Bentz, R.W., Hutchinson, L.T. An approach to reliability growth without dedicated testing: a case history and some results [data communication system] 4—48416
Benumof, R. The receiving antenna 4—42925
Benveniste, A. *see* Richard, C. 4—53398
Benveniste, V. *see* Armstrong, A. 4—36450
Benyamin-Seeyar, A., Shiva, S.G.S., Bhargava, V.K., Kanetkar, S.V. Decodability of error-trapping technique for binary cyclic codes 4—43165
Benz, A.D. Altitude cooling of electronic equipment 4—50535
Benz, G.E. *see* Bazovsky, I. 4—46020
Benz, R.F., Hingst, U.G., Schwarzott, W.J. Thermal design features of ROSAT X-ray telescope 4—44881
Benza, V., Casagrande, F. Optical bistability of semiconductors 4—59593
Beppu, T. *see* Hirahara, K. 4—52824
Ber, B.Ya. *see* Kop'ev, P.S. 4—58034
Berahas, S.A. *see* Samouilidis, J.-E. 4—45206
Beranek, R., Heiden, C. A sensitive vibrating sample magnetometer 4—44902
Berard, H. Production at the crossroads 4—45899
Berardi, J. Easy Berardi building [frequency counter design] 4—44536
Berbari, E.J. High resolution electrocardiography 4—49214
Berbeco, G. Coping with static electricity. XLVII. ESD floor protection systems for clean room environments 4—59698
Berberi, N. VLSI pares T1 problems down to size 4—48194
Berberovic, S. *see* Haznadar, Z. 4—39912
Berceli, T., Gordos, G., Lajtha, G., Szep, I., Tofalvi, G. Optical communication 4—44115
Berche, C. *see* Pergrale, J. 4—39532
Berchowitz, D.M. The development of a 1 kW electrical output free piston Stirling engine alternator unit 4—40234
Berdikov, V.F., Bogomolov, N.I., Pushkarev, O.I., Gavrichenko, V.V. Brittle and strength properties of hot-pressed manganese-zinc ferrites by the microindentation method 4—29544
Berdin, A.S. *see* Kazantsev, V.N. 4—39783
Berdnik, V.I. *see* Belokurova, N.V. 4—51066
Berdnikov, A.L. *see* Bukhgol'ts, V.P. 4—40364
Berdnikov, M.L. *see* Bukhgol'ts, V.P. 4—40364
Berdyshev, A.V., Stepanov, A.A., Shcheglov, V.A. Saturation of the active medium in CW chemical lasers 4—59447
Bereano, P.L. *see* Hyman, B. 4—62055
Beregova, G.M. *see* Okorokov, V.R. 4—56448
Bereisa, J. Automotive electronics in the USA: need for progress 4—62775
Beren, J.A. *see* Tripathi, V.K. 4—58228
Berenbon, H. Build this TRS-80 telephone dialer 4—43846
Beresford, R. Evaluating gate-array technologies. II. Survey results 4—41278
Beresford, R., Frank, L.E. Analog design in digital MOS technology 4—42152
Beresford, R. *see* Werner, J. 4—42077
Berestov, A.V., Zyazyulya, F.E. Possible improvement of the amplitude-time characteristics of the BDEG2-39 scintillation block 4—49079
Bereza, V.L., Kravchenko, A.N., Furman, Ya.I. Reduction of losses in transformer tanks from the magnetic field of heavy current outlets 4—62591
Berezhnaya, I.V. *see* Il'inskii, A.S. 4—42961
Berezin, A.A. *see* Sunatori, G.S. 4—41846
Berezina, L.N. *see* Alyavina, N.I. 4—50196
Berezina, M.A. *see* Ivanov, V.G. 4—31242
Berezina, T.G. *see* Ashikhmina, L.A. 4—40070
Berezinskaya, A.M., Dukhovnyi, A.M., Stasel'ko, D.I. Time-dependent conversion of spatially nonuniform light beams by three-dimensional dynamic holograms 4—53109
Berezinskaya, A.M., Stasel'ko, D.I., Churaev, A.L. Effects of fluctuations in the amplitude-phase characteristics of laser beams on the quality of holographic interference fringes recorded from diffusely illuminated objects 4—53110
Berezkin, V.I., Grachev, A.I. Properties of Al-doped bismuth silicon oxide 4—30391
Berezov, V.A. *see* Gorbuntsov, A.F. 4—45484
Berezovets, V.A., Farbshtein, I.I., Shelankov, A.L. Quantum kinetic phenomena in dimensionally quantized accumulation layer on tellurium 4—46805
Berezovets, V.A., Farbshtein, I.I., Shelankov, A.L. Weak localization under lifted spin-degeneracy conditions (two-dimensional layer on a tellurium surface) 4—51755
Berezovskii, A.F. Diacoptically iterative application of theorems for equivalent sources 4—58128
Berezovskii, V.R. *see* Barkhudarov, E.M. 4—53112
Berezyuk, B.M. *see* Kirianiki, N.V. 4—55685
Berg, A.D. An optimised laser system for the evaluation of HpD therapy 4—49302
Berg, B. *see* Lundblad, L.-G. 4—32509
Berg, F.L.van den *see* van den Berg, F.L.
Berg, G.J. *see* Le, L.X. 4—34654
Berg, G.J. *see* Murthy, S.S. 4—49883
Berg, G.J. *see* Sabharwal, S.C. 4—39139
Berg, G.J. *see* Sharaf, T.A.M. 4—62117
Berg, G.J. *see* Tandon, A.K. 4—34655
Berg, H., Nestler, J. The gate-turn-off thyristor 4—30612
Berg, H., Nestler, J. The gate-turn-off (GTO) thyristor—the key component of new frequency converting techniques 4—58912
Berg, H.M. *see* Mahalingam, M. 4—57848
Berg, J.van de *see* van de Berg, J.
Berg, N.J., Casseday, M.W., Filipov, A.N., Pellegrino, J.M. A new multifunction acousto-optic signal processor 4—52738
Berg, N.J., Casseday, M.W., Garvin, C. A new single AO element two-dimensional signal processor 4—52743
Berg, N.J. *see* Patterson, M.S. 4—52415
Berg, R.Van *see* Van Berg, R.
Berg, S. *see* Ostling, M. 4—47073
Berg, S.V., Capehart, B.L., Feldman, J., LaTour, S., Sullivan, R.L. An interdisciplinary approach to cost/benefit analysis of innovative electric rates 4—34045

Berg, T.E. A two axis linear servo motor for optical recording 4—57094
Berg, U. *see* Bertilsson, J.E. 4—62378
Berg, W.W. *see* Fried, A. 4—61919
Bergada, J. *see* Fiol, M. 4—49279
Bergamasco, G., Cecchetti, W., Polloni, R. A subpicosecond dye laser pumped by a xenon ion laser 4—52928
Bergeles, G. *see* Michos, A. 4—45375
Bergemann, H. *see* Bearzatto, C. 4—54685
Bergemann, H. *see* Faillon, G. 4—54869
Bergemann, L. *see* Kirsch, H. 4—39617
Bergen, S.A. Catastrophe model of the engineering design process 4—35222
Bergendahl, A.S. *see* Adler, E. 4—35811
Bergendahl, A.S. *see* Badami, D.A. 4—36715
Bergendorff, H. International data communication in the OECD area 1976 and 1981 4—43599
Berger, A.E., Han, H., Kellogg, R.B. A priori estimates and analysis of a numerical method for a turning point problem 4—46195
Berger, D.A. *see* Ross, D.P. 4—39981
Berger, D.M. Techniques for applying coatings in nuclear power plants 4—34293
Berger, F. *see* Lenz, P. 4—49300
Berger, G. *see* Sinning, H. 4—54970
Berger, H., Brackett, R.L., Mittleman, J. Underwater inspection of naval structures 4—61972
Berger, H.H. Inverter chain test structure 4—29792
Berger, J.L., Brissot, L., Cazaux, Y., Descure, P. A line transfer color image sensor with 567×462 pixels 4—55275
Berger, J.M. *see* Coulibaly, S.P. 4—51802
Berger, M.N. *see* Kapilevich, B.Yu. 4—36022
Berger, M.R., Reedy, H.E. Optics for high power CO_2-lasers 4—53031
Berger, R., Klein, W., Klink, E., Wernicke, F.C. Address phase splitter [for memory circuits] 4—29867
Berger, R.E., Fray, R.R. A fault tree/event tree availability analysis methodology 4—34479
Berger, R.L., Jenkins, L.C. Electronic equipment thermal management 4—49425
Berger, R.W. What do you look for when you're looking for software? [quality control] 4—45990
Berger, T. Multiterminal source coding 4—37851
Berger, T. Minimum breakdown degradation in binary source encoding 4—37874
Berger, T., Huang, J.C. A contention resolution algorithm using multibit feedback 4—47715
Berger, T., Mehravari, N., Towsley, D., Wolf, J. Random multiple-access communication and group testing 4—53970
Berger, T. *see* Heegard, C. 4—37804
Bergere, T., Shen, S.-Y. Communication theory via random fields 4—47721
Bergeret, P. *see* Chappey, M. 4—56534
Bergeron, D.L. Passivation structure 4—36479
Bergeron, G.L. *see* Busby, K.O. 4—36208
Bergeron, R.J., Chamberlin, P.E., Hamel, C.J., Sweetser, R.W. In situ metal lift-off structure 4—52033
Bergerot, J.-L., Lefevre, P. The evolution of electrical energy metering for low voltage customers 4—45188
Berges, P. *see* Becker, U. 4—39412
Berggren, G., Stromberg, M. Availability calculation in communication networks 4—47995
Berggren, K.F. *see* Tomak, M. 4—52130
Bergh, R.A., Lefevre, H.C., Shaw, H.J. An overview of fiber-optic gyroscopes 4—44487
Bergh, R.A. *see* Kim, B.Y. 4—59203
Berghanel, D. Oscillation pack control for the power regulation of electric machines 4—56913
Berghe, H.Van den *see* Van den Berghe, H.
Berghe, R.A.L.Vanden *see* Vanden Berghe, R.A.L.
Bergher, M. *see* Billardon, M. 4—47383
Bergher, M. *see* Deacon, D.A.G. 4—52829
Bergher, M. *see* Elleaume, P. 4—42500
Berghofer, W., Sussenguth, G., Martin, R. New ground stations for Earth exploration from satellites 4—61891
Bergiel, K., Karbowiak, H. Analysis of two-terminal function modulus changes in circuits for spot communication 4—32695
Bergin, M.W. *see* Miller, C.E. 4—55052
Berging, G. *see* Chase, R.L. 4—39426
Berglund, R.E.S. *see* Anders, H. 4—33740
Bergman, D.J. *see* Ben-Jacob, E. 4—31075
Bergman, L.A., Eng, S.T. Temperature dependence of phase shift in ruggedized optical-fiber cables 4—52650
Bergman, S., Ljungberg, K., Sundin, L.-G. TELE-X—a satellite system for TV and data communication 4—54659
Bergmann, F., Schuette, B. The integration of a reverse osmosis installation in the fully automated operation of a rural water supply company 4—50276
Bergmann, H. Laser technology 4—47538
Bergmann, H. Circularly polarised electromagnetic waves 4—59842
Bergmann, H. *see* Basting, D. 4—53034
Bergmann, H.C. Motion adaptive frame interpolation 4—44230
Bergmann, M. *see* Maciejewski, P. 4—43701, 4—48070
Bergmans, C.H.J. Twin-switch power pack for 110° colour TV 4—38803
Bergmans, P.P. The Gaussian network 4—37802
Bergmark, W.R. *see* Jones, G., II 4—52932
Bergquist, J.C., Burkins, L. Efficient single mode operation of a CW ring dye laser with a Mach-Zehnder interferometer 4—47436
Bergstedt, M.D., Whitney, L.C., Peterson, G.K. Manufacturing method for high density interconnections 4—51656
Bergstrom, J.B. *see* Delaunay, M. 4—61649
Bergvall, K., Hellmalm, B. Modernising telecommunications in Stockholm 4—43651
Bergveld, P. *see* Voorthuyzen, J.A. 4—47049
Bergvik, S. *see* Andersson, H. 4—34833
Bergwerff, J.B. *see* Salemink, H.W.M. 4—54891
Berings, J.B.M. Microelectronics controls carbon brush and commutator 4—40262
Berk, L.B. *see* Buzzelli, E.S. 4—40424
Berkecz, J. *see* Almasi, I. 4—48874
Berkel, K.van *see* van Berkel, K.
Berkenblit, M. *see* Reisman, A. 4—41998
Berker, T.D. The use of photoresists as negative electron resists 4—58952
Berkey, G.E. Fluorine-doped fibers by the outside vapor deposition process 4—52611
Berkman, R.Ya. Effect of the source impedance of the measured signal on noise factor of an amplifier with a magnetic modulator at the input 4—51006
Berkman, R.Ya. Ring ferromagnetic probes with a set of distributed windings 4—55644
Berkner, K.H. *see* Matuk, C.A. 4—61667
Berkovits, S. *see* Sachs, J.E. 4—53440
Berkovskaya, K.F., Kirillova, N.V., Podlaskin, B.G., Stolovitskii, V.M., Sukhanov, V.L., Tuchkevich, V.V. The multiscan—a multifunctional photoreceiver 4—55493
Berkowitz, H.L. *see* Albers, J. 4—33429
Berkowitz, R.S., Juang, S.T., Yang, B. Wideband waveform and synthesized aperture considerations for a high resolution imaging radar 4—54884
Berkutov, A.M., Matyukhin, Yu.D. Automatic correction of static characteristics of measurement channel in digital oscillograph 4—39226
Berlekamp, E.R. *see* Welch, L.R. 4—43163
Berlin, M.A. 960 megahertz radio as a telemetry transmission medium 4—55283
Berlin, P. Europe's space fairytale—a French idea 4—44795
Berlin, P. Sweden and France in space cooperation: Ariane, Spot, Tele-X 4—44796
Berliner, M.J. *see* Backus, W.D. 4—38649
Berloffa, E.H., Witzmann, J. Laser materials cutting and related phenomena 4—59666
Berlyand, V.I., Glyadya, A.A., Pozhidaev, A.V., Sokolovskaya, S.S. The effect of peripheral irregularities in the temperature field during turbine startups with flange heating along the reduction on the durability of turbine casings 4—40092
Berman, C. Breaking down barriers 4—32174
Berman, C. Keeping Pace with the power of atomic energy 4—45216
Berman, C. Holding on for the right time to strike out in new directions [British Telecom] 4—47967
Berman, C. Prestel sounds out classroom opportunities 4—48067
Berman, H.L. Direct radiometric estimates of heat flow and thermal resistance using spot radiometers 4—55718
Berman, L.D., Efimochkin, G.I. Design of water-jet ejectors for condensing plant 4—40114
Berman, M. Minorities and women in engineering—two follow-up studies 4—40745
Berman, S.D., Grushko, I.I. The theory of discrete signal processing 4—60036
Bermon, S., Chaudhari, P., Chi, C.C., Faris, S.M., Teschi, C.D., Tsuei, C.C. Novel superconducting shield 4—53234
Bermond, J.C., Delorme, C., Farhi, G. Large graphs with given degree and diameter. II 4—50664
Bermudez, V.M. Photoenhanced oxidation of gallium arsenide 4—41987
Bernabei, R. *see* Bacci, C. 4—39410
Bernaldo de Quiros, J.Gonzalez *see* Gonzalez Bernaldo de Quiros, J.
Bernard, J. *see* Roux, M. 4—57351, 4—57356
Bernard, J. *see* Walsh, M.P. 4—59952
Bernard, J.J, Jeunhomme, L., Jurczyszyn, M., Lavanant, G., Landais, S., Doll, A., Oguey, C. Cost-effective transmission experiment through 75 km of single-mode fiber at 565 Mbit/sec 4—54793
Bernard, M. Crossed-transducers array for transmission ultrasonic imaging 4—56108
Bernard, P., Izatt, J.R. New CH_3OH laser lines pumped with a fine-tuned high-power CO_2-TEA laser 4—59431
Bernard, R., Taconet, O., Vidal-Madjar, D., Thony, J.L., Vauclin, M., Chapoton, A., Wattrelot, F., Lebrun, A. Comparison of three in situ surface soil moisture measurements and application to *C*-band scatterometer calibration 4—56273
Bernard, S.L. *see* Barth, P.W. 4—61369
Bernard, W. *see* Moss, C.E. 4—44686
Bernardelli, W.J., Brown, D.L., Steele, S.G. Tangential field production in electrophotographic developers 4—37553
Bernasconi, F.A. IBINET: a data network for all by 1985 4—60495
Bernasconi, J. *see* Zeller, H.R. 4—59055
Bernashevskiy, G.A. *see* Chernov, Z.S. 4—30260
Bernd, H.H. Sensitivity-time functions for an unified description of system reactions 4—41453
Bernds, A., Lohnert, K., Kubalek, E. SEM EBIC investigations of ZnO varistor ceramics 4—36272
Berndt, D., Kiehne, H.A., Tepel, R. Reliability and maintenance of stationary batteries 4—57329
Berndt, L.P. *see* Thomson, I. 4—30620
Berndt, M., Siegmon, G., Beaujean, R., Enge, W. A new nuclear track filter of CR-39 4—55959
Berndt, M.J. *see* Lancaster, R.R. 4—56718
Berndt, T., Hogbom, T. The 1 MWE OTEC pilot plant in Jamaica 4—62472
Bernegger, W. *see* Schonholzer, E.T. 4—49897
Bernett, J.M. *see* McFarland, S.R. 4—49109
Berney, K. FCC's Fowler unfetters the airwaves [broadcasting regulations] 4—32891
Berney, R. *see* Stepinski, B. 4—44947
Bernfeld, M. CHIRP Doppler radar 4—38681
Bernhardt, L. On the classification of many types of patterns with few characteristics 4—38082
Bernhardt, L. Three classical character recognition problems, three new solutions 4—43456
Bernier, F. *see* Chautemps, J. 4—55494
Bernier, L.-G. *see* Sphicopoulos, T. 4—30076
Bernier, Y. *see* Le Brozec, P. 4—54607
Bernier, Y. *see* Le Mouel, B. 4—54739
Bernnat, W. *see* Ploger, G. 4—40021
Berno, S. Electrical installations in public auditoria and halls 4—45095
Berno, S., Tommazzolli, G.F., Vezzani, P. Industrial electrical systems—initial installation requirements and expansion predictions with a view to reducing costs 4—56409
Bernoux, F., Parriaux, O. Bandwidth calculation in actual multimode fibers 4—52549
Berns, E.G. *see* van Kemenade, J.T.C. 4—62798
Bernshtein, A.E. *see* Shimanovich, M.Sh. 4—62895
Bernstein, D. *see* Hoeft, L.O. 4—59793
Bernstein, D.S. Higher-order necessary conditions in optimization theory: a systematic approach 4—40983
Bernstein, H.J. An accelerated bisection method for the calculation of eigenvalues of a symmetric tridiagonal matrix 4—35431
Bernstein, I.B., Divringi, L.K., Smith, T.M. The theory of irregular waveguides and open resonators 4—59831
Bernstein, J., Becker, R., Bell, D., Murveit, H., Poza, F., Stevens, G. Telephone communication between deaf and hearing persons 4—53548
Bernstein, J. *see* Olabe, J.C. 4—53504
Bernstein, J.G. *see* Hinman, B.L. 4—53918
Bernstein, P., Gueugnon, C. Aging phenomena in TbFe thin films 4—36991
Bernstein, R. Design of inherently stable two-dimensional recursive filters from one-dimensional filters 4—30026
Bernstein, R.A. The role of commercial banks in the videotex industry 4—48158
Bernussou, J. *see* Le Gall, F. 4—48023
Berote, G., Cossement, D., Orban de Xivry, E., Streydio, J.-M. The CdS/Cu_2S solar cells fabricated by reactive pulverisation 4—62695
Beroun, J. *see* Bednar, J. 4—45308
Berouti, M., Garteen, H., Kabal, P., Mermelstein, P. Efficient computation and encoding of the multipulse excitation for LPC 4—53518
Berrang, P.G. *see* Green, D.R. 4—39736
Berrang, P.G. *see* Wong, C.S. 4—44924
Berretta, G. Extension of mobile satellite communications to the polar regions 4—38510
Berrie, T.W. The effects of energy policy and economics on energy options 4—29187
Berrie, T.W. Spot pricing needs electronics 4—49529
Berrie, T.W. Economics and technical consultancy 4—50405
Berriel, L.R. *see* Guel, S. 4—38108, 4—55902
Berriel, L.R. *see* Ibarra, J. 4—38109
Berriel-Valdos, L.R., Jara, E., Guel, S., Ibarra, J. Real-time density encoder with three primary colors 4—43446
Berriz, L. Universal plane for reference and equivalent local plane in the calculus of heliostat systems 4—40159
Berrocal, J.Ortiz *see* Ortiz Berrocal, J.
Berrou, J.-L., Wagstaff, R.A. A nonlinear iterative technique for high-resolution spectral estimation 4—37983
Berry, B.H. Detroit's new eye on quality 4—45989
Berry, B.W., Tai Chen Preventive maintenance for low density communications networks 4—43586
Berry, D. Protocol standardization works its way up the ladder of the OSI model 4—54356
Berry, G., Mansion, J.L., Rathier, G., Trendel, R. MT system the URN subscriber connecting unit 4—38391
Berry, J.D. *see* Capani, P.M. 4—42049
Berry, L.A., Cronin, D.H. The spectrum cost of frequency-distance separation rules 4—38758

Berry, L.T.M., Coyle, A.J. Performance models for a class of non-hierarchical networks 4—48000
Berry, L.T.M., McKinnon, K.I.M. Comments on a property of the equivalent random method [communication networks] 4—47958
Berry, P., Birkett, N., Count, B., Nicol, D. Optimal control theory applied to tidal power 4—34492
Berry, P., Garber, W., Blake, K. Application of an in-stream elemental analysis system 4—55737
Berry, W.E. *see* Williams, D.N. 4—49732
Berry, W.S. *see* Yang, H.T. 4—52009
Bers, K., Strempel, R. The evolution of power generation and environmental protection at the Bewag 4—44973
Bersenev, V.A. *see* Golubev, E.K. 4—40113
Bershad, N.J., Chang, Y.H. Time correlation statistics of the LMS adaptive algorithm weights 4—53676
Bershad, N.J., Qu, L.Z. On the probability density functions of the weight for the complex scalar LMS adaptive algorithm 4—53675
Bershad, N.J. *see* Sherwood, D.T. 4—60084
Berson, B.L. *see* Rosenberg, H.E. 4—49369
Berst, J.D. *see* Anderson, L. 4—55989
Bertallot, A. Numerical modulators for data transmission 4—37818
Bertallot, A. Codes for correcting errors 4—37836
Bertarionne, M. *see* Piguet, C. 4—51132
Bertazzi, M., Portinari, G. Medium-voltage power cables utilised by ENEL in the distribution grids: mechanical problems and current-carrying in emergency 4—39875
Bertel, L., Guyader, P., Lassudrie-Duchesne, P. Multiple-frequency Doppler sounding of the ionosphere: theory and experimental comparison with incoherent scatter results 4—56301
Bertemes, P. Study of operation of charge-coupled device sensors at low temperatures 4—61340
Berthier, M. Safeguards for residential areas near nuclear plants: the role of the Public Safety Department 4—39626
Bertho, A. The CNET: a significant example of public-sector research in France 4—43514
Berthold, R.J. *see* Zach, F.C. 4—57429
Berthomieu, B., Menasche, M. An enumerative approach for analyzing time Petri nets 4—54397
Bertilsson, J.E., Berg, U. Design of steam turbines for two-shift operation 4—62378
Bertilsson, J.E., Scarlin, B., Speidel, M.O. Integrity of low pressure steam turbine rotors in stress corrosion environments 4—62381
Bertin, M. The nuclear industry's impact on health. The case of nuclear power station personnel 4—39625
Bertin, M.C. A nuclear thickness gauge with improved response speed 4—61543
Bertino, M., de Zorzi, G., Zanello, D. Test of a large size acrylic scintillation counter 4—61694
Bertl, J., Kanda, M. Optimisation of operational regimes of HV distribution networks in the SCE and STE enterprises 4—39841
Bertl, W., Doser, M., Eichler, R., Felawka, L., Walter, H.K., Bowden, G., Egli, S., Engfer, R., Esslinger, K., Grab, Ch., Hermes, E.A., Herter, D., Heusi, P., Kraus, N., Powers, R.J., Pruys, H., van der Schaaf, A., Domingo, J.J., Jansen, J., Lordong, N., Mergaert, J., Maden, D., Schoeps, W., Martino, J. Search for $\mu \rightarrow 3e$ with SINDRUM 4—33757
Bertnolli, E.C., Daane, A.H. Industry/university involvement in engineering doctoral programs at the University of Missouri-Rolla 4—45891
Bertocchi, G. New family of Tacan and DME equipment 4—38705
Bertolazzi, P., Leporelli, C., Lucertini, M. Alternative group relaxation of integer programming problems 4—50679
Bertolin, J.Areitio *see* Areitio Bertolin, J.
Bertolini, G. Alpha particle spectroscopy by gridded ionization chamber 4—56009
Bertolucci, E. *see* Amendolia, S.R. 4—49068
Bertoni, H.L. Ray-optical evaluation of $V(z)$ in the reflection acoustic microscope 4—49480
Bertoni, H.L. *see* Budreau, A.J. 4—59120
Bertossi, A.A. Dominating sets for split and bipartite graphs 4—50662
Bertotti, B. Future of laser interferometry in space 4—61913
Bertram, C.D., Milthorpe, B.K. Optical endpoint sensing in an automatic whole blood clotting timer 4—61772
Bertram, C.L. A carrier free radar and some electrical parameters used to detect a salt water wedge 4—38684
Bertram, G.D. *see* Milthorpe, B.K. 4—61749
Bertram, H.N. Geometric effects in the magnetic recording process 4—47184
Bertram, H.N. *see* Arratia, R.A. 4—42245
Bertram, H.N. *see* Mallinson, J.C. 4—47183
Bertram, W.J. Yield and reliability 4—40889
Bertran, E., Herranz, J., Martinez, L., Miguel, J., Munilla, I. A microprocessor-based speed controller for DC motors 4—34680
Bertran-Salvans, M. A generalized window approach to spectral estimation 4—31958
Bertrand, F.E. *see* Hynes, M.V. 4—55845
Bertrand, F.E. *see* Sjoreen, T.P. 4—61686
Bertrand, J.M. *see* Lauber, W.R. 4—61523
Bertrand, R. *see* Cote, A. 4—33586
Bertrandt-Zytkowiak, M. *see* Chimczak, E. 4—37209
Bertsch, X., Jacques, A. The evaluation of recently developed VPI mica paper tapes for high-voltage rotating machines 4—30879
Bertsekas, D., Shaw, J., Gendron, R. Preconditioned conjugate gradient methods for optimal control problems with delays with application in hydroelectric power systems scheduling 4—49555
Bertsekas, D.P. Asynchronous distributed algorithms 4—43808
Berube, J.L., Parker, P.A., Gander, R.E., Dunfield, V.A. Digital myoelectric signal processor with adaptive decision boundaries 4—44758
Beruchev, N.G., Bol'shakov, E.P., Vecherkovskii, V.V., Gusev, O.A., Ivanov, A.S., Istomin, Yu.A., Koba, Yu.V., Kulaev, V.A., Latmanizova, G.M., Pevchev, V.P., Perlin, A.S., Pecherskii, O.P., Smirnov, V.P., Smirnov, L.V., Frolov, L.E., Chetvertkov, V.I., Yampol'skii, I.R. Nanosecond high-current electron accelerator 4—61603
Berutti, A. Fire pumps and controllers 4—29204
Berutti, A. Cycling of motors for energy conservation 4—34573
Berutti, A. Recommended practices for lockout/tagout of energy sources 4—40791
Berutti, A. Warehouse modification requires division of service 4—45093
Berutti, A. Decentralized maintenance for automated plant 4—45928
Berutti, A. A low-tech approach to energy management 4—56419
Berzin, E.K. *see* Danko, V.G. 4—40194, 4—45395
Berzina, A.I., Martsenyuk, P.K., Lapshov, Yu.K., Derkach, Yu.D. Effects of the thickness of nickel coating on flat microcircuit boards on the quality of welded and brazed joints 4—30177
Berzins, G.J. *see* Bates, R.H.T. 4—43432
Berzosa, C.Diaz *see* Diaz Berzosa, C.
Besanceney, M. Thermographic checking of the magnetic circuit of high-power synchronous machines 4—62513
Besancon, P. *see* Gence, P. 4—35080
Besedovskii, R.Z. *see* Kuznetsov, V.M. 4—58171
Besen, S.M. The regulation of telecommunications networks 4—54012
Besenyei, F., Deri, T., Lanczos, P. Security problems of the application of high pressure sodium discharge lamps for space illuminations in the railway service 4—45742
Besfamil'naya, L.V. Economic performance from organizing in-house checking for means of measurement 4—33092
Besford, S.J. *see* Kelsey, T. 4—34802
Besharatian, H. A methodology for reliability evaluation of distributed processing systems 4—32104
Beskid, P.P., Leont'yev, V.V. Optimization of the position of the dynamic range of a radar receiver with respect to the mean level of reflected-signal fluctuations 4—32855
Besl, P. R&S mobile direction finder tours Europe 4—38716
Besnier, F. *see* Naillon, M. 4—56111
Besomi, P., Wilson, R.B., Brown, R.L., Dutta, N.K., Wright, P.D., Nelson, R.J. High-temperature operation of 1.55 μm InGaAsP double-channel buried-heterostructure lasers grown by LPE 4—42625
Besomi, P. *see* Lee, T.P. 4—53046
Besomi, P. *see* Liou, K.-Y. 4—53005
Besomi, P. *see* Olsson, N.A. 4—37126, 4—37366
Besomi, P. *see* Tucker, R.S. 4—37422
Besomi, P.R. *see* Schwartz, B. 4—47464
Bespalov, V.B., Aslamazyan, A.S. Wideband smooth strip attenuator with electrical control 4—51524
Bespalov, V.I., Kulagina, S.N., Manishin, V.G., Pasmanik, G.A. Self-excitation of resonators with four-wave hypersonic reversing mirrors 4—31421
Bespyatov, V.V. *see* Sechenov, D.A. 4—30526
Besshaposhnikov, A.A. *see* Aponin, G.I. 4—31524
Bessho, K., Yamada, S. High frequency power supply composed of the combination of a thyristor inverter and a magnetic frequency multiplier 4—57191
Bessho, K., Yamada, S., Miura, N. High speed rotating disc type high magnetic field generator using eddy current effect 4—42827
Bessho, K. *see* Yamada, S. 4—45527
Besslich, P., Kurowski, J.O. Radix-2**K weighted transformations for cluster analysis 4—38085
Besslich, P.W. On Radix-2 similarity transformations based on two-dimensional WHT 4—37944
Besso, J.A., Jr. The manager's opportunity: doing more with less 4—57768
Bessolov, V.N., Imenkov, A.N., Konnikov, S.G., Posse, E.A., Umanskii, V.E., Tsarenkov, B.V., Yakovlev, Yu.P. Quantum efficiency of plastically and elastically deformed variable-gap $Ga_{1-x}Al_xP$ *p-n* structures 4—42462
Besson, J., Verie, C. Comparison of infrared sensor technologies for telecommunications and thermal imaging systems 4—55459
Bessonov, A.F., Deryugin, L.N., Komotskiy, V.A. Waveguide-optical readout of signals in devices employing acoustic surface waves 4—36982
Bessonova, S.V., Borodkin, A.A., Dobrolyubova, A.G., Polyakov, E.V., Sarantsev, V.P., Semenov, A.T., Simakov, V.A. Fiber-optic ring interferometer with a multimode waveguide 4—42388
Best, E., Voss, K. Free choice systems have home states 4—40936
Best, F.R. *see* Glantschnig, W. 4—49734
Best, J., Mutschler, P. Control of armature and field current of a chopper fed DC drive by a single chip microcomputer 4—50144
Best, J.S. *see* Hoyt, R.F. 4—33440
Best, M.J. Equivalence of some quadratic programming algorithms 4—50699
Best, R. *see* Jakel, E. 4—44884
Best, S.W. Speech synthesis 4—53455
Best, U. The university extensions in TV [cable TV] 4—55046
Beste, W.E.Den *see* Den Beste, W.E.
Bete, M. *see* Tendulkar, G.A. 4—57408
Betev, B. *see* Anderson, L. 4—55989
Bethea, C.G. *see* Capasso, F. 4—37225
Bethea, C.G. *see* Henry, G.H. 4—36267
Bethea, C.G. *see* Levine, B.F. 4—33301, 4—33305, 4—47345
Bethge, K. *see* Klein, H. 4—33599
Bethge, K. *see* Langfeld, R. 4—30476
Bethmann, A., Tschiesche, H. Receiver for global positioning system 4—38711
Betiu, N. *see* Mustata, I. 4—42119
Betle, K.B. *see* Cullen, M.A. 4—29930
Betsa, V.V., Bilinets, Yu.Yu., Khiminets, V.V., Fedak, V.V., Kondrat'eva, V.G., Golovach, I.I. Optical elements based on chalcophile glasses (chalcogenide glasses) 4—42450
Betsudan, S., Katagi, T., Urasaki, S. Design method of four-reflector type beam-waveguide feeds 4—59895
Bettge, H., Hess, R., Schramm, H.H. Will vacuum breakers dominate the distribution market? 4—45559
Bettge, H., Kugler, R., Schatz, R., Sinnecker, G. Operating experiences with 3 AF vacuum power switches 4—62657
Bettinger, W.H. *see* Richardson, R.L. 4—39547
Bettoni, D. *see* Amendolia, S.R. 4—49068
Betts, G.E. *see* Forouhar, S. 4—52546
Betts, W. *see* Furst, E. 4—49337
Betz, B.K. *see* Tamura, P.N. 4—53597
Betz, H., Mulhaupt, G. Possibility of enlarging X-ray exposure area with X-ray mirror or by electron beam vertical motion 4—52158
Betz, H. *see* Bruenger, W.H. 4—52265
Betz, H. *see* Heuberger, A. 4—36384
Betz, J.W. Comparison of the deskewed short-time correlator and the maximum likelihood correlator 4—43332
Betz, J.W. Performance of the deskewed short-time correlator 4—59905
Betz, T. Scanner UVZ—a universal testpoint selector 4—39044
Betz, T. Digital multimeters 4—61430
Beu, T.A., Ciobotaru, D. Contours of electron beams from shielded and immersed guns 4—41759
Beunders, J.W., Garskamp, A. New techniques for accurately tuning a.m. and f.m. radios 4—38802
Beunza, O.M. The principles of pre-selection for skywave signals at frequencies of 535 to 1605 kHz 4—53221
Beurier, G. Local collectivities and cable networks 4—44256
Beushausen, J., Fries, E. An hypothesis guided method of collecting pictorial information via a direct memory access coupled peripheral bus 4—38072
Beutler, R.R., Larson, D.C. A versatile HMOS gate array for prototyping and production 4—58246
Bevan, P. Teleconferencing: the big picture 4—61107
Beverley, P. The versatile VIA. II 4—46529
Beverley, P. How many hertz [BBC microcomputer as frequency meter] 4—61482
Bevilacqua, O. *see* Mader, J. 4—40581, 4—45705
Bevington, J.E., Mersereau, R.M. A maximum-likelihood approach to image segmentation by texture 4—60243
Bewley, D.K. New neutron sources for radiotherapy 4—33866
Bey, N.A., Bogomolov, A.A., Khandamirov, V.L. Natural modes of a hexagonal array of gyromagnetic waveguides 4—42917
Beyer, A. Solution of the direct magnetic problem for homogeneously and inhomogeneously magnetized bodies 4—53133
Beyer, E., Bakowsky, L., Loosen, P., Poprawe, R., Herziger, G. Development and optical absorption properties of a laser induced plasma during CO_2-laser processing 4—59663
Beyer, E., Wissenbach, K., Herziger, G. Material processing with laser radiation. Absorption of CO_2 laser rays processing 4—37509

Beyer, G.H. Production and application of flexible printed circuits 4—51637

Beyer, H.-J. Provision of information on the university system via videotex 4—43720

Beyer, J. Teletype transmission with data security. The KPI series data security units 4—32262

Beyer, J.B., Prasad, S.N., Becker, R.C., Nordman, J.E., Hohenwarter, G.K. MESFET distributed amplifier design guidelines 4—36049

Beyer, K.D., Dockerty, R.C. High density silicon gate process 4—36843

Beyer, M. Problems of monitoring partial discharge in transformers during operation 4—40290

Beyers, C.J.E. *see* Bogie, K.D. 4—35320

Beynon, T.G.R., Ridley, I. Direct measurement of furnace load temperature using 3.9 μm radiation 4—61572

Bezemer, J. *see* van Os, C.F.A. 4—58850

Bezerra, F.C.V. *see* Caloba, L.P. 4—35598

Bezgachin, N.I. *see* Pentegov, I.V. 4—58108

Bezlyudnyi, S.V., Kolesnikov, N.V., Rozanov, Yu.N. Pulsed operation of photoresistive devices made of *p*-type silicon compensated with radiation centers 4—46635

Beznoczky, A., Mallar, L. Modern electronic scales in metallurgy and steel-making 4—61553

Bezruchenko, V.I. *see* Dianova, V.A. 4—51716

Bezruchko, B.P., Bulgakova, L.V., Kuznetsov, S.P., Trubetskov, D.I. Stochastic self-oscillations and instability in a backward-wave tube 4—30275

Bezrukov, V.P. Methodology of account of magnetic losses in calculating the characteristics of non-salient pole synchronous motors 4—56974

Bezsmertny, A.I. *see* Ran'kis, I.Ya. 4—62746

Bezuglyi, S.L. *see* Grinshtein, B.I. 4—40314

Bezumov, S.T., Andriyanov, V.A. Calculating quasisteady state asynchronous conditions in a power system 4—62067

Bezverkhnii, O.B. *see* Churilov, A.I. 4—41157

Bezvesil'naya, E.N. The laser accelerometer of an aviation gravimetric system 4—53127

Bezzon, G. *see* Signorini, C. 4—33563

Bezzon, P., Blasi, P., Rossi-Alvarez, C. ^{15}N beam facility for hydrogen profile studies at the Laboratori Nazionali di Legnaro 4—33579

Bezzub, E.A. *see* Ivanenko, V.D. 4—44305

Bhagat, J.K. Regenerative switching in V-groove metal oxide semiconductor field-effect transistor structure 4—47054

Bhagavatula, V.A., Spotz, M.S., Love, W.F. Dispersion-shifted segmented-core single-mode fibers 4—37128

Bhagavatula, V.A., Spotz, M.S., Quinn, D.E. Uniform waveguide dispersion segmented-core designs for dispersion-shifted single-mode fibers 4—52610

Bhale, K.K. *see* Chandole, S.V. 4—51791

Bhalla, A.S. *see* Halliyal, A. 4—47150

Bhalla, A.S. *see* Ting, R.Y. 4—39750

Bhalsod, M. *see* Norris, T. 4—61258

Bhan, S.K., Krishnanunni, K. Applications of remote sensing techniques to geology 4—61901

Bhandani, P.K., Biswas, D.J., Agrawal, P.K., Bhawalkar, D.D. Current-limited capacitor charging power supply for spark-gap-driven high repetition rate laser pulser 4—42680

Bhandari, D.R. *see* Badari Narayana, K. 4—44813

Bhandari, R.K., Sen, P., Mukherjee, P.N. Time structure studies on the VEC alpha beam by gamma ray time spectrum method 4—33611

Bhandari, R.K. *see* Pandit, V.S. 4—33612

Bhansali, P.V., Rowley, B.A. A microcomputer-controlled servo ventilator 4—44766

Bhanu, B. Evaluation of automatic target recognition algorithms 4—53855

Bhanu, B., Politopoulos, A.S., Parvin, B.A. Intelligent autocueing of tactical targets 4—53864

Bharadwaj, P.K. *see* van Driel, H.M. 4—59308

Bharath-Kumar, K., Kermani, P. Performance evaluation tool (PET): an analysis tool for computer communication networks 4—38287

Bharath-Kumar, K. *see* Grover, G.A. 4—38306

Bhargava, S.C., Jevons, M.J. Mapping of magnetic field due to DC excited unsaturated salient-pole field system 4—62511

Bhargava, V.K., Nguyen, B.D. Anti-jam performance of coded spread spectrum systems 4—37884

Bhargava, V.K. *see* Benyamin-Seeyar, A. 4—43165

Bharj, S.S., Mak, S. Waveguide-to-microstrip transition uses evanescent mode 4—36016

Bharti, P.L., Sarin, S.K., Rao, M.G. Fabrication of deep cavities in silicon using deposited chrome-gold mask 4—58634

Bhartia, P., Pramanick, P. Image guide-microstrip line directional couplers 4—30086

Bhartia, P. *see* Pramanick, P. 4—42923

Bhaskar Rao, D.V., Kung, S.Y. A state space approach for the 2-D harmonic retrieval problem 4—53689

Bhaskar Rao, D.V. *see* Arun, K.S. 4—43391

Bhaskar Rao, D.V. *see* Kung, S.Y. 4—38004

Bhasker, N. *see* Packer, S. 4—38299

Bhasker, N. *see* Packer, S.J. 4—38298

Bhat, B., Koul, S.K. New approach to analyse strip- and microstrip-like transmission lines with anisotropic substrates having a tilted optical axis 4—41542

Bhat, B., Koul, S.K. Lumped capacitance, open-circuit end effects, and edge-capacitance of microstrip-like transmission lines for microwave and millimeter-wave applications 4—42902

Bhat, B., Tiwari, A.K. Analysis of low-loss broadside-coupled dielectric image guide using the mode-matching technique 4—53259

Bhat, B. *see* Agrawal, A.K. 4—51512

Bhat, B. *see* Tiwari, A.K. 4—41536

Bhat, I. *see* Ghandhi, S.K. 4—35498

Bhat, K.N. *see* Ramamurthy, V. 4—42027

Bhat, P.N. *see* Ayre, C.A. 4—33763

Bhatia, C.M. *see* Nambison, P.M.S. 4—57218

Bhatia, H.S., Montillo, F.J. Method to fabricate resistors with tight sheet rho 4—36085

Bhatia, H.S., Valsamakis, E.A. Planar process for polybase technology 4—36408

Bhatia, H.S. *see* Anantha, N.G. 4—30529

Bhatia, K.S. Study of longitudinal mode structure of laser by optical spectrum analyzer 4—59384

Bhatia, S. *see* Mouftah, H.T. 4—38291

Bhatnagar, P.K., Garg, R.K., Vishen, A., Srivastava, G.P. Temperature considerations in metal-oxide-semiconductor solar cells 4—40451

Bhatnagar, R., Rahman, S. Software development for a microprocessor-based power demand controller 4—62081

Bhatt, B.L., Wedekind, G.L. Measurement of flowrates under transient conditions using a differential pressure transducer 4—55763

Bhatt, J.J. Multipurpose offshore mining system (MOMS) for sulfur recovery in Gulf of Mexico 4—62903

Bhatt, V., Jones, J.R. Universal wiring and interconnection approach for fiber-optic local area networks 4—54813

Bhattacharjee, G.P. *see* Ghosh, R.K. 4—50660

Bhattacharya, B.K. *see* Toussaint, G.T. 4—40961

Bhattacharya, D. *see* Kal, S. 4—37699

Bhattacharya, D.P. *see* Khan, F.A. 4—51754, 4—58710

Bhattacharya, D.S. *see* Khemka, P.K. 4—33613

Bhattacharya, E., Narasimhan, K.L. Anomalous temperature dependence of space-charge-limited currents and photoconductivity in amorphous silicon 4—30365

Bhattacharya, M., Agarwal, R.C. Number theoretic techniques for computation of digital convolution 4—47840

Bhattacharya, M., Agarwal, R.C., Dutta Roy, S.C. Alternative low-noise realizations for narrow-band recursive digital filters 4—53626

Bhattacharya, P. *see* Basu, P. 4—33732

Bhattacharya, P.K., Das, U., Ludowise, M.J. Transport properties of *n*-type metalorganic chemical-vapor-deposited $Al_xGa_{1-x}As$ $(0 \leq x \leq 0.6)$ 4—51782

Bhattacharya, P.K., Rhee, J.K. Some properties of semi-insulating and Si-implanted GaAs 4—46815

Bhattacharya, P.K. *see* Subramanian, S. 4—47330

Bhattacharya, R. *see* Dixit, P.N. 4—41077

Bhattacharya, R.N., Rajeshwar, K., Noufi, R.N. Electroless deposition of CdTe thin films 4—46234

Bhattacharyya, A. Effect of trapping in thin oxides on the write and erase characteristics of floating gate EEPROM devices 4—29871

Bhattacharyya, A.K., Garg, R. Self and mutual admittance between two concentric, coplanar, circular radiating current sources 4—42953

Bhattacharyya, A.K. *see* Das, B.N. 4—44586

Bhattacharyya, A.K. *see* Sanyal, S. 4—31624, 4—53300

Bhattacharyya, B.B., Darkani, M. A general and unified approach to the realisation of canonic RC-active oscillators using operational amplifiers for single and variable frequency applications 4—35686

Bhattacharyya, B.B., Darkani, M.T. A unified approach to the realization of canonic RC-active, single as well as variable, frequency oscillators using operational amplifiers 4—46371

Bhattacharyya, B.B. *see* Lopes, P.B. 4—35956

Bhattacharyya, B.B. *see* Raut, R. 4—41473

Bhattacharyya, J. *see* Chaudhuri, S. 4—58736

Bhattacharyya, K., Basu, P.K. Variational calculation of ground subband energy of a two-dimensional electron gas in p-n^+-p structure 4—36312

Bhattacharyya, S. *see* Das, A.K. 4—59241

Bhattacharyya, S.C., Mukherjee, P.K., Pal, S.K. Design optimization of DC series motors by gradient method 4—45461

Bhattacherjee, A.P., Risbud, S.H. Electrical properties of semiconducting glasses in the quasi-binary $CdGeAs_2$-$CdSiAs_2$ system 4—51795

Bhatti, T.S. *see* Tripathy, S.C. 4—34606, 4—45279

Bhatti Surjit Singh *see* Surjit Singh Bhatti

Bhave, B.D. *see* Monga, J.C. 4—44508

Bhavsar, D.D. *see* Wang, F.C. 4—61235

Bhawalkar, D.D. *see* Bhandani, P.K. 4—42680

Bhawalkar, D.D. *see* Biswas, S. 4—55952

Bhawalkar, D.D. *see* Kukreja, L.M. 4—31539

Bhawani Shanker, R. *see* Kosta, S.P. 4—54966

Bheda, H. *see* Thyagarajan, K.S. 4—60261

Bhim Singh *see* Gupta, J.R.P. 4—34645

Bhowmik, A., Cover, R.A. Effects of gain displacements on a tapered wiggler free-electron laser 4—47380

Bhowmik, A. *see* Cover, R.A. 4—47381

Bhupathi Reddy, K. *see* Chandra Mouly, M.C. 4—37786

Bhushan, B. An architectural solution for voice and data integration 4—38389

Bhushan, B. Prediction of surface parameters in magnetic media 4—42263

Bhushan, B., Bradshaw, R.L., Sharma, B.S. Friction in magnetic tapes. II. role of physical properties 4—47179

Bhushan, B., Solberg, L.F. Portable head-tape interface accelerated wear apparatus 4—42255

Bhushan, B. *see* Arnold, R.C. 4—44628

Bhushan, B. *see* Wyant, J.C. 4—47180

Bhushan, S., Asare, R.P. Low temperature studies of grain size effect on the brightness waves of electroluminescence in ZnO electroluminophor 4—52778

Bhushan, S., Asare, R.P. Low temperature studies of voltage and frequency dependence of electroluminescence in rare earth doped ZnO electroluminophores 4—52779

Bhushan, S., Chandra, F.S. Radiation-controlled enhancement of electroluminescence in calcium sulphide electroluminors 4—42465

Bi De-xiang *see* Wu Xun-wei 4—51347

Bi Yanfang, Yan Luguang A quasi-force-free superconducting toroidal magnet achieving 'short-sample' performance 4—31084

Bi-Shiou Chiou, Vest, R.W. High temperature thick-film dielectrics 4—51674

Bi-Shiou Chiou, Vest, R.W. Glasses for high temperature thick-film systems 4—51675

Biaesch-Wiebke, C. Portable video recorder: a master of power economy 4—38869

Biagi, L.A. *see* Matuk, C.A. 4—61667

Biagianti, P. The power MOSFET 4—36578

Biagini, M., Boni, R., De Simone, S., Guiducci, S., Preger, M., Serio, M., Tazzari, S., Tazzioli, F., Trillo, S., Vescovi, M., Ambrosio, M., Barbarino, G.C., Castellano, M., Cavallo, N., Cevenini, F., Masullo, M.R., Patteri, P., Rinzivillo, R., Solimeno, S. Gain measurement and optimization of the energy extraction from the electrons of the Frascati-ADONE FEL 4—47384

Biagioni, R.N. *see* Smiley, P.M. 4—50025

Biahua Yao *see* Yao Biahua

Bialac, R.N. Training MBAs in computer graphics for management 4—45855

Bialecke, E.P., Lewis, R.C. A digital terrain correlation system for tactical aircraft 4—44862

Bialek, J. Application of state estimation for identification of errors in power system configuration 4—49528

Bialek, J., Wasowski, A. Evaluation of asymmetry of three-phase arc furnaces with aid of differential-angular coefficients of asymmetry 4—35048

Bialek, J.M. *see* Weissenburger, D.W. 4—31602

Bialko, M. Parasitic effects in analog circuits with digitally controlled transmittances using multiplying digital-to-analog converters MDAC 4—35941

Bialkowski, M.E., Khan, P.J. Determination of the admittance of a general waveguide-coaxial line junction 4—42905

Bialkowski, M.E., Khan, P.J. Analysis of diode mounts in millimetre-wave propagating structures 4—51511

Bialynicki-Birula, K. *see* Ossowicki, J. 4—45571, 4—45572

Bian Shuheng *see* Liao Shiqiang 4—53048

Bian Yu-Jing *see* Miao Yong-Rui 4—43829

Bian Yujing *see* Shen Wei 4—59364

Bianco, A.J., Swortzel, F.R. AFTI/F-16—an integrated system approach to combat automation 4—44845

Bianco, S., Esposto, F., Lombardi, F., Titli, M. Processing of fibre data in experimental optical cable links 4—32014

Bianco, S., Esposto, F., Lombardi, F., Titli, M. Collection and processing of fiber data in experimental optical cable links 4—32836

Biancoli, L. Load despatching technology 4—56387

Biancomano, V. Semiconductor technology [packaging] 4—52176

Biard, J.R. *see* Hawkins, B.M. 4—59351

Biasi, V.de *see* de Biasi, V.

Biasiotti, A. Intrusion detectors testing techniques 4—33293

Biazzo, M.R. *see* Tewksbury, S.K. 4—52124, 4—52125

Bibber, K.Van *see* Van Bibber, K.

Bibbero, R.J., McCarthy, J.J. System simulation models as configuration tools 4—60542

Bibby, R.J., Kozminchuk, B.W. The location accuracy performance of the Canadian 121.5 MHz COSPAS-SARSAT signal processor 4—32754

Bibinov, N.K., Vinogradov, I.P. Kinetics of formation of excimer XeF(B) in photoexcitation of an Xe-F_2 mixture 4—31334

Bice, C.L. *see* Anderson, W.T. 4—52655

Bicheler, U. Energy saving control circuit for small battery driven devices 4—50935

Bichsel, J., Buess, C. Adapting a video system to a robot 4—48615
Bickers, L. Test equipment for the time and frequency domain measurement of SAW filters 4—52389
Bickers, L. *see* Frisch, D.A. 4—32798
Bickford, H.R. Low inductance chip tester interposers 4—42297
Bickford, H.R., Flint, E.B., Grebe, K.R., Palmer, M.J. Flexible bridging module 4—46745
Bickford, J.P., Khan, A.M.M., Semlyen, A. The use of computer graphics for interactive power system transient calculations in three-phase networks 4—45167
Bickford, J.P., Savic, M.S. Some aspects of system modelling for the estimation of lightning performance of high voltage substations 4—62231
Bicki, Z. *see* Szczerba, R. 4—62023
Bicking, R.E. Sensor applications of Permalloy thin films 4—61372
Bickley, J. Plastic v cavity encapsulation for telecomms 4—57827
Bicknell, R.N., Myers, T.H., Schetzina, J.F. Growth of CdTe films on alternative substrates by molecular beam epitaxy 4—41047
Bicknell, R.N., Yanka, R.W., Giles-Taylor, N.C., Blanks, D.K., Buckland, E.L., Schetzina, J.F. $Cd_{1-x}Mn_x$ Te-CdTe multilayers grown by molecular beam epitaxy 4—46213
Bicocchi, R., Bucciarelli, T., Cacopardi, S., Melacci, P.T., Picardi, G. Autoregressive spectral estimation: a tool to cancel clutter echoes in modern radars 4—38013
Bicocchi, R., Bucciarelli, T., Melacci, P.T. Radar sensitivity and resolution in presence of range sidelobe reducing networks designed using linear programming 4—48501
Biddlecombe, C.S., Simkin, J. Enhancements to the PE2D package 4—31558
Biddlecombe, C.S., Trowbridge, C.W. CAE of electromagnetic devices 4—47556
Biddlecombe, P. Intelcom 1: integrated telecommunications for West Africa 4—60355
Bideev, G.A. *see* Obukhov, S.G. 4—34756
Bidermann, B. *see* Simcoe, B. 4—58388
Bidinger, A. Revolution in telecommunications technology 4—60293
Bidnyi, Yu.M. *see* Presnyakov, I.N. 4—41502
Bidoglio, G. *see* Murray, C.N. 4—56000
Bidwell, R. Environmental consultancy 4—50404
Biedenbach, J.M. *see* Grayson, L.P. *(editor)* 4—35139
Bieder, H.E. *see* Brossmann, U. 4—47230
Biederman, H. Metal doped polymer films prepared by plasma polymerization and their potential applications 4—41101
Biedermann, U. Fault finding on power and communication cables 4—45185
Biefeld, R.M. *see* Barnes, C.E. 4—58764
Biefeld, R.M. *see* Dawson, L.R. 4—51818
Biefeld, R.M. *see* Gourley, P.L. 4—41860
Biefeld, R.M. *see* Hobson, W.S. 4—52772
Biefeld, R.M. *see* Johnson, R.T. 4—52344
Biefeld, R.M. *see* Myers, D.R. 4—36546, 4—41947, 4—59343
Biefeld, R.M. *see* Speriosu, V.S. 4—51812
Biegelmeir, G. Body currents and body impedances at short duration voltages 4—35248
Bieler, C. *see* Ahme, J. 4—39470
Bielicki, A. Developments on controllable dividers 4—58232
Bieling, H.B. Apple-II as a logic analyser 4—61290
Bielinski, J.W. *see* Freed, C. 4—61563
Bielle-Daspet, D. *see* Roux, M. 4—57356
Biemond, J. *see* Katsaggelos, A.K. 4—60169, 4—60250
Bieniek, K. *see* Andressen, E.C. 4—49881
Bienkowski, A. *see* Kulikowski, J. 4—42237
Biensieck, H.-J. Surface mounted components [for PCB] 4—46700
Bienvenu, G., Kopp, L. Decreasing high resolution method sensitivity by conventional beamformer preprocessing 4—60102
Bienvenu, G., Kopp, L. High-resolution methods for localisation of radiating sources 4—60904
Bier, R. *see* Felch, K. 4—36198
Bier, R. *see* Jory, H. 4—36188
Bierman, H. VLSI test gear keeps pace with chip advances 4—44399
Biermann, E.A. Fittings for 3 ply extruded mean stress cable 4—41674
Biernacki, A. *see* Nowak, M. 4—49966
Biernacki, R.M. *see* Starzyk, J.A. 4—29599
Biernat, P.J., House, J.R., Jackson, B.C., Nagi, S.K. A better understanding of the through hole plating of printed circuit boards. II. Multilayer boards 4—46717
Bierschbach, J.E. *see* Abbott, J.J. 4—35341
Biey, D. *see* Merletti, R. 4—44762
Biey, M., Premoli, A. A review of low pole-Q approximation methods for active filter design 4—41460
Biey, M. *see* Merletti, R. 4—44762
Bigelow, J.M. *see* Lawton, R.A. 4—41570
Bigeon, J., Sabonnadiere, J.C., Coulomb, J.L. Finite element analysis of an electromagnetic brake 4—31615
Biggerstaff, J.A. *see* Jones, C.M. 4—33558
Biggs, J.A. *see* Praeg, W.F. 4—59777
Biggs, M.P., LaBudde, E.V. A low noise wideband preamplifier for direct read after write (DRAW) detection 4—50983
Bigio, I.J., Slatkine, M. Injection locking excimer lasers in the UV 4—42616
Bigio, I.J. *see* Slatkine, M. 4—53075
Bigliardi, R., Guglielmo, M., Montagna, R., Riolfo, B. A videoconference system at 64 kbit/s transmission rate 4—61095
Biglieri, E. High-level modulation and coding for nonlinear satellite channels 4—53395
Biglieri, E., Elia, M. Signal sets generated by groups 4—37852
Biglieri, E., Elia, M., Lo Presti, L. Optimal linear receiving filter for digital transmission over nonlinear channels 4—43595
Biglieri, E. *see* Ajmone Marsan, M. 4—37788
Biglieri, E.M. Probability of error for digital systems with inaccurately known interference 4—43115
Bigo, F., Cukier, M., Pilost, D. External clock failure detection in communication networks 4—47980
Bihan, F. *see* Leger, P. 4—54914
Bikineev, V.A., Glushak, N.S., Pevtsov, V.V., Filippov, A.N., Tselishchev, I.V., Shipilov, V.I. Automated monitoring system for the technological process of separation of transplutonium elements 4—61707
Bikkenin, R.R. Estimate of the probability of erroneous reception of broadband signals 4—53662
Bikmurzin, R.S., Dvornikov, A.A., Utkin, G.M. A regenerative single-resonator power summing system 4—30006
Biktashev, Sh.Sh. *see* Bryantsev, A.M. 4—39868
Biktashev, Sh.Sh. *see* Sokolov, S.E. 4—45485
Biktashev, T.Kh. *see* Makarov, V.N. 4—37000
Bilalovic, F., Sabanovic, A., Music, O., Izosimov, D.B. Current inverter in the sliding mode for induction motor control 4—57031
Bilalovic, F. *see* Sabanovic, A. 4—57406
Bilardi, G., Pupolin, S. Spectral analysis of the power of a PAM digital signal 4—37816
Bilegan, L. *see* Ionescu, Tr.-G. 4—39846
Bilenko, D.I., Aban'shin, N.P., Galishnikova, Yu.N., Markelova, G.E., Mysenko, I.B., Khasina, E.I. Electrophysical and optical properties of porous silicon 4—30369
Bilenko, Yu.D., Levinshtein, M.E., Popova, M.V., Yuferev, V.S. Computer model study of the process of switching of a reverse-biased p-n junction to a high conductivity state 4—30417
Bilgutay, N.M., Saniie, J. The effect of grain size on flaw visibility enhancement using split-spectrum processing 4—46275
Bilgutay, N.M., Sanile, J. Evaluation of heat treated stainless steel samples by split-spectrum processing technique 4—50866
Bilgutay, N.M. *see* Tartono, S. 4—50871
Bilik, V. One-rooted intervals of dispersion relations of a resonator with dielectric samples 4—36019
Bilinets, Yu.Yu. *see* Betsa, V.V. 4—42450
Bilinska-Peisert, H. *see* Waszkiewicz, L. 4—39570
Bilinskii, Yu.M. *see* Akhromenko, Yu.G. 4—31456
Billardon, M., Elleaume, P., Ortega, J.M., Bazin, C., Bergher, M., Petroff, Y., Velghe, M., Deacon, D.A.G., Madey, J.M.J. First operation of a storage ring free-electron laser 4—47383
Billardon, M. *see* Deacon, D.A.G. 4—52829
Billardon, M. *see* Elleaume, P. 4—42500
Bille, J. *see* Maenner, R. 4—53856
Bille, J. *see* Zinser, G. 4—32055
Billerbeck, W.J. *see* Ijichi, K. 4—44895
Billet, A.B. The RCV-150 vehicle and recent operational experience 4—61976
Billet, M.L. *see* Vikram, C.S. 4—53088
Billet, R., Vierbaum, R. Investigations into the partial counter-current direct condensation in packed towers during rectification 4—34395
Billigmeier, J.E. Pressure blocking of filled cable 4—54600
Billinge, R.H. *see* Bradwell, A. 4—62262
Billington, R. *see* El-Sheikhi, F.A. 4—40802
Billinton, R., Allan, R.N. Reliability engineering—a basic component in an undergraduate curriculum 4—29161
Billinton, R., Cheung, L.C.H. An energy based approach to generating capacity reliability evaluation 4—34059
Billinton, R., Wacker, G., Wojczynski, E. Customer perception of interruption costs—a Canadian survey 4—34057
Billmann, A. *see* Dieulesaint, E. 4—52436
Billoir, P. *see* Brand, C. 4—33639
Billot, M., Clement, S., Fouquet, M.P., Dhaussy, J.C. Soldering electronic components 4—29245
Billquist, P.J. *see* Yntema, J.L. 4—33620
Bills, D.G., Arnold, P.C., Dodgen, S.L., Van Cleve, C.B. New ionization gauge geometries providing stable and reproducible sensitivities 4—44642
Bills, D.G. *see* Arnold, P.C. 4—44641
Bills, K.W., Jr. *see* Svob, G.J. 4—44891
Bills, R. *see* Behe, R. 4—31802, 4—42998
Billy, J.C. An experimental multi-purpose multiplexing equipment 4—32547
Bilodeau, C. *see* Butler, R.S. 4—31673
Bilsback, M.S., Whritenor, J.M. Plasma panel display presents unique packaging problems 4—61457
Bilson, R.T., Hepher, M.R., McCarthy, J.P. Controlling solder fillets on leadless chip carriers 4—41734
Bilson, R.T. *see* Lynch, J.T. 4—58653
Bilyk, M.G. Approximate formulation of the distribution of peak duration probabilities of a random function 4—50633
Bimberg, D., Ketterer, K., Scholl, H.E., Vollmer, H.P. Generation of 4 ps light pulses from directly modulated V-groove lasers 4—37361
Bimberg, D. *see* Kutt, W. 4—41949
Bimberg, D. *see* Scholl, E. 4—42645
Bimbo, A.Del *see* Del Bimbo, A.
Bin-shan Yen *see* Yen Bin-shan
Binari, S.C. *see* Boos, J.B. 4—36061, 4—52119
Bindal, V.N., Som, J.N., Kumar, A. Practical aspects of piezoelectric ceramic load cells 4—44503
Binder, D. Legal aspects of dam safety 4—45204
Binder, J., Henning, W., Obermeier, E., Schaber, H., Cutter, D. Laser-recrystallized polysilicon resistors for sensing and integrated circuits applications 4—48831
Binder, L., Odar, W. Experimental survey of rechargable alkaline zinc electrodes 4—45599
Bindewald, K., Frischenschlager, F., Geiser, G., Hinz, W. Standardised use of colour for information display in process control stations 4—55608
Bindler, J.-E., Zollner, G. Investigations regarding the suitability of a heat cost distributor with electric registration of measured values for one-pipe heating with profile pipe circuit 4—50231
Bindon, F.J.L. Maintenance of nuclear power stations in the UK 4—39988
Bindra, A.K. Flat panels are getting bigger, brighter, and better 4—33380
Bindra, A.K. Smart-power technology ushers in era of logic and power on a single chip 4—58958
Bindra, P. *see* Arbach, G.V. 4—33310
Bindyuk, V.V. Equipment for measuring cross-sectional rigidity in presence of bending applied to elastic microcomponents of high-precision devices 4—33549
Binet, M. *see* Meignant, D. 4—29955
Bing-fu Shen *see* Yi-fan Gu 4—61669
Bing-lin Chu *see* Chu Bing-lin
Bing-xue Shi *see* Shi Bing-xue
Bing-zheng Gai *see* Gai Bing-zheng
Bingchen Xu *see* Xu Bingchen
Bingde Xu *see* Xu Bingde
Bingfu Ren *see* Ren Bingfu
Bingham, J. *see* Hanson, K. 4—54498
Bingham, J.A.C. Applications of a direct-transfer SC integrator 4—46566
Bingkun Yu *see* Yu Bingkun
Bingkun Zhou *see* Zhou Bingkun
Binglin Zhou *see* Zhou Binglin
Bingrong Liu *see* Liu Bingrong
Bingshen Qiu *see* Qiu Bingshen
Bini, D., Capovani, M. Fast parallel and sequential computations and spectral properties concerning band Toeplitz matrices 4—40999
Binkerd, M.S., Milczarek, R.J., Olson, R.F. Customer interactive hardware features for network services 4—32257
Binkley, J.R. Formal line clearance program slashes outages [overhead line maintenance] 4—40809
Binkley, M. *see* Coteus, P. 4—55824
Binns, D.F., Cooke, G.H. Breakdown between insulated ring conductors in $SF_6/C_8F_{16}O$ 4—59072
Binns, K.J., Wong, T.M. Computation of the operational characteristics of self starter permanent magnet machines 4—49862
Binns, P.J. *see* Douglas, J.A. 4—33891
Binns, S.E. *see* Utting, I.A. 4—54439
Binsma, J.J.M., Giling, L.J., Bloem, J. Defect chemistry of $CuInS_2$ 4—36306
Bionta, R.M. *see* Jones, T.W. 4—55811
Biotteau, B. *see* Mautref, M. 4—34888
Bir, D., Eng, J., Hoo, R. The evolution of the SL-1 PBX 4—48368
Biraghi, B. Systems for receiving (trasking) and analysing signals or, in other words, the spectral analyser 4—39110
Birca-Galateanu, S. Two LEDs indicate multiple states 4—41295
Birch, A., Green, R. Votes on the line 4—43628
Birch, A.D. *see* Matthews, J.C. 4—36678
Birch, B. Innovation transforms the laboratory balance 4—33508
Birch, J.R. *see* Leotin, J. 4—37203
Birch, K.G. *see* Ruixiang Liu 4—55161
Birch, P.K. Near-future aspects of thermal management of electric vehicle battery systems 4—45615
Birch, P.K. Thermal management of EV battery systems 4—62743

Birchfield, J.R. Nuclear power plants need very careful maintenance 4—40005
Birchfield, J.R. Special tools help keep nuclear plants going 4—40006
Birchfield, J.R. Here's what's new in welding power supplies [electronic control] 4—62866
Birchfield, J.R. Optimized power supply meets all project needs [welding] 4—62868
Birchfield, J.R. Putting a head on a nuclear reactor 4—62869
Birchler, B., Hess, O.M., Niederer, P., Lehareinger, Y., Krayenbuhl, H.P., Anliker, M. Computer-aided evaluation of cine-angiograms in the diagnosis of left-ventricular functioning 4—61765
Bird, C.L., Lowe, A.C., Stephenson, R.A. Electrochromic display employing multiple reference electrodes 4—44564
Bird, C.L., Minshull, J.F., Smith, P.M., Stephenson, R.A., Szatkowski, M.J. Pipelined data transfer for grey-scale electrochromic display 4—33161
Bird, G.R. *see* Morel, D.L. 4—50057
Bird, G.R. *see* Piechowski, A.P. 4—47437
Bird, G.R. *see* Sadrai, M. 4—59464
Bird, J.D. *see* Brandau, B.L. 4—56335
Bird, J.S. Error performance of binary NCFSK in the presence of multiple tone jammers 4—43958
Bird, J.S., Bridgewater, A.W. Performance of space-based radar in the presence of earth clutter 4—54866
Bird, S.P. *see* Apley, W.J. 4—62456
Bird, W.L. *see* Pratap, S.B. 4—42778
Birdsall, I.P. *see* Askew, J.C. 4—35284
Birdwell, G.L. A utility interactive photovoltaic research house 4—34515
Birecki, H., Naberhuis, S., Kahn, F.J. Erasable optical liquid crystal disc memory 4—52713
Biringer, P.P. Arc furnace disturbances 4—62823
Birk, M. *see* Eichmeier, J. 4—61789
Birkemeier, W.P. *see* Weitzen, J.A. 4—48466
Birkett, N. *see* Berry, P. 4—34492
Birkholz, U. *see* Rick, M. 4—46834
Birkholz, U. *see* Rosenzweig, J. 4—41856
Birmingham, W.P., Miller, B.L., Stein, W.L. Experimental results of using the GPS for Landsat 4 onboard navigation 4—38723
Birmiwal, K., Bar-Shalom, Y. Dual control guidance for simultaneous identification and interception 4—47890
Birnboim, H.C. *see* Ing, H. 4—55916
Birnstock, R. *see* Rimpl, G.R. 4—55889
Biro, M. On a mathematical programming approach to the topic of the most efficient tests 4—40916
Biro, O. Application of the Bubnov-Galerkin method to nonlinear stationary magnetic field problems with inhomogeneous boundary conditions 4—37529
Birolini, A. Methods for reliability assurance of technical devices and systems 4—40887
Birou Sun *see* Sun Birou
Birrer, I.J. *see* Dome, G.J. 4—39713
Birsa, F. *see* Serlemitsos, P.J. 4—33781
Birta, L.G. *see* Vuong, X.T. 4—29690
Birtcher, R.C. *see* Egusa, S. 4—36953
Birtwhistle, D. Temperature rises in electrical switchboards 4—40345
Birtwistle, G. *see* Liblong, B. 4—52243
Birynkov, V.F. *see* Balandin, Yu.P. 4—61163
Biryukov, A.S., Karakhanova, I.V., Konoplev, N.A., Shcheglov, V.A. Thermally excited CO_2 cascade lasers 4—59448
Biryukov, N.S., Zhuravlev, B.V. Fast-response radiation-identifying instrument with separate integration of the signal components 4—61698
Biryuleva, T.B., Maisuradze, Sh.A., Nadtochii, V.M. Vibration characteristics of the stator winding of an SV-712/227-24 U4 hydrogenerator 4—40209
Bisault, D. Impedance bridges 4—44555
Bisbee, A.M., Quincy, E.A., Tomich, D.J. Beam-steered vertical seismic arrays for wave classification 4—56282
Bischof, A., Aldinger, F. Reliability criteria of new low-cost materials for bonding wires and substrates 4—58671
Bischof, E. No inertia—no damage [NC lathes] 4—57628
Bischof, H., Scheer, D., Willmes, O. Wear tests, approximating to practical experience, on materials used for water-bearing high pressure control valves in power plants 4—41116
Bischoff, G., Krusius, J.P. Automated and technology independent device model generation for integrated circuit simulation 4—36785
Bischoff, G., Krusius, J.P. Technology independent and automatic device model generation for custom ICs 4—52261
Bischoff, J.C. *see* Nottenburg, R. 4—37226
Bisera, J., Weil, M.H., Rackow, E.C. The perfusometer: an instrument for assessing the condition of critically ill patients 4—44709
Bishay, S.T. Communication of radio waves in sea with a rough upper surface 4—42850
Bishop, A.E., Knight, P. The safe use of electroexplosive devices in electromagnetic fields 4—59773
Bishop, C.A. *see* Howson, R.P. 4—45662
Bishop, D. *see* Thompson, L.R. 4—29532
Bishop, G., Fuchs, H. The self-tracker: a smart optical sensor on silicon 4—44517
Bishop, J. *see* Ruchti, R. 4—33680
Bishop, P.J. *see* Carpenter, H. 4—49783
Bishop, R.C.E. *see* Wearmouth, W.R. 4—44285
Bishop, R.W. *see* Askew, J.C. 4—35284
Bisi, G. *see* Voegelin, M.R. 4—49190, 4—49271
Bisi, O., Tu, K.N. Atomic intermixing and electronic interaction at the Pd-Si(111) interface 4—36331
Bisiacchi, G.F. *see* Firmani, C. 4—46778
Bisiani, R. *see* Anantharaman, T. 4—53536
Bisjarin, A.B. *see* Gorochow, W.A. 4—33307
Biske, E.F., Ginzburg, P.B. Portable torque transducers with unified electric output signals 4—61343
Biss, M.S., Hsu, L. Mechanical design of a low concentration ratio solar array for a space station application 4—40465
Bistreitz, Y. Comments on 'A necessary condition for Hurwitz polynomials' 4—40900
Bistritz, Y., Shaked, U. Discrete multivariable system approximations by minimal Pade-type stable models 4—46306
Bistrom, J.R., Turu, E.J., Lindstrom, K. Performance of the control system for the national grid in Finland 4—34072
Biswas, B.N., Pramanik, K., Chattopadhyay, T.P., Ghosh, B., Sikka, P.K. Frequency chirping in avalanche oscillations 4—58895
Biswas, D.J. *see* Bhandani, P.K. 4—42680
Biswas, D.K., Pandey, G.K. Air pollution problems in thermal power plants 4—34385
Biswas, G., Dubes, R.C. Some experiments in two-dimensional grammatical inference 4—38036
Biswas, N. *see* Ruchti, R. 4—33680
Biswas, N.N. *see* Sarje, A.K. 4—40977
Biswas, R. Ceramic chip capacitors decrease noise in DIP-mounted digital ICs 4—51564
Biswas, R.N. Microprocessors in instrumentation 4—55195
Biswas, S., Durgaprasad, N., Kajarekar, P.J., Vahia, M.N., Yadav, J.S., Basu, C., Goswami, J.N., Kukreja, L.M., Bhawalkar, D.D. ADC(CR-39) detector module for Space Shuttle Spacelab-3 cosmic ray experiment 4—55952
Biswas, S., Nair, G. A generalization of Freund's model for a repairable paired component based on a bivariate Geiger Muller (GM) counter 4—61722
Biswas, S. *see* Kukreja, L.M. 4—31539
Biswas, S.K. *see* Gopakumar, K. 4—50130
Bitelli, G. *see* Bartolini, L. 4—59425
Bitmead, R.R. Persistence of excitation conditions and the convergence of adaptive schemes 4—43305
Bitner, J. 110 kV power line with AFL-8 350 mm^2 conductors 4—56608
Bitner, L.R., Vorob'yev, G.A., Ivanova, Ye.V. Effect of upper electrode on the forming of MIM systems 4—30470
Biton, M. *see* Shinar, J. 4—46098
Bittan, T.D., Lentz, R.E. A 2400 Hz generator for synchronization of the METEOR satellites 4—41228
Bitterman, D., Wilson, D. Ocean current profiling with a shipboard Doppler acoustic backscatter system 4—61947
Bittner, B., Pederson, L.W., Hershey, J.E., Gates, H.M. An overview of EHF communications for normal and stressed environments 4—37591
Bittner, H.F., Badcock, C.C., Quinzio, M.V., Mertz, L.O. The effect of low drain rates on $LiSO_2$ cell performance 4—40400
Bityugova, I.G. *see* Khutoretskii, G.M. 4—34590
Bivens, D. Test equipment saves time during installation and maintenance [telephone systems] 4—61228
Biwer, R. *see* DeLuca, W. 4—40421
Bizais, Y. *see* Kim, K.I. 4—39536
Bizais, Y. *see* Zubal, I.G. 4—39541
Bize, D. *see* Guillame, B. 4—31525
Bizouard, A. *see* Dubost, G. 4—41550
Bizzarri, R., Cesaroni, F., Ciapetti, G., di Capua, E., Iori, M., Loverre, P.F., Marel, G., Piredda, G., Zanello, L., Haupt, L., Hellman, S., Holmgren, S.O. On-line fiducial volume trigger for a small, rapid cycling bubble chamber 4—55976
Bjarke, G.O. *see* Waechter, D.A. 4—33898
Bjelkhagen, H., Pouyat, F., Kasper, P., Miranda, E.E., Sekulin, R.L., Venus, W., Walton, L. Test of high resolution two-beam holography in a model of the Big European Bubble Chamber, BEBC 4—39468
Bjerkan, L. Pulse dispersion measurements on concatenated cabled optical fibers at 1.3 μm 4—37095
Bjorck, A. A general updating algorithm for constrained linear least squares problems 4—40991
Bjorkholm, J.E. *see* Bowers, J.E. 4—37395, 4—52995
Bjorkholm, J.E. *see* Smith, P.W. 4—31490
Bjorkholm, P.J. *see* Burstein, P. 4—35525
Bjorklund, C.M. *see* Washwell, E.R. 4—54894
Bjorklund, G.C., Levenson, M.D. Polarization gated writing of photochemical holes for FM polarization detection in frequency domain storage 4—47300
Bjorklund, G.C., Moerner, W.E. Material for voltage-selective and frequency-selective storage at GaAs laser wavelengths 4—42322
Bjorklund, G.C., Sincerbox, G.T. High-speed character/pattern generator 4—42439
Bjorklund, G.C. *see* Pokrowsky, P. 4—53118
Bjorklund, G.C. *see* Romagnoli, M. 4—47507
Bjorklund, G.C. *see* Tran, N.H. 4—31489
Bjurel, G., Dudnik, A., Hjortendal, R. Development of line circuits for AXE 10 4—32555
Blaauboer, R.O. *see* Van Engelen, C.P.M. 4—33751
Blaauw, C. Preparation and characterization of plasma-deposited silicon nitride 4—46250
Blachman, N.M. Trigonometric approximations for Bessel functions 4—40905
Black, A.G., Hauptman, W.G. Op-amp full-wave rectifier circuit 4—29658
Black, A.R. *see* Baines, R.W. 4—45993
Black, G.W., Pittar, J. Extra RAM for the System-80 computer 4—58305
Black, J.K. *see* Schmidt, M.P. 4—29946
Black, J.L., Fleming, I.R. Electronics in hospital practice 4—61845
Black, J.L. *see* Attikiouzel, J. 4—49220
Black, J.P. *see* Chang, J. 4—33142
Black, P. How ISDN services could make or break the big network 4—47964
Black, P. ISDN—a new challenge for test instrumentation 4—60348
Black, W.M. *see* Gold, S.H. 4—31274, 4—31279, 4—52835, 4—59382
Blackburn, G.F. *see* Ho, N.J. 4—33236
Blackledge, P. Hierarchical data capture: linking systems and chips [VLSI design language] 4—45948
Blackley, W.S., Jack, M.A., Jordan, J.R. A digital polarity correlator with built-in self-test and self-repair 4—51282
Blackley, W.S., Jack, M.A., Jordon, J.R. An exercise in gate array technology 4—58250
Blackmarr, B.R. Videotex: increasing the access 4—48075
Blackmarr, B.R. Networking: surveying the lay of the LAN 4—48232
Blackstone, S. *see* Tanielian, M. 4—58040
Blaczkowska, A. *see* Waszkiewicz, L. 4—39570
Bladel, J.van *see* van Bladel, J.
Bladou, J. The optical RAM, or when faults become virtues 4—29854
Bladou, J. 32-bit microprocessors: an increased complexity for simplified programming 4—29913
Bladou, J. Toshiba develops a laser-aided etching technique 4—36703
Bladou, J. Integrated circuits for Ethernet 4—43779
Bladou, J. Economic and performing: Transbar pressure transducers 4—48853
Bladou, J. An integrated circuit for measuring temperature and delivering 10 mV/°C 4—49030
Bladou, J. Increase in software protection with EEPROM microcomputers 4—51206
Bladou, J. Potentiometers: a slow but real development 4—51553
Bladou, J. A silicon gate CMOS technology optimised for linear application 4—52291
Bladou, J. Surface waves: a field still to be explored 4—52376
Bladou, J. Speech synthesis: almost Hi-Fi! 4—53460
Blaesi, M., Bacquet, J.-M. Light: why?, how?, how much? 4—40584
Blaffert, T. Fuzzy sets and inverted searches 4—38066
Blagodarov, A.N. *see* Maksimov, A.V. 4—59246
Blagoev, L. *see* Nachev, G. 4—57615, 4—57616
Blagoveshchenskiy, V.A. *see* Veselov, G.I. 4—53264
Blahut, R.E. Fast convolution of rational sequences 4—41005
Blaiklock, P.M. Distributed control using fiber optic data highway 4—44118
Blain, B.J. Intelligibility enhancement of audio tape recordings 4—37902
Blaine, R.L. Thermal aging kinetics of materials 4—35565
Blair, E.L., Balachandran, T.K. Acceptance sampling plan design with the Apple III microcomputer 4—45987
Blair, G.R. *see* Tangonan, G.L. 4—52675
Blair, P.K., Hargrave, P.J. Satellite Navigation 4—38714
Blais, R.A. Spacelab high density digital recorders 4—48793
Blaising, J.J. *see* Anderson, L. 4—55989
Blaison, S. *see* Wehr, M. 4—47279
Blake, I.F. *see* Stuber, G. 4—59900
Blake, K. *see* Berry, P. 4—55737
Blake, M.W., Lofe, J.J., Stringfellow, N.J. Using fault tree methodologies in availability improvement studies at Southern Company Services 4—34351
Blake, R.J. *see* Ray, W.F. 4—62751

Blakemore, P.E. Measurement of telecommunication systems 4—54505
Blakers, A.W., Green, M.A., Szpitalak, T. Surface damage caused by electron-beam metallization of high open-circuit voltage solar cells 4—57349
Blakers, A.W. *see* Green, M.A. 4—45649, 4—50044
Blakey, P.A., East, J.R., Haddad, G.I., Mains, R.K. Millimeter wave semiconductor devices 4—51545
Blamont, J.E. Spaceborne lasers in atmospheric research 4—61929
Blanc Smith, M.G.Le *see* Le Blanc Smith, M.G.
Blanchard, B. *see* Gerard, Ph. 4—30974
Blanchard, D. *see* Alexander, M. 4—52096
Blanchard, F.A., Lickly, T.D. Analysis of chemical samples for environmental levels of radioactivity using a massively shielded 18% Ge(Li) system 4—33774
Blanchard, M., Durand, J., Durand, L.G., Guardo, R. Instrumentation for prosthetic heart valve sound analysis 4—49310
Blanchard, R., Severns, R. MOSFETs, Schottky diodes vie for low-voltage-supply designs 4—50941
Blanchard, R.C., Duckett, R.J., Hinson, E.W. The Shuttle Upper Atmosphere Mass Spectrometer experiment 4—44802
Blanchard, Y. *see* Dorey, J. 4—60902
Blanchet, R. *see* Krawczyk, S. 4—30323
Blanchis, P. Study of scattering in a low geometry alpha counter for high precision activity measurements 4—56022
Blanco, A., Fonti, S., Mancarella, M., De Cosmo, V. Polarization properties of some materials at near millimeter wavelengths 4—59184
Blanco, M.A. On the detection of signals in the presence of noise and interference of unknown power: a geometric approach 4—47879
Blanco, M.M. *see* Compton, R.C. 4—37147
Blanco, S. *see* Perez, F. 4—30093
Blanco Martin, E. Optical bar code readers: a review 4—61307
Bland, C.J. A combination filter-funnel-counting planchet for alpha spectrometry 4—61724
Bland, P.H. *see* Schmitt, R.M. 4—56368
Bland, T.J., Niggemann, R.E., Wren, P.W. Organic Rankine cycle power conversion systems for space applications 4—39664
Blandon, M. *see* Giannotti, J.G. 4—62468
Blank, E.I., Ornov, V.G., Semenov, V.A., Chernya, G.A. Automated control systems in power engineering 4—34048
Blank, J.K. The evolution of passenger/baggage screening at airports 4—39168
Blank, L.C. *see* Frisch, D.A. 4—32798
Blank, R.E. *see* Johnson, C.B. 4—54998
Blank, R.W., Knoernschild, G.F. An austere GPS receiver for airborne applications 4—38729
Blank, R.W. *see* Arnold, J.L. 4—38744, 4—49430
Blank, S.L. *see* Fratello, V.J. 4—30973
Blankenship, J.L. *see* Hynes, M.V. 4—55845
Blankenship, J.L. *see* Sjoreen, T.P. 4—61686
Blanks, D.K. *see* Bicknell, R.N. 4—46213
Blanks, H.S. Detection and accelerated testing of vibration-induced connector wear 4—41717
Blanz, E. *see* Schwarzmann, P. 4—53870
Blanzat, B. *see* Benoit, J. 4—47355
Blaschewitz, F. What are reverse conducting thyristors? 4—40324
Blaschewitz, F. Stepping motors. Method of operation and fields of application 4—62559
Blaser, C. *see* Lim, H.S. 4—40409
Blasi, P. *see* Bezzon, P. 4—33579
Blasius, J.E. Friendly software for data acquisition 4—61217
Blasius, J.E., Hlavacek, R.A. Choosing a high-frequency data acquisition system 4—39089
Blasquez, G., Boukabache, A. MOSTs: validity of existing theories 4—30659
Blasquez-Paredes, J. *see* Noyola-Isgleas, A. 4—49219
Blasse, G. *see* 't Lam, R.U.E. 4—37206
Blaszyk, P.E. *see* Marrone, M.J. 4—42364
Blatov, V.V. Piecewise polynomial conversion of noise 4—29350
Blatt, K. *see* Kramer, D. 4—33623
Blatt, S.R. *see* Schmidt, M.P. 4—29946
Blatter, M. *see* Ulmi, R. 4—34516
Blattler, R. The TRIDIM transducer for three-dimensional measurement 4—33262
Blattner, J.D., Huber, J.P., Nobles, C.A. Effective logic analysis techniques for increased design productivity 4—51154
Blauschild, R., Fabbri, R. Two-chip modem for FSK data transfer 4—60574
Blausten, E.J. Inside ITT's beefed-up design for global packet networking 4—38272
Blauvelt, H., Parsons, J., Lewis, D., Yen, H. High-speed GaAs Schottky barrier photodetectors for microwave fiber-optic links 4—54805
Blauvelt, H., Thurmond, G., Parsons, J., Lewis, D., Yen, H. Fabrication and characterization of GaAs Schottky barrier photodetectors for microwave fiber optic links 4—55455
Blazek, C. *see* Donakowski, T. 4—49660
Blazek, V. Numerical searching method for finding possible values of a symmetrical short-circuit current in case of inaccurately given parameters of synchronous machines 4—49853
Blazek, Z. Computation of forces acting on a ferromagnetic body in a rotationally symmetrical magnetic field 4—47547
Blazevic, P. *see* Kreisel, V. 4—56878
Blazhkevich, B.I. Optimisation of tabular representation of a transformation function of a converter for spectral ratio peak intensity meter 4—55725
Blazquez Fontao, A. Night vision: a review of systems and applications 4—61271
Blech, I.A. *see* Pan, J.T. 4—30430
Blecha, Z., Drahohovsky, Z., Lhotak, Z., Zemlicka, J. On fabrication of sapphire substrates (1102) for epitaxy of monocrystalline silicon 4—30545
Blecher, M. *see* Bryman, D. 4—33632
Bleckwendt, W. Helium-neon lasers. Radiation from gases 4—59397
Bleehan, N.M. *see* Sathiaseelan, V. 4—39582
Blegen, A.H. Users put Minnesota on the map 4—53982
Bleicher, A. Btx for direct trading and internal communication 4—54295
Blejer, D. Early time analysis of insulated antennas excited by source region EMP 4—37725
Blemberg, W.R., Cordan, E.W., Pepple, R.D. A hierarchical workstation design approach to custom VLSI 4—58989
Blesser, B. Upconverting D/A 4—29933
Blesser, B. Digital audio: clock generation 4—33003
Blesser, B. Digital audio: the FFT. I 4—50725
Blesser, B. The FFT. II 4—60016
Blessing, G.V., Bagley, P.P., James, J.E. The effect of surface roughness on ultrasonic echo amplitude in steel 4—55782
Bletkin, N.P. *see* Ter-Gazaryan, G.N. 4—40210
Bletskan, D.I., Polazhinets, N.V., Chepur, D.V. Photoelectric properties of crystalline and glassy $GeSe_2$ 4—58750
Blewitt, G. *see* Jones, T.W. 4—55811
Blickley, G.J. Smart transmitters monitor tank farm inventories 4—55280
Blickley, G.J. Adjustable speed motor drives customized with internal microcomputers 4—62719
Blidberg, D.R., Westneat, A.S., Corell, R.W. An examination of the application of expert systems in unmanned untethered submersibles 4—61952
Blidberg, D.R. *see* Corell, R.W. 4—61945
Blieden, H. Continuous production of thin film amorphous silicon solar cells 4—62696
Blieden, H.R. Recent developments in amorphous photovoltaic technology 4—57369
Bliem, C.J., Fullmer, K.S., Kochan, R.J. Performance of a 5 MW(e) binary geothermal-electric power plant 4—40143
Blikh, M.Kh., Kormishina, T.M., Kurilo, I.G., Sedykh, A.V. Normalisation modules for analogue signals in automatic processing systems [A/D conversion] 4—51330
Bliklen, H., Reimer, F. Instrument operational amplifier with 50 mA output current 4—50988
Blinde, D.R. *see* Mykkanen, C.F. 4—57582
Blinkov, E.L. *see* Yakimets, I.V. 4—62204
Blinov, A.N. *see* Eperin, A.P. 4—45224
Blinov, I.F., Sitnin, O.V. Experience in operating the structures of the Mansour Eddahbi hydropower development 4—62423
Blinov, N.N., Gromov, G.D., Kuskova, N.M., Popova, T.A., Popov, V.V. Radiation quality control in diagnostic X-ray equipment 4—56083
Bliss, D.H. A new HF-link parameters/quality analysis approach 4—38460
Bliss, J., Stevenson, D. Communication between microcomputers by optical fibre 4—38271
Blissett, J.A., Hasell, D.K., Kendall, E.W., Payne, B.T., Saxon, D.H. Development of a prototype tapered cell drift chamber 4—61710
Blistanova, V.S. *see* Shcherbakov, V.T. 4—35540
Blitshtein, A.A., Pishchikov, V.I., Pishchikov, S.I. Problems associated with consolidation of currents of electrodes in a diagonal MHD channel 4—45669
Blitz, J., Deraman, S.B. Eddy-current measurements of inclined simulated cracks in a Wood's metal model 4—29561
Bliven, L.F. *see* Huang, N.E. 4—49476
Bloch, A. *see* Argan, P. 4—33693
Bloch, P.D., Doe, N.G., Paige, E.G.S. Behaviour of device structures based on IDT-generated bulk waves in a plate of lithium niobate 4—52434
Bloch, P.D., Paige, E.G.S., Wagg, M.W. Design considerations for surface skimming bulk wave devices: reflection, suppression, and encapsulation 4—47161
Bloch, P.D. *see* Barnard, M.E. 4—52421
Blochl, H. *see* Bursik, A. 4—34374
Block, P., Nyssen, E., Cornelis, J., Dewilde, P., Demoor, D., Taeymans, Y., De Meirleir, K., Huyghens, L., Bossuyt, A., Kornreich, F. Improved interpretation of ECG surface potential maps. Its usefulness for diagnosis of right ventricular myocardial infarction 4—49241
Block, R.C. *see* Johnson, D.S. 4—30875, 4—59083
Block, T.R., Kobliska, D.C., Soderstrom, R.L. Variable-resolution data collection for diode lasers 4—37373
Blocker, W. *see* Krouskop, T.A. 4—49112
Blockl, R. Microcomputers permit low-cost assessment [temperature measurement] 4—39347
Blodgett, J.A. *see* Athale, R.A. 4—60158
Bloeckl, R. Economic methods of temperature measurement with microcomputer systems 4—48702
Bloem, J., Oei, Y.S., de Moor, H.H.C., Hanssen, J.H.L., Giling, L.J. Near equilibrium growth of silicon by CVD. I. The Si-Cl-H system 4—35477
Bloem, J. *see* Beers, A.M. 4—35503, 4—35509
Bloem, J. *see* Binsma, J.J.M. 4—36306
Bloem, J. *see* Hanssen, J.H.L. 4—35478
Bloembergen, N. Nonlinear optics—past, present, and future 4—53062
Bloemen, H. The I^2C technology increases the capacities of multimeters 4—61202
Bloemendaal, A.L *see* Brinkman, A. 4—48755
Blok, H. *see* Distelbrink, J.H.J. 4—33666
Blok, H.P. *see* Marsden, R.G. 4—39437
Blokhin, A.V., Azarova, N.A. Systematic error of a differential extrema detector 4—33075
Blokhin, I.K., Kholodnov, V.A. Impedance of a long diode with double carrier injection and a small departure from quasineutrality 4—30580
Blokhina, E.L. *see* Budzko, I.A. 4—39855
Blom, H.-O. *see* Ostling, M. 4—47073
Blomberg, M., Carlson, R., Elenius, K., Granstrom, B. Auditory models in isolated word recognition 4—59972
Blomberg, M. *see* Magnusson, L. 4—43244
Blomeyer-Bartenstein, H.P. Local networks in industrial applications 4—48220
Blomeyer-Bartenstein, H.-P. Broadband or baseband? [communication networks] 4—32369
Blondeau *see* Chapelat 4—38600
Blondeau, R. *see* Hersee, S.D. 4—37381
Blondel, M. *see* Heitmann, W. 4—47273
Blonstein, L. British Aerospace's communication satellites 4—38538
Blonstein, L. Trends in satellite technologies 4—44052
Blood, B. *see* Carey, J. 4—41321
Blood, P. Review of capacitance-voltage profiling methods 4—36461
Blood, P. *see* Woodbridge, K. 4—52945
Bloom, D.M. *see* Kolner, B.H. 4—59267
Bloom, D.M. *see* Wang, S.Y. 4—59332
Bloom, J.A. Generation cost curves including energy storage 4—56471
Bloom, J.A., Caramanis, M., Charny, L. Long-range generation planning using generalized Benders' decomposition: implementation and experience 4—62124
Bloom, P.J. Use of dynamic programming for automatic synchronization of two similar speech signals 4—53500
Bloom, P.J., Marshall, G.D. A digital signal processing system for automatic dialogue post-synchronization 4—53669
Bloom, P.J. *see* Marshall, G.D. 4—39097
Bloom, R.D., Fedor, J., Wikinson, D.J. Method of checking print band velocity 4—61213
Bloom, R.D., Gac, J.V., Kozol, E.T. Digital control system for detenting a DC servomotor 4—57082
Bloom, S.D. Correlation and calibration of anechoic chambers 4—59781
Bloomberg, D.S. *see* Lean, M.H. 4—31580
Bloomquist, C.E. Spacecraft anomalies and lifetimes 4—49347
Bloor, R.N. A computer program to determine interrater reliability for dichotomous-ordinal rating scales 4—29331
Bloss, W.H. *see* Pfisterer, F. 4—50084
Bloss, W.L. Plasmons and intersubband plasmons of a superlattice 4—46847
Bloss, W.L. Plasmon and intersubband modes of a superlattice—classical versus quantum limits 4—58780
Blot, F. *see* Marcille, R. 4—62324
Blotskii, N.N., Dmitriev, A.N., Plotnikova, T.V., Filichev, O.N. Operating regimes of a self-excited asynchronized generator 4—62518
Blouse, J.L. *see* Forneris, J.L. 4—36818
Blow, K.J. *see* Nelson, B.P. 4—59213
Bloznyalis, M.Yu., Paulauskas, M.A., Rashkinis, A.V. Model control system for the extremal states of a power distribution system. I. Problems of dispatcher-adviser design 4—34182
Bludman, S.A. *see* Gaisser, T.K. 4—33736
Bludska, J. *see* Vondrak, J. 4—61472
Blue, L.A., Landers, J.D., Jr., Minor, R.G. Automatic restart for microprocessors 4—46505
Blue, R.A. *see* Morrissey, D.J. 4—39473
Bluethman, R.G., Fisher, R.C. Architecture for system storage, display, and processing of NCI data 4—43325
Blum, A. Self-adjusting analog ejection-injection testing 4—41319
Blum, A. Self-testing mechanism [for VLSI logic chip] 4—46428
Blum, E.J. *see* Blundell, R. 4—41585
Blum, J.B. The potential use of sol-gel technology in microelectronics packaging 4—57845

Blum, K., Brackmann, W. High-speed transfer systems for HV motors 4—49831
Blum, M., Vazirani, U.V., Vazirani, V.V. Reducibility among protocols 4—53432
Blumberg, D.F. Remote diagnostics seeks to aid field services 4—57777
Blumberg, R.J., Culican, E.F., Diepenbrock, J.C., Eaton, P.L., Schettler, H. Test inhibit generator 4—48710
Blume, F. Programmable melody generator with automatic tone duration control 4—33017
Blumel, G. *see* Eichmeier, J. 4—61789
Blumenstock, K., Schorner, R., Hezel, R. Interface state density of APCVD and PECVD silicon nitride films on silicon 4—30462
Blumenstock, K. *see* Hezel, R. 4—51894
Blumenthal, A.H., Campana, S.B. Development of an image quality model for object discrimination 4—55251
Blumenthal, B. Teletel in agriculture 4—43717
Blumenthal, S. *see* Falk, G. 4—32183
Blumer, A. Geometric bounds on the relative entropy 4—47773
Blumhagen, H.-J. Fire insurance companies requirements for lightning protection 4—39925
Blumhagen, H.-J. Potential-equalisation in lightning protection 4—39926
Blumhagen, H.-J. Electrified fences 4—45811
Blundell, M.G., Overshott, K.J. Inter-relationship of power loss and flux density of neighbouring grains in commercial grain-oriented 3% silicon-iron 4—42225
Blundell, R., Ibruegger, J., Gundlach, K.H., Blum, E.J. Low-noise 140-170 GHz heterodyne receiver using quasiparticle tunnel junctions 4—41585
Blunn, R.W., Salt, A.N., Thornton, A.R.D. Construction of a simple auditory stimulus polarity indicator 4—33842
Blunt, R.T., Sanders, I.R., Singleton, J.F. Planar channeling of Si implants in GaAs 4—36455
Blunt, R.T., Szweda, R., Lamb, M.S.M., Cullis, A.G. Annealing of Mg implants in GaAs using incoherent radiation 4—41961
Bluvband, Z., Shahaf, S. Sparing criteria—clear management approach 4—45918
Bluyssen, H.J.A. *see* Sigg, H. 4—52890
Bly, D., Hosenfeld, G. Toward a paperless plant record system 4—48015
Blyler, J.E. External fuel tank temperature evaluation 4—44830
Blyler, M.L. *see* Bohlander, R.A. 4—37593
Blyth, W., Mendrik, J., Sciarappa, A., Temime, J.P. The European videoconferencing experiment (EVE) 4—61092
Blyumbertas, R.I., Undzenas, A.I. Concerning the ionisation potentials of carbazole-containing compounds 4—47333
Bo Sim Kwang *see* Kwang Bo Sim
Bo-yuan Hou *see* Hou Bo-yuan
Boag, J.W. *see* Conere, T.J. 4—61839
Boak, K. Factories' computers in demand 4—60550
Boanas, G. Experiences with the operation of SF_6 medium voltage switching equipment and the ensuing development tendencies 4—62655
Board, K. *see* Darwish, M. 4—42051, 4—47061
Boardman, C.M. CCD image sensors and robotic vision 4—33157
Boardman, C.M., Deschamps, J. Plasma displays: foundations and characteristics 4—61468
Boardman, S.M. *see* Hang, K.W. 4—36163
Bobde, D.P., Ramakrishnan, S., Sarkar, S. Computer communication via APPLE: an experimental study 4—32360
Bobev, S.I. *see* Bahcevanov, V.J. 4—30170
Bobev, S.I. *see* Spirov, S.I. 4—30169
Bobev, Z. *see* Krustev, K. 4—29275
Bobev, Z.I. *see* Spirov, S.I. 4—30169
Bobikov, V.E., Tripoten', I.G. Investigating the electrostatic fields on the insulators of gas-filled plant 4—49997
Bobrikov, Yu.V., Potapov, N.N., Ershov, A.V., Volobuev, Yu.S. Controlling the ease of slag removal from metal deposited with a strip electrode 4—45784
Bobrov, B.D., Kiselev, V.M., Grenishin, A.S. Influence of gasdynamic shock waves on the lasing kinetics in a flashlamp-pumped iodine photodissociation laser 4—31323
Bobrov, E.N., Vasil'ev, V.V., Vas'kov, S.T., Orlov, A.P., Stepnev, V.A., Fesenko, B.V. Terminal VTsKP network for the regional control of internal affairs 4—32463
Bobrov, E.P. *see* Cherneeva, L.I. 4—62648
Bobrov, E.S. Electrically conducting orthotropic cylindrical shell in axial and radial magnetic fields [superconducting solenoids] 4—42315
Bobrov, N.L. *see* Yanson, I.K. 4—37053
Bobrov, V.T. *see* Sosedov, V.N. 4—44933
Bobrovnik, Yu.M. *see* Pentegov, I.V. 4—35069
Bobrovskii, A.N., Kiselev, V.P., Kozhevnikov, A.V., Likhanskii, V.V., Mishchenko, V.A., Myl'nikov, G.D. Two-photon optical pumping of NH_3 in a multipass cell 4—42558
Bobrowski, G. Discriminator and pulse-width decoder 4—58205
Bobrowski, G., Pankowski, B. Programmable waveform frequency divider 4—58411
Bobry, H. Understanding uninterruptible power supplies. VI. Output transfer switches 4—45556
Bobry, H.H. Understanding uninterruptible power supplies. V. [UPS invertors] 4—34732
Bobry, H.H. Understanding uninterruptible power supplies. VII. Batteries and auxiliary power 4—49567
Bobry, H.H. Understanding uninterruptible power supplies. III. Power protection methods 4—56665
Bobylev, A.V. *see* Kopylov, Yu.L. 4—37142
Boc, I. *see* Arato, P. 4—42228
Bocchieri, E.L., Childers, D.G. Interactive graphics editor permits study of animated speech articulation 4—43243
Boccia, L.J. Variations in processing substrates with CCCs 4—45976
Bocek, M. Iterative method for the calculation of optimal train travel with regard to power consumption 4—34990
Boch, R. *see* Roussille, R. 4—31227
Bocharnikov, V.V. *see* Rozhentsev, V.S. 4—39314
Bocharov, T.V. *see* Ben'kova, L.F. 4—48863
Bochenek, K. An algorithm for optimization of packet flow in a telecommunication network 4—59913
Bochkans, Ya.P. *see* Dzelme, B.M. 4—51834
Bochkov, V.S. *see* Namitokov, K.K. 4—62659
Bochkov, Yu.V., Levit, A.D., Levonovich, B.N., Panasyuk, E.I., Serdyuk, N.V. The possibility of growing ZnSe crystals with hole mobility 4—58012
Bochmann, D., Posthoff, C. A design strategy for logic circuit design 4—41331
Bochmann, G.von *see* von Bochmann, G.
Bock, C. *see* Comerchero, H. 4—49226
Bock, D.E. *see* Cox, R.V. 4—54476
Bock, H.W. *see* Aleite, W. 4—44442
Bock, K. The use of Kaplan turbines on the Austrian stretch of the Danube 4—62432
Bocker, J.W. Requirements for automatic bath control: example from nickel electroforming 4—40650
Bocker, R.P., Bromley, K., Clayton, S.R. A digital optical architecture for performing matrix algebra 4—53802
Bockhorn, F., Diegler, H. Ventilation and heating of the milking room 4—57660
Bockisch, A. *see* Braun, G. 4—55848
Bockmair, M., Detlefsen, J., Lange, M. Angular discrimination using multistatic pulse radar information 4—54848
Bockmair, M. *see* Gan, T. 4—51534
Bockris, J.O'M. *see* Itoh, K. 4—52768
Bockris, J.O'M. *see* Murphy, O.J. 4—50021
Bockstahler, R.W. *see* Underwood, J.M., Jr. 4—49402
Bocqueho, P., Desert, B. Experimental F-O teledistribution network [fibre optics link] 4—61062
Bodak, O.I. *see* Bartish, L.A. 4—30373
Bodansky, D. Electricity and natural gas use for residential space heating: US experience, 1976-80 4—57569
Bode, D. Electronic governing offers several advantages [diesel engine speed control] 4—56860
Bodecker, K. *see* Kupfer, J. 4—50464
Bodelle, J. The White House's new energy plan: energy news from the USA 4—35223
Boden, R. *see* de Regge, P. 4—55995
Bodenkamp, J. Voice recognition—the future man-machine interface 4—31908
Bodenkamp, J. The iSBC-186/51 computer communications circuit board 4—38294
Bodenkamp, J. Developments with the 80186 and 80188 microcomputers 4—41369
Bodey, D.W. Using a VELA without tears 4—50368
Bodganova, D.A. *see* Venikov, V.A. 4—45414
Bodin, P. *see* Bricard, P. 4—56267
Bodinaud, J.A., Schneider, M.C. A new formulation of the Early effect in epitaxial bipolar transistors 4—47015
Bodirsky, H. *see* Wilhelm, R. 4—44130
Bodman, G.R. *see* Stetson, L.E. 4—49598
Bodnar, G. *see* Bencze, L. 4—57258
Bodnaryuk, V.A. *see* Farkhadzade, E.M. 4—40669
Bodovitz, J.P. DBS, the FCC, and the prospects for diversity and consumer sovereignty in broadcasting 4—54928
Bodson, D., Cotton, R. The government's first step toward standardizing TV-motion gear 4—44299
Bodson, D., Schaphorst, R.A. Integrating facsimile with word processors 4—38233
Bodson, J.M., Mayeur, X., Capieaux, P. Microprocessor control of an autopiloted synchronous motor 4—34636
Boegli, J.-P., Pluss, E., Fischer, H., Wild, D. Automatic switch-over of supergroups. II 4—43884
Boehm, F. *see* Forster, A. 4—33636
Boehm, R.F. *see* Wu Zhi-jian 4—62419
Boehnlien, A.J. *see* Gilbert, J.A. 4—31503
Boekkee, D.E. *see* Van Der Lubbe, J.C.A. 4—59899
Boelee, A. *see* van Beek, H.F. 4—33782
Boell, H.-P. A wobbly turn [government policies] 4—60286
Boenink, H.J., van Heusden, A.R., Koolhoven, W., Rijnsdorp, J.E., Smit, J.J. Optimum energy utilization in total chemical plant operation 4—62876
Boenning, R.A., Morris, V.B., Jr. Research and development for logistics support 4—45965
Boer, B.T.de *see* de Boer, B.T.
Boer, F.W.N.de *see* de Boer, F.W.N.
Boer, J.de *see* de Boer, J.
Boer, J.De *see* De Boer, J.
Boer, K. *see* Rienstra, F. 4—50551
Boer, R.W.De *see* De Boer, R.W.
Boer, W.Den *see* Den Boer, W.
Boerner, T., Leutheusser, H.J. Calibration of split-fibre probe for use in bubbly two-phase flow 4—33245
Boers, P.M. *see* Kitzen, W.J.W. 4—53720
Boersma, J. *see* Deschamps, G.A. 4—37562
Boersma, S.L. Noise in computerised MTF machines 4—53884
Boes, E.C. Photovoltaic concentrator technology summary 4—40474
Boettcher, R. *see* Cotton, K.C. 4—49752
Boetti, A. *see* Lynch, J.T. 4—40865
Boettinger, H.M. Doctrine, decision and development in international telecommunications 4—43525
Boettinger, W.J. *see* Spal, R. 4—56058
Bogach, V.G., Vilesov, D.V., Gal'perin, V.E. Stabilization of effective value of nonsinusoidal voltage on autonomous electric power systems 4—62039
Bogachek, Yu.L. *see* Mandel'berg, S.L. 4—62844
Bogachenkov, V.A., Bratman, V.L., Denisov, G.G., Kolomenskii, A.A., Ofitserov, M.M., Papadichev, V.A., Petelin, M.I., Sinil'shchikova, I.V., Smit, O.A. Experimental investigation of the free-electron maser 4—59365
Bogaenko, I.N., Boichuk, M.V. Non-stationary temperature fields in asynchronous machines having an unsymmetrical stator winding 4—40242
Bogaenko, I.N., Boichuk, M.V. Non-stationary temperature fields of asynchronous machines with asymmetrical stator winding 4—45439
Bogaenko, I.N., Burlakov, M.V. Monitoring of the electrical and technological equipment for rolling mills 4—57595
Bogaenko, I.N., Burlakov, M.V. Monitoring of electric parameters and process equipment of rolling mills 4—57597
Bogan, M., Badin, M. Comparative analysis of the in-service behaviour of 110 kV substations based on statistical data and operation reliability computations 4—57239
Bogatov, A.P., Eliseev, P.G., Okhotnikov, O.G., Rakhaval'skii, M.P., Khairetdinov, K.A. Interaction of modes and self-stabilization of single-frequency emission from injection lasers 4—31395
Bogatov, A.P., Eliseev, P.G., Okhotnikov, O.G., Rakhval'skii, M.P., Khairetdinov, K.A. Injection AlGaAs laser with external dispersion resonator formed by a diffraction lattice and a returning mirror 4—59548
Bogatov, A.P., Vasil'ev, P.P., Morozov, V.N., Sergeev, A.B. Direct detection of picosecond pulses emitted by an injection laser with active mode locking 4—42691
Bogatskii, M.M. *see* Anan'ev, L.L. 4—55654
Bogatyrchuk, V.I. *see* Siukaev, A.V. 4—39957
Bogatyrchuk, V.I. *see* Snukaev, A.V. 4—56704
Bogatyrev, A.E. *see* Fesenko, L.D. 4—42505
Bogatz, A. Two-channel digital-to-analogue converter module for connection to the K1520 or MC80 microcomputers 4—29952
Bogdan, E.J. *see* Li, S.T. 4—37631
Bogdanevich, N.A. *see* Stognii, B.S. 4—45494
Bogdankevich, O.V., Donskoi, E.N., Kovalenko, V.A., Panitkin, Yu.G., Tarasov, M.D. Distribution of the excitation density in electron-beam-pumped semiconductor lasers 4—42606
Bogdanov, F.G. Diffraction of H_{10} wave by an arbitrary dielectric rod 4—37704
Bogdanov, V.A. Selection of parameters for a teledata capture system 4—45184
Bogdanov, V.A., Shul'zhenko, S.V. A practical method of calculating limitations when assessing the state of a power system 4—49518
Bogdanov, V.A., Shul'zhenko, S.V. Synthesizing models of interconnected power systems 4—62041
Bogdanov, V.G., Gainutdinov, N.I., Sosnin, V.S., Igoshev, V.A., Ivanov, V.D., Buldakov, S.B. Automated process control system for testing large electrotechnical equipment 4—57131
Bogdanova, D.A. *see* Venikov, V.A. 4—40362
Boggess, A. *see* Weistrop, D. 4—61245
Boggess, T.F., Moss, S.C., Boyd, I.W., Smirl, A.L. Nonlinear-optical energy regulation by nonlinear-refraction and absorption in silicon 4—53074
Boggess, T.F. *see* Boyd, I.W. 4—46795
Boggiatto, D., Colizzi, E., Veneri, R., Sacchi, E. The thermal design of L-SAT large Telecommunication Satellite 4—44808
Boggs, G.J. *see* Musser, J.M. 4—32364

Boggs, L.M. Optical measurements in the manufacture of optical fibers 4—52661
Boggs, S. *see* Deschamps, L. 4—62130
Boggs, S.A., Fujimoto, N. Techniques and instrumentation for measurement of transients in gas-insulated switchgear 4—45565
Boghdady, W. *see* Metwally, S.M. 4—43661
Bogie, K.D., Beyers, C.J.E. Software reliability [NDT of pressure vessels] 4—35320
Bogle, L. C-MOS paces development of application-specific circuits 4—35713
Bogli, U. *see* Ulmi, R. 4—34516
Bognar, A., Csecsody, S., Csomore, S., David, P., Zelenyanszki, E. Automatic, selective apparatus free of transient overvoltages developed for measuring the electric endurance of insulators 4—56648
Bogner, A. *see* Bachmaier, A. 4—62656
Bogner, B. *see* Ackley, D.E. 4—31394
Bogner, R.E. *see* Davis, B.R. 4—48391
Bogolyubskii, S.L. *see* Aranchuk, L.E. 4—42755
Bogomolov, A.A. *see* Bey, N.A. 4—42917
Bogomolov, L.P., Bonver, E.B., Ratsin, Yu.V., Kichko, O.V. Micromodel for estimating the interaction processes in computer networks 4—43482
Bogomolov, N.I. *see* Berdikov, V.F. 4—29544
Bogong Su *see* Su Bogong
Bogoroditskii, A.A., Goloto, I.D. Robotics facilities for monitoring and controlling production of instruments 4—30192
Bogryi, V.S., Kulikov, B.P. Two-ring rectifier scheme 4—45523
Bogucz, E.A., Walker, J.D.A. Fourth-order finite-difference methods for two-point boundary-value problems 4—41013
Boguslavskii, L.B., Drozhzhinov, V.I., Semenova, T.A. Investigation of the SEKOP network through modeling and measurements 4—43672
Bohacek, J. Precise measuring power and work of AC electric current 4—55620
Bohaty, L. Crystallographic aspects of the linear electro-optic effect 4—42422
Boheim, M. Automatic gauging of analog circuits that are digitally adjustable 4—37922
Bohge, M. Examination of the supply reliability of the Bewag compound network 4—45083
Bohlander, R.A., Brady, V.T., McSweeney, A., Kirkman, G.F., Newton, J.M., Davis, A., Sipson, O.A. A quasi-optical millimeter wave transmitter and receiver array for measurements of angular scintillation 4—44917
Bohlander, R.A., McMillan, R.W., Brady, V.T., Kirkman, G.F., Sinclair, M.J., Larsen, J.W., Blyler, M.L., Lilly, R.P., Gallentine, D.O., Clifford, S.F., Priestley, J.T., Hill, R.J., Cupp, R.E., Abshire, N.L., Fritz, R.B., Cartwright, W., Ochs, G.R., Lataitis, R.J., Wilson, J.J., Walford, G.M. Observations of amplitudes and angle of arrival scintillation in millimeter wave propagation caused by turbulence in clear air near the ground 4—37593
Bohle, G. Microelectronics discussed. I. Job preserver instead of job killer. 'The job killer No.1' mirrored in numbers 4—35347
Bohle, G. Microelectronics—chips with everything 4—36689
Bohle, G. Microelectronics—chips everywhere 4—52232
Bohlen, H., Keyser, J., Zapka, W. Homogeneous illumination of electron beam transmission masks 4—51953
Bohlen, H. *see* Behringer, U. 4—52202
Bohlen, U. Industrial prospects of heat/power cogeneration 4—34378
Bohley, T.K. *see* Smith, D.J. 4—48709
Bohlman, E. Pushbutton circuit sends a bounce-free pulse or a string of timed pulses 4—51036
Bohm, E., Lingaya, S., Weller, A. Drive control system of the TRANSRAPID 06 4—50152
Bohm, M. Off-shore helicopter radio navigation using DME-based positioning system 4—38709
Bohm, M. Mobile telephones for all using digital techniques 4—54099
Bohm, M., Erb, O., Scharmann, A. Electrical conduction in $PbMoO_4$ crystals 4—58760
Bohm, R. *see* Ulrich, W. 4—54008
Bohm, W. Choice of motor type for electrical drives 4—40198
Bohmann, J., Meyr, H. An all-digital realization of a baseband DLL implemented as dynamical state estimator [noncontact speed measurement] 4—61545
Bohmann, J., Meyr, H., Peters, R., Spies, G. A signal processor for a noncontact speed measurement system 4—45706
Bohme, H. *see* Ambrosch, H. 4—39787
Bohme, H. *see* Lobl, H. 4—41643
Bohme, J.F. Estimation of source parameters by maximum likelihood and nonlinear regression 4—53708
Bohmer, J. *see* Schubert, R. 4—43800
Bohn, E.V. Recursive evaluation of Walsh coefficients for multiple integrals of Walsh series 4—31860
Bohnenblust, W. The new telecommunications operating centre of the company Radio-Schweiz AG 4—53990
Bohnenblust, W. Leuk has its third ear [antenna for satellite communication] 4—54699
Bohnke, F. *see* Bachus, E.-J. 4—54808
Bohong Ji *see* Ji Bohong
Bohua Wang *see* Wang Bohua
Boiarski, A.A. Fiber optic motion sensor 4—61591
Boiarski, A.A., Nagarajan, V., Wright, I.G., Carlton, H.E. Oxygen partial pressure measurements inside a 0.6 m fluidized bed coal combustor 4—44646
Boichuk, M.V. *see* Bogaenko, I.N. 4—40242, 4—45439
Boidin, M. *see* De Fornel, B. 4—57029
Boie, R.A. Capacitive impedance readout tactile image sensor 4—48893
Boie, R.A. *see* Miller, G.L. 4—49489
Boies, S.J. *see* Gould, J.D. 4—48038
Boije af Gennas, C. Microprocessor control system for large power plants 4—56526
Boiko, A.P. The use of cast stone for protecting solid fuel handling plant 4—40083
Boiko, B.B., Insarova, N.I., Olefir, G.I., Petrov, N.S., Chernyavskii, V.A. Experimental investigation of the lasing parameters of a laser with a thin absorbing layer in the resonator 4—42595
Boiko, B.T., Kopach, G.I., Opanasyuk, A.S., Arinkin, A.V., Kopach, V.R. Crystal and energy structures of thin cadmium telluride layers for photoelectric transducers 4—51770
Boiko, F.K. *see* Porokhnaya, V.M. 4—55301
Boiko, V.A., Bunkin, F.V., Derzhiev, V.I., Koldashov, G.A., Faenov, A.Ya., Fedosimov, A.I., Yakovlenko, S.I. Lasing on Be II transitions in a recombining plasma produced by a ruby laser 4—52918
Boiko, V.A., Bunkin, F.V., Derzhiev, V.I., Yakovlenko, S.I. Possibilities of amplification of ultraviolet and soft X-ray radiation on multiply charged ion transitions in a recombining plasma 4—37259
Boiko, V.A., Rybin, V.N. Influence of surface recombination on the transient photoconductivity spectrum 4—30299
Boiko, Yu.V. *see* Pilipenko, G.S. 4—61555
Boikov, Yu.A., Kutasov, V.A. Influence of boundary layers on the electrical properties of lead telluride thin films 4—46839
Boikov, Yu.A., Kutasov, V.A. Electrophysical properties of polycrystalline lead telluride films 4—46840
Boikov, Yu.A. *see* Abduraimov, V.E. 4—58762
Boilot, J.P. *see* Lejeune, M. 4—36931
Boireau, P. *see* Mills, K. 4—58519
Bois, D. *see* Rosencher, E. 4—41912
Bois-Clair, J.C. *see* Croteau, G. 4—57273
Boisrobert, C. *see* Meslage, J. 4—52786
Boisson, V., Chante, J.P., Le Helley, M., Rouault, G. Two-dimensional simulation of the potential distribution in p-n junctions with a graphic-computer-aid 4—36321
Boite, R., Leich, H. Comments on 'A fast procedure to design equiripple minimum-phase FIR filters' 4—51435
Boiteux-Steffan, G. *see* Guillet, J. 4—58573
Boiteux-Steffan, G. *see* Laleg, M. 4—58067
Boithias, L. Two types of errors in the prediction of wave attenuation due to rain 4—31661
Boithias, L. Statistical model of propagation by multiple tropospheric paths 4—42871
Bojan, N.V. *see* Ijac, Gh. 4—40223
Bojarczuk, N.A. *see* Auret, F.D. 4—29528, 4—30587
Bojarski, N.N. Closed form approximations to the inverse black body radiation problem 4—47568
Bojinowa, K. Assistance through agency services for small and medium-sized firms [Btx] 4—54316
Bojsen, J. Cadmium telluride [CdTe(Cl)] detectors and their geometrical characteristics in local disappearance measurements using radionuclides 4—33665
Bojsen, J., Kolendorf, K., Deckert, T. Portable detectors for ^{125}I-insulin absorption measurement during subcutaneous infusion with portable pumps 4—33858
Bojun Zhou *see* Zhou Bojun
Boke, E., Herzwurm, A. Utilization even without being told to [heat utilization in German industry] 4—62840
Bokor, J. *see* Bucksbaum, P.H. 4—51964
Bokshtein, O.N., Litovskaya, E.G. The use of powerful D253-4000 diodes in resistance welding machines 4—45782
Bokun, L.I., Kirshov, V.A. Estimating the calibration error of gradient hydrophones in a liquid layer 4—34006
Boland, A.J. *see* Fitzpatrick, G.L. 4—55781
Boland, J.S., III. *see* Cocks, D.T. 4—62839
Boldea, I., Nasar, S.A. Theoretical study of an induction-synchronous MHD converter 4—34939
Bolding, C.E., Page, E.W. Computer-integrated manufacturing in the production of aluminum-foil capacitors 4—58561
Boldyrev, A.V. *see* Zemskov, G.G. 4—29283
Boldyrev, V.M., Losev, V.L., Sigal, M.V., Gusakov, V.I. The use of nuclear power stations as sources of centralised heat supply to industrial and residential conurbations and agricultural and power consuming complexes 4—40004
Boldyrev, V.M. *see* Baturov, B.B. 4—34294
Boldyrevskii, P.B., Karpovich, I.A., Parshkov, V.G. Epitaxial layers of GaAs doped with chromium 4—41967
Bolewski, N. 'Ultimatte', an electronic masking method for video tricks 4—61028
Boley, C.D. *see* Post, D.E. 4—61617
Boley, D., Golub, G.H. A modified method for reconstructing periodic Jacobi matrices 4—29316
Bolger, J.C., Mooney, C.T. Die attach in hi-rel P-dips: polyimides or low chloride epoxies? 4—57836
Bolgradov, V.A. *see* Stefanov, S.K. 4—47255
Boliang Chen *see* Chen Boliang
Boliger, A. EMC—the consciousness of another pollution problem 4—59764
Bolin Zhao *see* Zhao Bolin
Boling Yang *see* Yang Boling
Bolinov, V.A., Varfolomeev, L.P., Gusev, V.G. Fluorescent lamp starting with an enhanced supply voltage frequency 4—50197
Bolkhovityanov, Yu.B., Kravchenko, A.F., Chikichev, S.I. Nonequilibrium deep-center trapping in liquid epitaxy on gallium arsenide 4—58035
Boll, S.F. *see* Porter, J.E. 4—59977
Bolle, D.M. *see* Hwang, W. 4—42719
Bolle, D.M. *see* Hwang, W.-L. 4—46622
Bolle, D.M. *see* Wagen, J.F. 4—37710
Bolle, G. Future developments in TV technology 4—54994
Bolle, G., Ciccarella, G., Marietti, P. Concentration of the sun light: CCD used as sensors 4—34922
Bolle, G., Marietti, P. Low cost programmed quantity markers 4—33114
Bollen, D. Ace interface 4—29909
Bollen, J.A.M. Numerical stability of descent methods for solving linear equations 4—40986
Bollen, R. The photographic effect of long term persistency of radiographic screens 4—49146
Bollen, R.L. *see* Vincent, W.R. 4—33455
Bollen, W.M. *see* Goplen, B. 4—30269
Bollinger, D., Iida, S., Matsumoto, O. Reactive ion etching: its basis and future. I 4—46960
Bollinger, D., Iida, S., Matsumoto, O. Reactive ion etching: its basis and future. II 4—52226
Bollinger, J.J., Itano, W.M., Wineland, D.J. Laser cooled $^{9}Be^{+}$ accurate clock 4—39002
Bolmont, D., Chen, P., Sebene, C.A. Electronic properties at abrupt metal-Si (III) interfaces 4—41896
Bolognese, T. *see* Brand, C. 4—33639
Bolomey, J.C., Izadnegahdar, A., Jofre, L., Pichot, C., Peronnet, G., Solaimani, M. Reply to comments on 'Microwave diffraction tomography for biomedical applications' 4—56096
Bolomey, J.C., Jofre, L., Peronnet, G., Pichot, C. Microwave tomography and its potential application to the control of hyperthermia treatments 4—39607
Bolomey, J.-C. *see* Comeron, A. 4—53274
Bolomey, J.-C. *see* Henaux, J.-C. 4—59840
Bolopion, A., Rognon, J.P., Roye, D. The use of microprocessors for control and fault detection of electronic power converters. Contribution to safety and maintainability 4—57210
Bolore, M. *see* Julien, J. 4—33690
Bolotov, I.E., Shvalev, V.O., Fisheleva, S.B., Serkov, L.A. Kinetics of crystallization of amorphous vacuum condensates of selenium on mica 4—58047
Bolsens, I. *see* De Man, H. 4—36897
Bol'shakov, E.P. *see* Beruchev, N.G. 4—61603
Boltnev, A.N. *see* Zhigal'skii, G.P. 4—36352
Bolton, A.G. Analogue-to-digital transform to preserve the frequency-magnitude characteristics of all-pole filters 4—41499
Bolton, A.G. Zero phase filtering of stored data using recursive digital filters 4—46575
Bolton, B., Spanyol, J.L. The place of innovative and commercial skills in engineering education in the UK 4—35163
Bolton, G.V.R. The management challenge of microelectronics 4—41927
Bolton, H.R., Ashen, R.A. Influence of motor design and feed-current waveform on torque ripple in brushless DC drives 4—49858
Bolton, J.T. The Meniscograph as a quality control tool—a case study in solderability testing 4—45986
Bolton, R., Carlini, R., Bowman, J., Cooper, M., Hallin, A., Frank, J., Hoffman, C., Matis, H., Mischke, R., Nagle, D., Mariam, F., Sandberg, V., Sennhauser, U., Sanders, G., Werbeck, R., Williams, R., Hofstadter, R., Hughes, E., Wilson, S., Rolfe, J., Wright, S., Grosnick, D., Hogan, G., Highland, V., Van, M.D. The Crystal Box: rare decays of the muon 4—55816
Bolton, W.D. *see* Alexander, A.D. 4—35313
Boltz, C.L. CCD devices: principles of working and potential use 4—30615

Boltz, K. Lighting technology, production technology and power supply for the broadcasting of the 28th Eurovision Song Contest 4—38767
Boltz, K. Lighting for the 1983 Eurovision Song Contest 4—50208
Boltz, K., Voss, M. 'The Ring of the Nibelungen' in Bayreuth [stage lighting] 4—50207
Boltze, P. JVC home computer with video facilities. An entertainment artist 4—38883
Bom, N., Meester, G.T., Navarro-Lopez, F. Comparison of cardiac imaging techniques: echo/scintigraphy/angiography/NMR 4—49263
Bomar, B.W. Orthogonal-state structures for realizing low-noise digital filters with reduced number of multipliers 4—58469
Bombarda, F., Coulon, J.P., Platz, P., Ramette, J. γ-background discrimination in position-encoding X-ray proportional counters 4—55827
Bomben, G. *see* Stassen, H.H. 4—38060
Bombik, B. Transmission of concomitant sound in television 4—60973
Bomm, H. Measuring computer system for automatic measurement and testing procedures 4—33128
Bommel, P.J.van *see* van Bommel, P.J.
Bommel, P.J.M.van *see* van Bommel, P.J.M.
Bomy, D., Mouline, K. Management of vehicle fleets by radiotelephone 4—43984
Bonafino, E.J., Bourgeois, S.L., Lazzarini, D.J. Cleaning of boards after the application of a solder mask 4—46705
Bonapace, C.R., Li, K., Kahn, A. GaAs(110)-Al interfaces formed at low temperature 4—41895
Bonaudi, F. *see* Beer, A. 4—61682
Boncelet, C.G., Jr., Dickinson, B.W. An approach to robust Kalman filtering 4—47880
Bond, A. Mercury opens Pandora's box 4—32177
Bond, A.H., Brown, R.S., Rowbury, C. An industrial vision system recognising overlapping industrial parts using grey scale images under a wide range of lighting conditions 4—53824
Bond, C.W. Liquid scintillation counting: elimination of spurious results due to static electricity 4—49071
Bond, D.J. Practical primality testing 4—31898
Bond, J. Semicustom circuits arrive 4—29762
Bond, J. Architectural advances spur 32-bit micros 4—46482
Bond, J., Crane, L. Infrared radiation: a free-space transmission alternative 4—48012
Bond, L.J., Punjani, M., Saffari, N. Review of some recent advances in quantitative ultrasonic NDT 4—46264
Bond, L.J. *see* Saffari, N. 4—50872
Bond, W.D. *see* Lauf, R.J. 4—30122
Bondaletov, V.N., Ivanov, E.N., Petrov, S.R., Tyut'kin, V.A. Efficiency of conductor acceleration in the pulsed magnetic field of a solenoid 4—31604
Bondaletov, V.N. *see* Baltakhhanov, A.M. 4—59709
Bondar, A.P., Gribok, I.G., Pozyaikin, V.P. Designing a self-contained digital voltmeter for minimum power consumption 4—33361
Bondar, M.V., Vovk, L.V., Zabello, E.I., Tikhonov, E.A. Distributed feedback lasers on countercoming pumping beams 4—52860
Bondar', N.M. *see* Grotte, A.M. 4—36249
Bondar', S.A. *see* Malyshkin, M.A. 4—30337
Bondarenko, A.R., Senchenko, V.V. Investigation of the characteristics of a cylindrical resonator with a double-layer filling 4—41564
Bondarenko, A.V. General theorem for implementation of active RC-circuits 4—51409
Bondarenko, B.V., Makukha, V.I., Sheshin, E.P. Stability of emission and lifetime of some emission cathodes 4—41749
Bondarenko, E.I. *see* Raevskii, I.P. 4—58763
Bondarenko, N.L., Kozhevnikov, V.I. Improving the temperature stability of magnetic thickness gauges 4—39317
Bondarenko, N.N., Bratolyubov, V.B. A comprehensive set of principal characteristics of power semiconductor devices. I. Electrical characteristics 4—49956
Bondarenko, V.G., Perel'man, M.P., Bortruk, V.A. Methods of remote measurement of the frequency characteristics of data links used in automatic control systems 4—44453
Bondarenko, V.I., Drunov, V.A., Sebko, V.P., Tyupa, V.I. Inspection of conducting materials with use of alternating current 4—35534
Bondarenko, Yu.K. *see* Troitskii, V.A. 4—29549, 4—62016
Bondarev, S.P., Kupreichik, N.P. Use of focons in combination with luminance amplifiers 4—37137
Bonde, R.S. *see* Lal, P.K. 4—49510
Bondurant, D., Wick, D. The Honeywell HT5000—a VLSI subnanosecond TTL gate array 4—58283
Bondurant, R.S., Kumar, P., Shapiro, J.H., Maeda, M. Degenerate four-wave mixing as a possible source of squeezed-state light 4—53086
Bondurant, R.S. *see* Kumar, P. 4—47508
Bondy, J., Weaver, R. Bus schedule change issues in the on-board distributed data system (ODDS) 4—49399
Bondyrev, A.N. *see* Shinkarenko, G.V. 4—56707
Bone, M.F., Price, A.H., Clark, M.G., McDonnell, D.G. Dielectric studies of monoester and diester nematogens 4—48976
Bone, S., Pethig, R. Dielectric properties of biopolymers 4—59054
Bonek, E., Leeb, W.R., Scholtz, A.L., Philipp, H.K. Optical PLLs see the light 4—60839
Bonello, O.J. Distortion in positive- and negative-feedback filters 4—35949
Bonet, Y. Tone detection circuit 4—29723
Bong Ryul Kim *see* Gee Keun Chang 4—50059
Bongers, C., Haubrich, H.-J., Richter, H.-J., Schwarz, J. Availability of the power supply for the auxiliaries of nuclear power stations—computation and sensitivity analysis 4—34141
Bongiovanni, G., Bonuccelli, M.A., Gopal, I.S., Tang, D.T., Wong, C.K. Optimal switching algorithm for multibeam satellite systems with variable bandwidth beams 4—32723
Bonhomme, H. *see* Legros, W. 4—34807
Boni, R. *see* Biagini, M. 4—47384
Bonifacio, R., Casagrande, F. Instabilities and quantum initiation in the free-electron laser 4—47398
Bonifacio, R., Pellegrini, C., Narducci, L.M. Collective instabilities and high-gain regime in a free electron laser 4—47399
Bonifacio, R. *(editor)* Dissipative systems in quantum optics. Resonance fluorescence, optical bistability, superfluorescence 4—35165
Bonin, K.D., McIlrath, T.J. Dye laser radiation in the 605-725-nm region pumped by a 544-nm fluorescein dye laser 4—59452
Bonino, F., Lazzari, M., Rivolta, B., Scrosati, B. Electrochemical behavior of solid cathode materials in organic electrolyte lithium batteries: copper sulfides 4—57307
Bonino, F., Lazzari, M., Scrosati, B. Lithium-copper molybdate voltage compatible battery 4—45598
Boniort, J.Y. *see* le Sergent, C. 4—37157
Bonitatibus, A.De *see* De Bonitatibus, A.
Bonivert, W.D. Ultrasonically assisted development of thick photoresist 4—41709
Bonnafe, J. *see* Jimenez, J. 4—37197
Bonnard, R. *see* Aaron, G. 4—49335
Bonnedal, D. *see* Heitmann, W. 4—47273
Bonnefille, R. *see* Lechat, D. 4—40228
Bonnefoy, L. *see* Beer, A. 4—61682
Bonner, J. Digital techniques for fade-free, secure HF data communications 4—32485
Bonner, J.A., McGranaghan, M.F. Transformer-terminated lines—effect of transformer parameters on switching surges 4—49610
Bonner, T. *see* Curthoys, J.R.C. 4—33544
Bonner, W.A. *see* Chin, B.H. 4—51779
Bonner, W.A. *see* Dutt, B.V. 4—46226
Bonner, W.A. *see* Schwartz, G.P. 4—51991
Bonner, W.F. *see* Knowlton, D.E. 4—40015
Bonnet, A. *see* Conan, A. 4—51806
Bonnet, G. Beyond the group velocity: signal and wave velocities 4—31620
Bonnet, G. Beyond the group velocity: signal and wave velocities. II. Amplitude distortion and some attenuation processes 4—37559
Bonnet, J. *see* Pigache, D. 4—51698
Bonnet, M., Macchi, O. An echo canceller having reduced word size taps and using the sign algorithm with extra controlled noise 4—60082
Bonnet, M. *see* Hirtz, J.P. 4—29499
Bonnet, M. *see* Marraud, A. 4—43417
Bonnet, Y., Braquet, H., Ferry, M. Linear control of phase-controlled rectifiers 4—29657
Bonnetblanc, G. Implementation of a French legal system for videotex 4—48120
Bonney, R., Zehl, O., Rosenbaum, J., Price, M.G. Performance and optical characterization of efficient wideband gallium phosphide Bragg cells 4—59284
Bonnice, W.E. An elementary course in microcomputer software, architecture and applications 4—40752
Bonnier, D. *see* Cruickshank, J.M. 4—54896
Bonnitcha, D.L. *see* Rose, I.A. 4—39774
Bonsett, T.C. *see* Kolodziejski, L.A. 4—58015
Bontius, G.H., Borst, H. Coal/nuclear power generation costs—an EG/UNIPEDE study 4—62278
Bontius, G.H., Willemsen, P. Market survey of small CHP installations and heat pumps 4—56794
Bonuccelli, M.A. *see* Bongiovanni, G. 4—32723
Bonver, E.B. *see* Bogomolov, L.P. 4—43482
Bony, H., Shapiro, M., Yogev, A. Theory and operation of the IBr-photodissociation Br laser 4—47404
Bonyhard, P.I., Ekholm, D.T., Hagedorn, F.B., Muehlner, D.J., Nelson, T.J., Roman, B.J. Characterization of 8 μm period half megabit ion-implanted memory chip designs 4—37037
Boodaghians, S. *see* Kesler, S.B. 4—60106
Boody, F.P. *see* Prelas, M.A. 4—31286
Boog, E., Buschbom, K.-D. The operating technology of a network 4—44944
Booker, G.R. Applications of electron microscope techniques to semiconductors 4—51968
Booker, J.R. *see* Nichols, D.K. 4—56703
Booker, R.L., Geist, J. Induced junction (inversion layer) photodiode self-calibration 4—47339
Bookless, W.A., Hrubesh, L.W., Stevens, C.G., Rinehart, E.A. Tunable far-infrared radiation from optically pumped potassium Rydberg transitions 4—47410
Boom, G. *see* Smits, J.G. 4—48833
Boom, M.M.B.Rijbroek-van den *see* Rijbroek-van den Boom, M.M.B.
Boone, W., van Goudoever, H. Aspects of the behaviour of power cables in power stations [fire conditions] 4—49602
Boorn, J.H.van den *see* van den Boorn, J.H.
Boos, J.B., Binari, S.C., Kelner, G., Thompson, P.E., Weng, T.H., Papanicolaou, N.A., Henry, R.L. Planar fully ion-implanted InP power junction FETs 4—52119
Boos, J.B., Weng, T.H., Binari, S.C., Kelner, S.C., Henry, R.L. InP JFETs by shallow Zn diffusion 4—36061
Boot, M. Conversion of written text into phonemes 4—43277
Booth, A.W., Sharp, B. A new approach to the automatic subtitling of television: a proposal 4—60950
Booth, C.R. *see* Smith, R.C. 4—61937
Booth, G. How many people listened to your call? 4—32246
Booth, J.A. Vehicle interconnection systems for the future 4—50187
Booth, R.B., Moore, R.J. Dimensionally controlled semiconductor package [hermetic seating] 4—36404
Booth, R.C. *see* Healey, P. 4—37103
Booth, R.S. Nordic millimeter and submillimetre telescopes—present and future 4—32889
Booth, R.V.H., White, M.H. An experimental method for the determination of the saturation point of a MOSFET 4—30630
Booth, R.V.H., White, M.H. An experimental method for the determination of the saturation point of a MOSFET 4—36580
Booth, T.L. Computer science and engineering is not electrical engineering 4—35174
Boothman, A. E&MM digital music. The programmable digital sound generator. II. Applying the PDSG 4—48641
Boothman, A. E&MM digital music: the programmable digital sound generator. III. The detailed program interface 4—55097
Boothman, G.M., Taylor, J. Switching configurations and generator connections 4—45353
Boothroyd, C.B., Newcomb, S.B., Stobbs, W.M. TEM observations of metallic glass contacts on GaAs 4—51878
Boothroyd, S.A. Interaction of coherent radiation with nonlinear media 4—31494
Boots, J.C. *see* Raghava, R.S. 4—35517
Bootzin, M. Mechanics of videotex production 4—54229
Booz, J. Development of dose equivalent meters based on microdosimetric principles 4—49333
Booz, J. *see* Arbel, A. 4—33905
Bor, D. *see* Nalcioglu, O. 4—39545
Bor, Z. *see* Szabo, G. 4—47431
Bor, Z. *see* Szatmari, S. 4—37421
Bor-Uei Chen Waveguide materials and fabrication techniques for integrated optics 4—42406
Bor-Uei Chen *see* Stephens, W.E. 4—42627
Boradaev, V.A., Getalo, V.I., Rudavin, E.R., Smelyi, V.P. A new method for measuring the effective dielectric permittivity of strip lines 4—44589
Borblik, V.L. *see* Babich, V.M. 4—58720
Borchardt, A. *see* Bugiel, E. 4—51758
Borchardt, M., Schauble, M. Local duality—and stability—investigations for nonlinear optimisation problems with differentiable equation restrictions under laying down the basics of a class of modified Lagrange functions 4—35406
Borcherds, P.H. An introductory laboratory course on the use of microprocessors in electronics 4—50348
Borcherds, P.H. Op. amps in power amplification: a laboratory exercise on feedback 4—50367
Borciani, G. Behaviour of hydraulic machines under steady oscillations. I 4—62439
Borcic, D. *see* Tjapkin, D. 4—46850
Borcsok, D. Tendencies in the further development of low- and medium voltage networks in towns 4—45106
Bordalo, P. *see* Anderson, L. 4—55989
Bordelon, D.J. Comments on 'A simple accurate method for predicting sonar performance without the need for computer simulations' [J. Acoust. Soc. Am. 73, 2059-67 (1983)] 4—38697
Borden, B.H. An inverse electromagnetic algorithm for aspect-limited data 4—53199
Borden, P. *see* Geis, J.W. 4—34935
Bordogna, J. *see* Eisenstein, B.A. 4—35201
Bordoloi, K. *see* Gibbons, A. 4—61232
Bordoloi, K.C. *see* Roberts, M. 4—58215
Bordovsky, G.A., Kazakova, L.P., Lebedev, E.A., Lyubin, V.M., Savinova, N.A. Ge-Pb-S vitreous semiconductors with bipolar photoconductivity 4—30360

Bordry, F., Foch, H., Metz, M. Simulation of piecewise linear structured electric circuits. Petri-net representation of semiconductors functioning in commutation 4—29602
Bordry, F. *see* Metz, M. 4—30065
Borduas, H. *see* Ahmed, S. 4—56248
Bordulin, Yu.B., Lapin, A.N., Popov, G.V. Computer-assisted design of multiwinding transformers for a given short-circuit current 4—57119
Bordyugov, V.M. *see* Reznitskii, A.I. 4—39962
Boreman, G. *see* Dereniak, E.L. 4—33150
Borenstein, S.R., Strand, R.C. Progress in the development of scintillating optical fibers 4—39447
Borer, W.J., Wavre, J.-J., Schmid, M. Peelable or nonpeelable semiconductors [HV cables with synthetic insulation] 4—56622
Borg, K.van der *see* van der Borg, K.
Borge, R. Minimum bandwidth signals with various combinations of specified waveform parameters 4—43344
Borgeaud, P. *see* Brand, C. 4—33639
Borger, W., Kunze, D., Panesar, H.S. LiAl/FeS cells with molten salt electrolyte 4—45609
Borgese, D., Dinelli, G., Faure, J.J., Gretz, J., Schober, G. Eurelios, the 1 MW(el) helioelectric power plant of the European Community Program 4—62461
Borghagen, L., Bringhagen, L. LCC-procurement at the Swedish State Railways 4—45917
Borghesi, P., Cappellini, V., Del Bimbo, A. A special system for analysis and recognition of moving objects 4—32073
Borghesi, P., Cappellini, V., Del Bimbo, A., Mecocci, A. Two special digital processing systems for recognition of moving objects 4—53928
Borghini, M. *see* Beer, A. 4—61682
Borgini, F. *see* Smith, D.C. 4—29760
Borgman, H. Viewdata in the view of the PKbank 4—48160
Borgne, M. Digital high level modulation schemes in a radio links channel 4—31804
Borgo, P.A. *see* Scott, R.D. 4—34255
Borgonovo, F., Fratta, L. The effect of high-level acknowledgement traffic on the throughput of ALOHA channels 4—53960
Borgonovo, G. *see* Aldrovandi, G. 4—45552
Borgstrom, O., Jonsson, I., Leijonhufvud, G. AXE 10 for ISDN 4—43901
Borgwardt, H., Guthlein, H. Reliability considerations of the regenerative brake of the class 120 locomotives 4—34996
Borgwardt, K.-H. The average number of pivot steps required by the Simplex-method is polynomial 4—46165
Borgwardt, L.C., Leonardson, K.R., Schuchard, M.E. Cornell Hydro Station: five years' experience with tubular type turbine generating units 4—49803
Borimskii, V.V., Glinchuk, K.D., Litovchenko, N.M., Salnic, Z.A. New oxygen-induced recombination centres in 600 to 800°C heat-treated silicon 4—58719
Borisenko, A.A., Gubarev, S.I. Coded dot-structure images 4—43125
Borisenko, A.Yu., Kazimirov, A.Yu., Mochalkina, O.R. Output signal dynamic range as selection criterion for the design-topological parameters of a shift register in an MOS-diode photomatrix with self-scanning 4—31226
Borisenko, N.D. *see* Andreev, A.A. 4—30325
Borisenko, N.P. *see* Korzhik, V.I. 4—53412
Borisenkov, A.E. *see* Aminov, R.Z. 4—45223
Borisevich, A.N., Tolstorozhev, G.B., Khalimanovich, D.M. Mechanism of bleaching of POPOP vapor by intense laser radiation 4—42534
Borisov, B.A. *see* Konopleva, R.F. 4—30307
Borisov, B.N., Borodulina, O.S., Kruzhilin, Yu.I., Maslakov, S.Yu., Mel'nikov, A.V. Pulse-periodic neodymium laser with wavefront reversal in a stimulated-Brillouin-scattering mirror and with frequency doubling 4—42604
Borisov, D.A. *see* Anan'ev, L.L. 4—55654
Borisov, M. *see* Stojanov, D. 4—30921
Borisov, R.I., Lobov, A.I. Assessing the quality of development-planning decisions based on multicriterial optimisation methods [power systems] 4—56499
Borisov, V.M. *see* Baranov, V.Yu. 4—42557
Borisov, V.S. *see* Varlinskii, N.N. 4—46478
Borisov, V.V. Nonperiodic electromagnetic fields in a sectoral horn 4—31734
Borisov, V.V. Changing of pulse envelope with pulse packet in dispersive medium 4—37597
Borisov, V.V., Denisov, A.F., Manevich, V.Z., Mikhailov, V.N. Increasing the accuracy of single-pulse oscillographic recorders 4—55546
Borisova, R.I. *see* Sakhnenko, A.V. 4—29542
Borisova, V.P., Girshfel'd, V.Ya., Akimenova, V.M., Lyubin, E.S. The effect of the temperature heads in network water heaters on the thermal efficiency of T-100-130 turbine plant 4—40115
Borisovskii, S.P., Kozlov, A.V., Krylov, P.S., Makoveeva, L.Ya., Chulyaeva, E.G. System for investigating single-frequency stabilised lasers 4—31440
Borissov, M., Strashilov, V., Hinkov, V. Acoustic and optical waves in solid state electronics 4—30744
Borkovskaya, O.Yu., Dmitruk, N.L., Litovchenko, V.G., Maeva, O.I. The influence of deep levels on photomemory effect in structures with a potential barrier 4—59312
Borkovskaya, O.Yu., Dmitruk, N.L., Zyuganov, A.N. Schottky barrier photosensitivity spectra in strong absorption region 4—36327
Borkowicz, Z. *see* Maternia, Z. 4—48984
Borkowski, N., Fabig, G., Hummel, W. The software for the operation of the regional medium voltage network of the HEAG 4—34169
Borkowski, R.J., Kahl, W.K. The in-plant reliability data system (IPRDS)—a utility oriented data base 4—49682
Borley, D.R., Walker, S.D., Carpenter, R.B.P., Kitchen, J.A. Some design aspects of long-haul digital submarine optical fibre systems 4—38641
Born, H.R. A standardized supervisory control system for regional power networks 4—44951
Bornand, E. Influence of the annealing temperature of non-doped sintered tin dioxide sensors on their sensitivity and response time to carbon monoxide 4—48839
Bornebroek, D.J., Kuipers, J.A. The Netherlands windfarm project 4—34545
Borner, C.A., Zocholl, S.E. A new solid state loss of excitation relay for intertie applications 4—56691
Bornhorst, R.J. Rigid cartridge for flexible magnetic disk 4—40868
Bornkessel, W. *see* Schiffer, F. 4—57825
Borobkov, V.M. *see* Alaev, Yu.M. 4—56834
Borodaev, V.A. *see* Doyukhenko, V.P. 4—41561
Borodenko, E.I. *see* Krasnobaev, V.A. 4—43127, 4—43129
Borodin, V.E., Mokhov, N.V., Rogov, V.A., Roinishvili, E.Yu., Sukharev, M.M. Investigation of the characteristics of a polyethylene detector and an adiabatic calorimeter in the radiation fields of high-energy accelerators 4—61716
Borodkin, A.A. *see* Bessonova, S.V. 4—42388
Borodoloi, K.C. *see* Cox, H.L., Jr. 4—61779
Borodulin, V.I., Konyaev, V.P., Novikova, E.R., Tager, A.A., Tregub, D.P., Utkina, O.A., Elenkrig, B.B. Experimental observation of longitudinal-mode selection in nonuniformly pumped injection lasers 4—42662
Borodulin, V.I., Voskoboinikova, I.V., Zverkov, M.V., Shveikin, V.I. Bright visible-range injection laser [for laser video players] 4—37380
Borodulin, V.I., Zverkov, M.V., Konyaev, V.P., Lamanov, A.L., Pashko, S.A., Trapeznikov, M.B., Shveikin, V.I. Space-time characteristics of single-mode injection lasers 4—59545
Borodulina, O.S. *see* Borisov, B.N. 4—42604
Borodyanskii, A.A. Synthesis of a nonrecursive filter with a rhombic passband 4—53648
Borodyanskiy, A.A. The optimum sampling of moving images 4—32049
Boroff, J., Warnick, D., Rice, W.E. AO&M of government networks 4—32216
Boron, W., Polanski, R. Mining cables and cab-tyre cables 4—45120
Borong Bao *see* Bao Borong
Borovikov, A.A., Bryzgalov, V.V., Gritsaenko, I.A., Gubaeva, M.M., Gumenyuk, S.A., Zaitsev, L.F., Petrovykh, Yu.L., Khromova, G.N., Fenyuk, A.B. Using HPD automatic equipment for evaluating photographs of the BEBC chamber 4—39474
Borovikov, A.G. *see* Fuks, N.L. 4—57452
Borovkov, V.M. *see* Ivanov, V.A. 4—49667
Borovkova, I.I. *see* Larin, B.M. 4—49033
Borsa, B. PCM force measurement techniques with hand-controlled tools 4—39324
Borsari, G.R., Jr., Davis, R.O. Cable television 4—48600
Borsero, M., Nano, E. Test site for radio-interference measurements: errors in performing the site calibration 4—37599
Borshchevich, V.I., Klistorin, I.F., Filimenov, S.N. Simulation of pseudorandom testing and its information aspects 4—29753
Borshev, P.I. *see* Lezhoev, R.S. 4—44489
Borshukov, D.G. *see* Vulkov, S.A. 4—41377
Borst, H. *see* Bontius, G.H. 4—62278
Bortels, G., Denecke, B., Vaninbroukx, R. Alpha-particle and photon emission probabilities in the ^{238}Pu-^{234}U decay 4—56016
Bortruk, V.A. *see* Bondarenko, V.G. 4—44453
Borukayev, T.B. Diagonalization of the functional Wiener expansion in problems of statistical analysis and identification of nonlinear systems 4—50924
Borwein, J.M. Generalized linear complementarity problems treated without fixed-point theory 4—46139
Borwein, J.M. Subgradients of convex operators 4—46152
Borys, A. Modelling high-frequency nonlinear distortion in operational amplifiers 4—29670
Borys, A. Slew-induced distortion of single-amplifier active filters using the gain-sensitivity product concept 4—41471
Borzenko, A.E., Gavrilenko, V.I., Koryachko, V.P. Microprocessor device for automatic correction of coordinates being calculated on basis of data from positional navigation systems 4—39041
Borzenko, S.Yu. *see* Muckhachev, Yu.S. 4—61706
Borzycki, K. Economical aspects of optical communication 4—44125
Bos, J.F. *see* Braam, J.W.T.M. 4—62874
Bos, L.W., Edwards, A. A miniature resistor network designed for surface mounting 4—58556
Bos, P.J. *see* Vatne, R.S. 4—55604
Boscaleri, A. *see* Tortoli, P. 4—55761
Bosch, B.G. *see* Rein, H.-M. 4—54512
Bosch, E. *see* Fiol, M. 4—49279
Bosch, M.A., Chin, G.M., Herbst, D., Grogan, J.K., Lemons, R.A., Tennant, D.M., Tewksbury, S.K. NMOS silicon gate transistors in large-area laser-crystallised silicon layers 4—52113
Bosch, M.A., Herbst, D., Tewksberry, S.K. The influence of light on the properties of NMOS transistors in laser μ-zone crystallized silicon layers 4—47130
Bosch, M.A. *see* Schiavone, L.M. 4—52539
Bosch, P.P.J.van den *see* van den Bosch, P.P.J.
Boschen, R. PLANET—open local network 4—48221
Boschetti, A. *see* Bassi, D. 4—33121
Boschi, M.C., Frosini, R., Valli, G., Evangelisti, A. Use of electronic techniques for archiving and analysis of visual evoked potential data 4—33832
Bosco, J.J. Interactive video: educational tool or toy? 4—45859
Boscolo, I. *see* Amir, A. 4—37269
Bose, A. Properties and applications of flexible printed circuits 4—58608
Bose, A. Modeling of external networks for online security analysis 4—62074
Bose, A., Chatterjee, A.K. Measurement of absolute efficiency of solid state track detectors for 14 MeV neutrons 4—33742
Bose, B., Cunningham, R.S. Systematic and multiple-error-correcting asymmetric codes 4—47770
Bose, B., Lin, D.J. PLA implementation of k-out-of-n code TSC checker 4—58262
Bose, B.K. Scalar decoupled control of induction motor 4—34662
Bose, B.K. Scalar decoupled control of induction motor 4—57047
Bose, B.K., Somuah, C.B., Sutherland, H.A. A microcomputer-based propulsion control system of a hybrid electric vehicle 4—40545
Bose, D.N., Ramprakash, Y., Basu, S. Effect of surface modification on subbandgap response of n-InP photoelectrodes 4—46896
Bose, D.N., Roy, J.N., Basu, S. Improved Schottky barrier on n-InP by surface modification 4—58796
Bose, G. *see* Vaya, P.R. 4—58874
Bose, S.C., Mortensen, R.E. Comments on 'State-space models of gravity disturbance gradients' [inertial navigation] 4—43324
Bose, S.K., Bandyopadhyay, S. Implementation of a microprocessor-based access controllers for a multi-drop multi-access network 4—54376
Bose, T.K. *see* Akyel, C. 4—39288
Bosgra, L. *see* Ijff, G. 4—48687
Boshier, M.G. *see* Foot, C.J. 4—47510
Boshier, M.G. *see* Tai, K. 4—42708
Bosiers, J. *see* Declerck, G. 4—39079
Bosik, B.S. Time-compression multiplexing: squeezing digits through loops 4—38380
Bosik, B.S. Time-compression multiplexing: squeezing digits through loops 4—47930
Bosisio, L. *see* Amendolia, S.R. 4—49068
Bosisio, R.G. *see* Akyel, C. 4—39288
Bosisio, R.G. *see* Jullien, H. 4—35504
Bosman, G. *see* van der Ziel, A. 4—58523, 4—58683
Bosonogov, V.G. *see* Koba, A.P. 4—46338
Boss, B.B., Charney, J.L. Design of the reelectrification of the Erie Lackawanna commuter railroad 4—57484
Bossanyi, E. Use of a grid simulation model for longer-term analysis of wind energy integration 4—45374
Bossavit, A. Eddy-currents in a system of moving conductors 4—42769
Bossavit, A., Verite, J.C. The 'TRIFOU' code: solving the 3-D eddy-currents problem by using H as state variable 4—31598
Bosscha, G.J. On the hardware for speech coding systems: special purpose and general purpose chips 4—43279
Bosscha, G.J. *see* Verkroost, G. 4—30023
Bossche, A. The top-event's failure frequency for noncoherent multistate fault trees 4—57883
Bossche, L.Van den *see* Van den Bossche, L.
Bossche, W.V. Choosing a plasma etcher [for wafer processing] 4—52011
Bosse, G. Balance parameters for symmetrical transmission systems 4—29607
Bosse, R. *see* Killesreiter, H. 4—55777

Bossert, T. Impairments to VHF/FM reception in motor vehicles caused by multipath propagation and possibilities for improving receivers 4—53216
Bossert, T. Impairments to VHF/FM reception in motor vehicles caused by multipath propagation and possibilities for improving receivers 4—60690
Bossow, H.-E. The economic digital business telephone system SATURN 200 4—43889
Bossuyt, A. *see* Block, P. 4—49241
Bostian, C.W. *see* Pratt, T. 4—31658, 4—31660
Bostian, C.W. *see* Stutzman, W.L. 4—31662
Bostian, C.W. *see* Towner, G.C., III 4—32721
Bostian, C.W. *see* Yon, K.M. 4—53208
Bostica, B. *see* Belforte, P. 4—43869
Bostica, P., Perrone, A., Scarati, C., Tognolatti, P. Studies on the videoconference service by Italian domestic satellite ITALSAT 4—61093
Bostock, I. *see* Malm, H.L. 4—61673
Bostock, I. *see* Simpson, J.J. 4—55815
Bostwick, B.D., Labes, M.M. Pearlescent suspension display concepts 4—61454
Botan, N.V. *see* Ijac, G. 4—40224
Botan, N.V. *see* Ijae, G. 4—40527
Boten Yi *see* Yi Boten
Botex, D. *see* Ackley, D.E. 4—31394
Botez, D. The effect of carrier-induced index depressions on fundamental-transverse-mode characteristics in DH laser structures 4—37376
Botez, D., Connolly, J.C. Nonabsorbing-mirror (NAM) CDH-LOC diode lasers 4—47453
Botez, D. *see* Butler, J.K. 4—53001, 4—59534
Botham, G.J.M., McNeil, J.H. 25 kV electrical multiple unit for the Kowloon-Canton Railway (British section) 4—50161
Botros, A.Z., Olver, A.D., Cuthbert, L.G., Farmer, G. Microwave detection of hidden objects in walls 4—38671
Botsman, S.G. *see* Rozhentsev, V.S. 4—39314
Bottcher, D. Erroneous developments from backfitting to changed safety and quality criteria (Grohnde nuclear power station) 4—34271
Bottcher, U. The introduction of the Bildschirmtext service of the Deutsche Bundespost 4—48094
Botte, V.A. *see* Aleinikov, A.B. 4—46804
Botten, B., Hardy, J. Satellite communications in a commercial world 4—44061
Bottigli, U. *see* Amendolia, S.R. 4—49068
Bottin, J. *see* Es-Slassi, A.R. 4—62702
Bottka, N. *see* Walsh, P.J. 4—29531
Bottle, D. Switching of 140 $Mbits^{-1}$ signals in broadband communication systems 4—54580
Bottner, H. *see* Eisenbeiss, A. 4—51776
Bottner, H. *see* Preier, H.M. 4—59501
Botto, D. Servicing the Sony KV1810UB 4—38817
Bottomley, P.A. *see* Hart, H.R. 4—49158
Bottone, A.G. US Army Yuma proving ground telemetry support capabilities with applications to GPS testing 4—48762
Bottoni, G. *see* Corradi, A.R. 4—30991
Botts, T.E. *see* Myrabo, L.N. 4—40040
Botts, T.E. *see* Powell, J.R. 4—34369
Botzko, S. *see* Locke, W.B. 4—49227
Bouachache, B., Rodriguez, F. Recognition of time-varying signals in the time-frequency domain by means of the Wigner distribution 4—53759
Bouazzi, A., Loferski, J.J., Kwietniak, M., Arya, R.R., Sosnowski, M. Diffusion length determination in thin film CdS/$CuInSe_2$ solar cells by the EBIC method 4—40440
Boucek, J. *see* Vrba, J. 4—44739
Bouchard, M., Raine, H.R. Direct broadcasting satellites and the RARC-83 4—32760
Bouchard, M. *see* Raab, A.R. 4—31771
Boucher, J. *see* Dziadowiec, A. 4—33351
Boucher, P., Goldberg, M. Color image compression by adaptive vector quantization 4—60232
Boucher, R.E., Hassab, J.C. A quantitative comparison of generalized correlator window functions in presence of strong spectral peak for spatially separated sources 4—60121
Bouchez, J.P. *see* Alexandre, A. 4—44832
Bouchez, J.P. *see* Chalmers, D.R. 4—44883
Bouchez, J.-P. *see* Bussolino, L. 4—44816
Bouchnon, B. *see* Aggarwal, N.L. 4—43068
Bouchon, B. *see* Akdag, H. 4—47774
Boucique, R., Janssens, H., Wieme, W., Sijnave, J. Build-up and decay frequencies of VUV-excimer radiation in krypton, excited by α-particles 4—52924
Boucouvalas, A.C. *see* Papageorgiou, C.D. 4—52574
Boudon, G., Denis, B. DTTL push-pull driver 4—51144
Boudreaux-Bartels, G.F., Parks, T.W. Signal estimation using modified Wigner distributions 4—53758
Bouesnard, D. *see* Angosto, P. 4—48291
Bouidene, Y., Leclert, A., Le Guen, D., Monerie, M., Perichon, A., Simon, J.C., Favre, F. DPSK heterodyne-type fiber communication experiment 4—32829
Bouillault, F., Razek, A. Dynamic model for eddy current calculation in saturated electric machines 4—34577
Boukabache, A. *see* Blasquez, G. 4—30659
Boulanger, J. *see* Costain, C.C. 4—39333
Boulay, R., Gagnon, R., Rochette, D., Izatt, J.R. Paper sheet moisture measurements in the far infrared 4—39364
Boules, N. Two-dimensional field analysis of cylindrical machines with permanent magnet excitation 4—56984
Bouliane, P.R. *see* LeBel, J. 4—37583
Boulier, M., Rombaut, C., Seguier, G. Six thyristor AC chopper feeding a 3-phase asynchronous motor: motor model allowing the calculus of the control characteristics 4—49892
Boulier, M. *see* Rombaut, C. 4—34989
Boulton, J. CANDU—a proven system ready to meet tomorrow's challenge 4—40038
Boulton, P.I.P., Lee, E.S. The performance of Hubnet 4—32419
Bouma, J. From relays to micros 4—46666
Boumans, J.M. Interactive videotex: a gate to electronic publishing 4—48150
Boumaour, M., Van de Wiele, F. Two-dimensional analysis of the back region of IBC silicon solar cells 4—40463
Boumediene, A. *see* Anderson, L. 4—55989
Bouquet, B. *see* Brand, C. 4—33639
Bourbakis, N. *see* Dimitriadis, B. 4—53792
Bourbin, Y., Papuchon, M., Vatoux, S., Arnoux, J.M., Werner, M. Polarisation-independent modulators with Ti:$LiNbO_3$ strip waveguides 4—42415
Bourbin, Y. *see* Auge, J. 4—47280
Bourdet, M. *see* Megie, G. 4—61932
Bourez, J. *see* Brunetaud, J.M. 4—49295
Bourgeois, F. Proposal for a fast, zero suppressing circuit for the digitization of analog pulses over long memory times 4—33748
Bourgeois, F. *see* Beer, A. 4—61682
Bourgeois, S.L. *see* Bonafino, E.J. 4—46705
Bourgoin, J.C. *see* Stievenard, D. 4—30326
Bourgonje, W. Twisted-pair bus carries speech, data, text, and images 4—60328
Bourguignon, A. DSA and heterogeneous networks 4—38309
Bourjot, P., Dorison, E., Lartigue, J. Longitudinal thermomechanical behaviour [power cables] 4—56628
Bourjot, P. *see* Bayard, C. 4—56629
Bourke, B., Penrod, B. An analysis of a microprocessor controlled disciplined frequency standard 4—33492
Bourland, J.D. *see* Niebauer, M.J. 4—44767
Bourlard, H., Wellekens, C.J., Ney, H. Connected digit recognition using vector quantization 4—53551
Bourne, J.R. Rule-based methods for electroencephalogram evaluation 4—56139
Bourne, O.L., Alcock, A.J. Subnanosecond-pulse generation at 308 and 450 nm by truncated stimulated Brillouin scattering 4—59606
Bourne, P. Military optical cables 4—60827
Bourquin, R., Nassour, D. Tridimensional study of a plano-convex AT-cut quartz resonator 4—47153
Bourrelly, L., Chouraqui, E., Giambiasi, N. Architecture of conversational symbolic simulator for the digital circuit design 4—30735
Bourret, E.D., Derby, J.J., Brown, R.A., Witt, A.F. Segregation effects during growth of pseudo-binary systems with large liquidus-solidus separation 4—50735
Bourton, M. *see* Ouriachi, Kh. 4—53949
Bouse, V. *see* Kuzel, R. 4—41735
Bousquet, B. *see* McCormick, J. 4—61426
Bousquet, C. *see* Kadri, A. 4—30335
Bousquet, C. *see* Mercy, J.M. 4—51843
Bousquet, J.-C., Rancy, F. The TELECOM 1 satellite subnetwork 4—54660
Bousseau, G. *see* Baylou, P. 4—60207
Boustred, G.R., Cranston, C.S. Cinemascope facility for the B3410 telecine 4—38850
Bouteille, J.F., Perard, J., Perret, R. A 1.5 kW sinusoidal generator 4—29716
Boutemy, J.C., Cousin, B., Frecon, L., Sein, E. Intersatellite optical links in the context of the STAR emission 4—54844
Bouten, P.C.P., Wagemans, H.H.M. Double mandrel: a modified technique for studying static fatigue on optical fibres 4—31107
Boutet, A.le *see* le Boutet, A.
Boutin, N. Constant envelope signal generator with improved phase linearity 4—46365
Boutin, N., Cabagnols, I., Morissette, S. Offset-quadrature modulation with one-symbol overlapped signaling 4—31991
Boutin, N., Morisette, S. Discrete finite duration partial response signaling pulse with minimum out of band power 4—30035
Boutot, J.P. *see* Paulin, J. 4—39451
Boutsikaris, L., Narayan, P. An achievable rate region for a broadcast channel and its implications on signal design 4—48556
Bouvet, C. *see* Baylou, P. 4—60207
Bouvet, M. *see* Picinbono, B. 4—60051
Bouvet, M.A. *see* Tacconi, E.J. 4—53706
Bouwen, A. *see* De Maziere, M. 4—31464
Bouwmeester, R. *see* Schlueter, R.A. 4—45383
Bouzinac, J.P., Aubry, Y., Isbert, J., Plantee, M. Contribution to the optical and electrical characterisation of high-power laser diodes 4—53018
Bouzon, B. Digital control in nuclear power plants 4—40018
Boven, G.Van *see* Van Boven, G.
Bovet, D.P. *see* Gambosi, G. 4—48283
Bovina, L.A., Ivanov-Omskii, V.I., Mironov, K.E., Ogorodnikov, V.K., Sednev, M.V., Stafeev, V.I. Photodiodes made of epitaxial $Cd_xHg_{1-x}Te$ films 4—52801
Bow, K.E., Naranjo, A.J. Properties of the bonded-jacket, moisture-barrier sheath 4—46650
Bowcock, T. *see* Astbury, A. 4—33756
Bowden, C.M. *see* Hopf, F.A. 4—37454
Bowden, G., Johnston, A. A wire feedthrough for drift chambers 4—55830
Bowden, G. *see* Bertl, W. 4—33757
Bowden, P.A. *see* Paler, K. 4—51668
Bowden, W. Danger—men at work [hazardous area equipment] 4—57789
Bowden, W.L., Chow, L., Demuth, D.L., Holmes, R.W. Chemical reactions in lithium sulfur dioxide cells discharged at high rates and temperatures 4—34835
Bowe, T.R. *see* Dapkus, W.D. 4—56503
Bowen, J.A. Automated configuration of backplane-based microcomputers 4—58383
Bowen, P. Switching in multipoint analog signal acquisition 4—39090
Bower, D.H. *see* Cohen, S.S. 4—52035
Bower, L. *see* Bande, A. 4—53992
Bowering, R. *see* Frank, F. 4—49301
Bowers, D. *see* Jenkins, A. 4—41212
Bowers, D. *see* Tottie, J. 4—49924
Bowers, D.L.K., Jones, R.T. The correct way for dealing with polychlorinated biphenyls 4—35258
Bowers, D.M. Modem expansion boards simplify system integration 4—54492
Bowers, J.E., Bjorkholm, J.E., Burrus, C.A., Coldren, L.A., Hemenway, B.R., Wilt, D.P. Cleaved-coupled-cavity lasers with large cavity length ratios for enhanced stability 4—37395
Bowers, J.E., Bjorkholm, J.E., Burrus, C.A., Coldren, L.A., Hemenway, B.R., Wilt, D.P. Cleaved-coupled-cavity lasers with large cavity length ratios 4—52995
Bowers, J.E., Wilt, D.P. Optimum design of 1.55-μm double heterostructures and ridge-waveguide lasers 4—52989
Bowers, J.E. *see* Arbel, A. 4—37217
Bowers, J.E. *see* Coldren, L.A. 4—52996
Bowes, S.R. Steady-state performance of current-fed pulse-width-modulated inverter drives [CAD package] 4—50128
Bowes, S.R., Bullough, R. PWM switching strategies for current-fed inverter drives 4—62730
Bowes, S.R., Bullough, R.I. Fast modelling techniques for microprocessor-based optimal pulse-width-modulated control of current-fed inverter drives 4—50129
Bowes, S.R. *see* Walsh, S. 4—62619
Bowidowicz, M.A. *see* O'Connell, R.H. 4—49692
Bowie, J.L. *see* Durrani, T.S. 4—56281
Bowker, K.J., Owen, R.C. Review of recent developments in ultrasonic NDT systems in the CEGB 4—46263
Bowling, C.D., Jones, R.A. A coefficient energy concentration model for motion compensated image coding 4—60265
Bowling, D. *see* Mains, R.K. 4—36043
Bowling, T. Pay TV: a pay-per-minute system prototype 4—60978
Bowman, B. *see* Cook, P. 4—32220
Bowman, B.R. Acute and chronic implantation of coiled wire intraneural electrodes 4—56159
Bowman, B.R. *(editor)* Promise of Technology. Proceedings of the Sixth Annual Conference on Rehabilitation Engineering 4—56150
Bowman, C.C. *see* Cotter, S.M. 4—57851
Bowman, J. *see* Bolton, R. 4—55816
Bowman, K.O., Lam, H.K., Shenton, L.R. Bounds for the expectation of the kth root of a random variable 4—29394
Bowman, K.O., Lam, H.K., Shenton, L.R. Bounds for certain integrals 4—29429
Bowman, K.O., Lam, H.K., Shenton, L.R. Bounds for integrals using segments 4—50717
Bown, G.C. Design methodology for custom LSI VLSI circuits 4—47080
Bown, H.G., O'Brien, C.D. The information technology industry: the importance of standards 4—54194
Bowron, P., Butland, J. A frequency-domain evaluation of multiple-nonlinearity systems exhibiting jump-resonance responses 4—29613
Bowron, P., O'Carroll, A.P. High-frequency phenomena in operational-amplifier filters 4—35959
Box, S.J.C. *see* Chiu, P.H. 4—52930
Boxall, B.A. *see* Saunders, M.P. 4—47141
Boxall, B.A. *see* Sibley, M.J.N. 4—54764
Boxma, O.J. Analysis of successive cycles in a cyclic queue 4—47936
Boxma, Y. *see* Van Der Lubbe, J.C.A. 4—59899
Boxwell, D.A. *see* Schmitz, F.H. 4—61869
Boyadzhiev, Ya.S., Angelov, A.D., Fingarova, A.T., Ruseva, P.S., Shishkova, T.P., Sirakov, E.G. Vida microcomputer information-control system for internal work inspection 4—45988

Boyakhchyan, G.P., Lesota, S.K., Naslovskii, F.N., Rachnikov, A.V., Sambur, I.G. Calculation of losses in the rectifying diode of rectenna 4—46611
Boyang Li *see* Li Boyang
Boyar-Sozonovich, S.P., Voloshin, V.V. Designing a varicap coupling in the excitation circuit of a self-excited asynchronous generator 4—45441
Boyarsky, A. *see* Scarowsky, M. 4—29325
Boyce, D., Driscoll, J., Owyang, K. A new opto-sensitive power monolithic device for power control 4—35637
Boyce, P. New CIBS code can help with design lighting 4—50204
Boyce, R. *see* Tatchyn, R. 4—55994
Boychuk, L.M., Kozubovskiy, S.F., Koppa, Yu.V. Numerical solution of nonlinear equations for shifting from correlation functions to the original realizations of a random process 4—59904
Boyd, G.D. *see* Senft, D.C. 4—31188
Boyd, G.D. *see* Thurston, R.N. 4—39237, 4—47304, 4—47305
Boyd, I., Linggard, R. Minimizing quantization effects in a practical second-order digital filter bank 4—30019
Boyd, I.W., Moss, S.C., Boggess, T.F., Smirl, A.L. Various phase transitions and changes in surface morphology of crystalline silicon induced by 4-260-ps pulses of 1-μm radiation 4—46795
Boyd, I.W. *see* Boggess, T.F. 4—53074
Boyd, J.T. *see* Hopkins, F.K. 4—59342
Boyd, R.T., Dickerson, K.R., Sager, J.C. A distributed operating system for reliable telecommunications control 4—54536
Boyd, R.W. Diversity transmission of M-ary orthogonal signals in a hostile environment 4—31837
Boyd, R.W. *see* Brukilacchio, T.J. 4—47346
Boyd, R.W. *see* Hillman, L.W. 4—37338
Boyd, T.L. *see* Pickett, H.M. 4—37727
Boyer, D.G., Weste, N. Virtual grid compaction using the most recent layers algorithm 4—36892
Boyer, J.W. *see* Sashin, D. 4—44741
Boyer, K. *see* Newnam, B.E. 4—47370
Boyer, P.K., Moore, C.A., Solanki, R., Ritchie, W.K., Collins, G.J. Microelectronic thin film deposition by UV laser photolysis 4—50826
Boyer, V.S., Hughes, G. Limerick probabilistic risk analysis highlights 4—49681
Boyer, W.B. A flexible automated waveform recorder data acquisition program 4—44459
Boyes, E.D. High resolution low voltage scanning electron microscopy (LVSEM) 4—41796
Boyes, J.L. Crisis stability and C^3I [USSR-USA direct communication link] 4—38138
Boyhan, J.W. Normalized power spectra for FDM/FM signals and noise power ratio calculation 4—31809
Boyle, D.H., Kouba, D.J. AND gate driver 4—35754
Boyle, D.H., Kouba, D.J. Buffered AND gate 4—35755
Boyle, J. Castable elastomers for low-to-medium volume rubber parts 4—41110
Boyle, J.R., Edwards, L. Reclosing on the TVA 500 kV transmission system to minimize large turbine-generator shaft torques 4—49581
Boyle, M.J. *see* Plunkett, A.B. 4—57419
Boyle, R.F. *see* Hunter, M.D. 4—49548
Boyle, W.B., Hecker, E.P., Kearney, M.A. Robotic component insertion 4—29228
Boza, L.B., Huston, W.B., King, A.W., Vargas, M. New study monitors the health of valuable electronic switches 4—38413
Bozang Li *see* Li Bozang
Bozas, F. *see* Zaharescu, A. 4—33125
Bozek, R., Vickers, A., Dick, R., Evanowsky, J. An ECM monitor for digital communications 4—32647
Bozeman, T., Reisdorff, R.A. Double circuit wood H-frame pass ice storm test 4—56655
Bozhevol'nyi, S.I., Zolotov, E.M., Kazanskii, P.G., Prokhorov, A.M., Chernykh, V.A. Photogalvanic mechanism for rotation of the plane of polarization in Ti:$LiNbO_3$ optical waveguides 4—37143
Bozhkov, V.G., Malakhovskiy, O.Yu., Leuskiy, V.Ye., Strukov, I.A. Investigation of the high-frequency noise and volt-ampere characteristics of Schottky-barrier diodes at large forward currents 4—30598
Bozic, S.M., Brass, T. Analogue sample band-pass filter design with the SCADL 4—46558
Bozo, I. Slowed clock generator minimizes noise caused by microprocessor 4—41424
Bozoki, B., Sharples, H.D. Under and overexcitation protection of large generators 4—34600
Bozoyan, Sh.E., Gasparyan, Yu.M. Use of polish notation for describing circuits of functional and memory elements 4—46281
Bozyigit, M. *see* Paker, Y. 4—54435
Bozzetti, M. PABX and local networks 4—54559
Braak, P.A.B.M.C.van den *see* van den Braak, P.A.B.M.C.
Braam, J.W.T.M., Bos, J.F. Energy saving control in a chemical plant 4—62874
Braat, J., Immink, K.S., Urner-Wille, M. High density magneto-optical recording 4—47307
Braat, J. *see* Jacobs, B. 4—52722
Braatz, P.O. *see* Efron, U. 4—42423, 4—51879
Braatz, U., Dibbert, H.-J. The supply of nuclear fuel—a status report 4—40019
Braatz, U. *see* Heger, H. 4—62314
Brabant, J.C. *see* Bafleur, M. 4—35489
Brabson, G.K. An evaluation of lighting systems for the electronic office 4—55595
Brabson, G.K. Shedding light on VDTs [video display terminal lighting] 4—61253
Bracewell, R.N. Fourier inversion of deficient data 4—43435
Brachat, P. *see* Behe, R. 4—31802, 4—42998
Bracho, S., Perez Cagigal, N. Random sequences applied to fault detection in asynchronous circuits modeled by iterative cells and multiple fault coverage techniques 4—51158
Brackenbush, L.W., Hadlock, D.E., Parkhurst, M.A., Faust, L.G. A method to improve the evaluation of a combination track etch dosimeter/spectrometer 4—55921
Bracker, W.E. Sampling the host of new third-party async packages 4—43742
Bracker, W.E., Jr., Konsynski, B.R., III, Sokolov, D.L. Ranking data communications in today's classroom 4—35159
Brackett, R.L. *see* Berger, H. 4—61972
Brackett, W.E., Fink, W.L., Pierpoint, W. Interior point-by-point calculations in obstructed spaces 4—57531
Brackett, W.E., Franks, C.P. Coefficients of utilization for illuminance and exitance in long, narrow spaces 4—57530
Brackmann, W. *see* Blum, K. 4—49831
Bradaschia, C. *see* Amendolia, S.R. 4—49068
Bradbury, J. Learn Alaska by teletext 4—38265
Bradbury, J. *see* Adam, J.F. 4—62215
Bradbury, P. Digital autopilot monitoring and its applications to the Boeing 767/757 aircraft 4—44865
Bradenburg, W. A point mechanical model for the dynamics of towed arrays [sonar] 4—60926
Bradley, A.C. VLSI education at the Oregon Graduate Center 4—35205
Bradley, D.J. *see* Estridge, P.D. 4—35859
Bradley, D.J. *see* McInerney, J. 4—47458
Bradley, D.J. *see* Rodway, D.C. 4—52798
Bradley, J.G. *see* Iwanczyk, J.S. 4—51727
Bradley, J.J. *see* Northwood, E.J. 4—61909
Bradley, J.N., Kirlin, R.L. Delay estimation by expected value 4—31959
Bradley, L.P., Powell, H.T. Characteristics of large bore flashlamps 4—57521
Bradley, M.E. Progress in US Navy diving biomedical research 4—61827
Bradley, M.E. *see* Catron, P.W. 4—61829
Bradley, P.D. *see* Tucker, R.S. 4—39034
Bradshaw, A.T. ST 3000—the smart pressure transmitter 4—55449
Bradshaw, D. Broadcast standards 4—32898
Bradshaw, J. *see* Brownell, G.L. 4—44716
Bradshaw, J. *see* Burnham, C.A. 4—33815
Bradshaw, R.L. *see* Bhushan, B. 4—47179
Bradwell, A., Tansley, J., Billinge, R.H. Developments in the design and assessment of quality of glass-fibre live-line tools on British Railways 4—62262
Brady, F.J. A mathematical model for the doubly-fed wound-rotor generator 4—45444
Brady, H.N. An approach to topological pin assignment 4—51612
Brady, M.J., Comerford, L.D., Ewen, J.F. Self-aligned optical fiber/laser structure [GaAlAs device] 4—52978
Brady, M.J, Moskowitz, P.A. Multiple I/O cryogenic light guide array [for VLSI addressing] 4—52196
Brady, M.L., Brown, D.J. Arbitrary planar routing with four layers 4—47110
Brady, T.E., Lindenauer, J.P., Wurms, C Automatic parameter measurement/inspection tool 4—35326
Brady, V.T. *see* Bohlander, R.A. 4—37593, 4—44917
Brady, V.T. *see* McMillan, R.W. 4—44918
Brady, V.T. *see* Rosenberg, G.W. 4—36197
Brady, W.F. *see* Coleman, R.J. 4—56201
Braess, D. The convergence rate of a multigrid method with Gauss-Seidel relaxation for the Poisson equation 4—46197
Braet, J. *see* Stesmans, A. 4—30437
Braga, S.L., Orlando, A.F., Saboya, F.E.M. Vertical axis windmill: performance evaluation and estimation of energy output with Darrieus turbines 4—34538
Bragg, N. Pragmatic semi-custom IC design 4—58968
Bragg, S.L. *see* Wiswall, C.E. 4—52870
Braggins, D. Dispelling the myths of machine vision 4—35322
Bragina, O.B. *see* Aponin, G.I. 4—31524
Braginskii, V.R., Efimochkin, G.I. Results of comparative studies of the liquid-piston unit and water-jet ejectors used on a 300 MW turbine 4—40102
Braglia, G.L., Romano, L., Roznerski, W. The ratio of lateral diffusion coefficient to mobility for electrons in CO_2 laser mixtures 4—59391
Braham, D. Looking to the future use of heat pumps 4—40615
Brahim, A.B. *see* Vieujot-Testemale, E. 4—30556
Brahim, A.Ben *see* Ben Brahim, A.
Brahme, D., Abraham, J.A. Functional testing of microprocessors 4—58373
Braidt, J.W. *see* Babcock, A.S., III 4—35753
Braiko, V.V., Taranov, S.G., Tereshchenko, N.F. Metrological complex for reproducing variable magnetic fields 4—55647
Brailsford, A.D., Holloway, H. Peripheral photoresponse of a large *p-n* junction in a thick semiconductor 4—59344
Braim, S.P. A background criterion for use in thermal imager range modelling 4—55250
Brain, D.J. Development of a range of community TVRO antennas 4—37757
Brain, D.J. CERS high gain antenna system 4—38576
Brain, M.C. *see* Chidgey, P.J. 4—60842
Brainard, R.C., Netravali, A.N. Picture grabber for display of NTS color pictures 4—38816
Braine, M.R. *see* Nouri, M. 4—38516
Brainin, E.I., Zbarskii, L.A., Ostan'kovich, E.V., Pyasetskaya, L.I., Spotkai, G.V. Investigation of damage to roller bearings of electric machines under the action of electric current 4—34586
Braithwaite, H.B. A high-resolution multiple-frequency sub-bottom profiler 4—39728
Brajder, A. Short circuit is no problem—protection of power transistors against short circuits 4—42036
Brajovic, V. Comments on 'Bit synchronisation method based on sensitivity function' 4—43020
Brakanskii, U.K. *see* Novik, Ya.A. 4—56973
Brake, R.J. *see* Erkkila, B.H. 4—33900
Brake, R.J. *see* Waechter, D.A. 4—33902
Brakelmann, H. Physical principles and calculation methods of moisture and heat transfer in cable trenches 4—39880
Brakhman, E.V., Mitin, A.I. Direct coupled subnanosecond amplifiers 4—46356
Brama, D. Ready-to-connect heat generating plant for oil and gas with built-in-air-to-water heat pump 4—62390
Brambilla, P. *see* Canali, C. 4—29799
Bramble, J.H., Pasciak, J.E. An efficient numerical procedure for the computation of steady state harmonic currents in flat plates 4—31591
Bramson, E. *see* Gizinski, Z. 4—45718
Brancaleoni, M. *see* Lamberti, C. 4—49250
Branch, P., Da Silva Curiel, A. INMARSAT and mobile satellite communications. I 4—38555
Branch, P., da Silva Curiel, A. INMARSAT and mobile communications. II 4—38557
Brand, C., Cairanti, S., Foeth, H., Heck, B., Hilke, H.J., Kuhn, G., Billoir, P., Brunet, J.M., Diaczek, A., Delpierre, P., Rousseau, J.Y., Turlot, J.P., Almehed, S., Jarlskog, G., Kack, S., Augustin, J.E., Bouquet, B., Hrisoho, A., Noppe, J.M., Richard, F., Truong, K., Bolognese, T., Borgeaud, P., Mur, M., Patoux, A., Pichard, B., Raoul, C., Sacquin, Y., Siegrist, P., Smadja, G., Vilanova, D. DELPHI TPC project 4—33639
Brand, G.F. Tunable gyrotrons 4—41765
Brand, G.F. The gyrotron energy transfer equation 4—58687
Brand, G.F. A gyrotron frequency detuning equation 4—58694
Brand, G.F., Douglas, N.G., Gross, M., Ma, J.Y.L., Chen, Z. Frequency detuning measurements in a low power gyrotron 4—36205
Brand, G.F., Douglas, N.G., Gross, M., Ma, J.Y.L., Chen Zhiyi Frequency detuning measurements in a low-power gyrotron 4—58693
Brand, H. *see* Platte, W. 4—46607
Brand, R., Toy, D. NATO integrated communications system network control 4—32214
Brand, S., Abram, R.A. Calculations of the commonly neglected terms in the matrix element for Auger and impact ionisation processes in semiconductors 4—51736
Brand, U. *see* Endlich, G. 4—56574
Brandau, B.L., Farland, R.J., Bird, J.D., Conte, J.A. Development of a marine in-situ trace of organic chemical sampler 4—56335
Brandel, D.L., Klein, L. A derivation of the boundary of the glistening region for rough surface scatter 4—53196
Branders, M. *see* Piessens, R. 4—35422
Brandes, C. *see* Lagadec, R. 4—44380
Brando, J.K. Synchronizing characteristics of a large variable frequency starting system 4—62516
Brandolini, A., Carminati, E., Rovelli, S. A kinematic transducer for laboratory testing of power circuit breakers up to 100 kA and 1000 kV 4—49991
Brandolini, A. *see* Armanini, D. 4—48691
Brandt, B. *see* Anagnostopulos, C.N. 4—59047
Brandt, D.P., McKay, I.H., Rashwan, M.M., Ranade, S.T. Paralleling and deparalleling tests on Nelson River HVDC bipoles 1 and 2 4—45076
Brandt, E., Kuhnl, G., Terhorst, A., de Wendt, G. The dynamic behaviour of strain portal structure in high voltage cable lines during short circuit 4—56649

Brandt, H., Marlevi, A. Synchronization of digital telecommunication networks 4—54035
Brandt, H.-L. Target groups for public relations in industrial complexes 4—62021
Brandt, H.R., Gannon, P.M. High-speed buffer with dual directories 4—51218
Brandt, R. Interactive video in engineering education 4—40743
Brandt, R. *see* Khan, H.A. 4—55934, 4—55947, 4—55948
Brandt, R. *see* Vater, P. 4—55949, 4—55961
Brandtberg, H. Integrated electronic map system 4—44864
Branduardi-Raymont, G. *see* Mason, I.M. 4—33783
Brandwajn, V., Dommel, H.W. Numerical oscillations in the transient analysis of circuits with implicit integration methods 4—45067
Bransalov, K.P. *see* Burov, J.I. 4—49491
Branspiz, Yu.A. *see* Zagirnyak, M.V. 4—37551
Branstad, D.K. Recent computer network security efforts at NBS 4—32455
Brantov, S.K., Epelbaum, B.M., Tatarchenko, V.A. Unidirectional growth of silicon layers on a graphitized fabric substrate 4—29504
Brantov, S.K. *see* Abrosimov, N.V. 4—29442
Braquet, H. *see* Bonnet, Y. 4—29657
Brasen, D. *see* Mahajan, S. 4—31245
Brashler, M., Coleman, D., DuBois, R. An integrated IC test development system 4—58992
Brass, T. *see* Bozic, S.M. 4—46558
Brassard, G. *see* Bennett, C.H. 4—32805, 4—43156
Braswell, R. *see* Bauer, M. 4—40483
Braswell, S.D., Buckett, J.R. Alternatives for control of wheelchair recliners 4—56165
Braswell, S.D. *see* Buckett, J.R. 4—56194
Braswell, S.D. *see* Thrope, G.B. 4—56193
Brativnyk, Ya.G., Brilliantov, D.P., Movchan, V.V. Vatra TV complex of the Salyut orbital space station 4—48436
Bratko, I. *see* Gams, M. 4—50909
Bratman, V.L., Denisov, G.G., Korovin, S.D., Rostov, V.V., Polevin, S.D., Yakushev, A.F. Relativistic Cerenkov source for the millimeter range 4—36186
Bratman, V.L. *see* Bogachenkov, V.A. 4—59365
Bratoljic, T. A new method of determining eddy currents in turbogenerator rotor retaining rings using a three-dimensional field calculation 4—62485
Bratoljic, T., Huttenloher, D., Lorenzen, H.W., Zerbes, H.P. Tests on a 320 kVA superconducting generator 4—45421
Bratolyubov, V.B. *see* Bondarenko, N.N. 4—49956
Bratt, C. *see* Nelving, H.-G. 4—34522
Brattgard, I. Electrical wheelchairs—power system 4—56166
Bratton, C.B. *see* Jones, T.W. 4—55811
Brattsev, S.G. *see* Popov, A.P. 4—53192
Bratu, I. *see* Dadarlat, D. 4—52440
Brau, C.A. Free-electron lasers 4—37277
Brau, C.A. *see* Newnam, B.E. 4—47370
Brau, C.A. *see* Warren, R.W. 4—47371
Braubach, H. VHF wobbulator, measuring in the VHF range. II 4—61411
Brauchle, P. *see* Speidel, R. 4—30245
Braudo, D.L. *see* Kryukov, D.K. 4—62842
Brauer, C., Leberzammer, G. The 335 diagnostic unit—the portable aid for programmable controllers 4—55203
Brauer, H., Kilias, H., Funke, T. Numerical calculation of the electric field at the heart 4—44761
Brauer, J.R., Larkin, L.A., Overbye, V.D. Finite element modeling of permanent magnet devices 4—34681
Braugenhardt, S., Kaaman, J., Olsson, E. ISDN the Ericsson way 4—43556
Brault, J.-J. *see* Plamondon, R. 4—38098
Brault, R.G. *see* Kubema, R.L. 4—36883
Braun, A. Measuring techniques for the determination of the errors of current transformers with small rated secondary currents 4—48985
Braun, B. District heat from environment-compatible, coal-fired heat and power plants 4—62355
Braun, C. *see* Guha, S. 4—51720
Braun, D. *see* Heitmann, H.G. 4—34329
Braun, E. Start of the BIGFON system trials 4—54069
Braun, G., Bockisch, A., Neuwirth, W. Lifetime of the 0_2^+ state of ^{72}Ge determined by delayed auto-coincidence of a Ge(Li) detector 4—55848
Braun, H.E., Fujita, K., Dahlheimer, J.A. Making the most of modular design: the Nupack 600 MWe PWR 4—34289
Braun, M., Hasse, K. A direct frequency changer with control of input reactive power 4—49973
Braun, M.J. *see* Durrant, O.W. 4—56810
Braun, R.M. Using substrate logic as a current source 4—35636
Braun, U. *see* Ehrhardt, F. 4—47206
Braun, W. Monitoring of battery-charging with few components 4—35612
Braun, W.R. Spectrally efficient transmission of digitized, encrypted speech over mobile radio channels 4—37901
Braun, W.R., McKenzie, T.M. CLASS: A comprehensive satellite link simulation package 4—32788
Braun, W.R., McKenzie, T.M. CLASS: a comprehensive satellite link simulation package 4—38506
Braune, W. *see* Jung, T. 4—30441
Brauner, R. *see* Liff, H. 4—36683
Braunlich, P., Jones, S.C., Tetzlaff, W. A remote fibre-optic microdosimetry reader 4—33889
Braunovic, M. Fretting in electrical contacts 4—51578
Braunovic, M., McIntyre, N.S., Clauvin, W.J., Aitchison, I. Surface analysis of fretting damage in electrical contacts of aluminum with different contact materials 4—41634
Braunschmid, F. From the 8085 came the Z80 4—35842
Bravo, L.J.Barrios *see* Barrios Bravo, L.J.
Bray, C.W. *see* Lee, M.K. 4—59274
Bray, D.W. The Clarkson College student computer plan 4—40749
Bray, M.A. Evaluation of an artificial-intelligence-based operator aid 4—62303
Bray, N.De *see* De Bray, N.
Brayer, K. An adaptive computer communication network designed with decentralized control 4—32431
Brayton, R.K., Chen, C.-L., McMullen, C.T., Otten, R.H.J.M., Yamour, Y.J. Automated implementation of switching functions as dynamic CMOS circuits 4—51184
Brayton, R.K., Hachtel, G.D., McMullen, C.T., Sangiovanni-Vincentelli, A. Espresso-II: a new logic minimizer for programmable logic arrays 4—51187
Brazda, L. KT4t new articulated thyristor tramway cars 4—57444
Brazhnikov, A.E., Ionova, R.N., Minaev, V.P., Mitauer, C.Ya., Turkov, Yu.G. Surface hardening by use of flashlamp radiation 4—50244
Breaban, F. *see* Crisan, S. 4—61216
Breaker, L.C. *see* Sides, D.R. 4—56331
Brebner, G., Buchanan, D. On compiling structural descriptions to floorplans 4—36751
Brecher, C., Gustafson, J.C. The effect of additive concentration on material erosion in matrix-strengthened silver-cadmium oxide 4—41633
Brechko, N.S., Volkova, N.V., Nikitin, M.A., Ornov, V.G. Statistical evaluation and analysis of the adaptive system of transmitting remote information to the automated supervisory control system of the USSR unified electric power system 4—39817
Brechling, J. *see* Wolf, H. 4—45296
Brechtmann, C. *see* Drechsel, H. 4—55953
Brechtmann, C. *see* Trakowski, W. 4—55912
Brecke, R.A., Carlson, D.J., Ell, T.E., Jansen, R.E., Sheehan, D.P. Automatic calibration of disk file servo gain 4—42253
Breckler, S.J. *see* Allen, R.B. 4—43631
Breckow, J., Keuper, A. Conductivities and anisotropies in diffusely arranged nervous tissues: their determination and importance in neurophysiological studies 4—56119
Breda, L.M. *see* Oh, Y.H. 4—53537
Bredikhin, M.Yu., Il'enko, B.P., Khorenko, V.K. Arc source with a heated gas discharge chamber for generating multiply charged metal and gas ions 4—39402
Bredikhin, V.I., Kuznetsov, S.P. Influence of anomalous biaxiality in crystals of the KDP type on the action of electrooptic shutters 4—31186
Bree, K.Van *see* Van Bree, K.
Breed, B.R., Posch, T.E. A range and azimuth estimator based on forming the spatial Wigner distribution 4—53768
Breedveld, P.C. Essential gyrators and equivalence rules for 3-port junction structures 4—51425
Breev, V.N. *see* Krivonishchenko, I.A. 4—62584
Bregadze, Yu.I., Domas', I.M., Maslyaev, P.F., Sil'chenko, A.P. Calibration of photon radiation dosimeters in equivalent dose units 4—33907
Brehm, C. *see* le Sergent, C. 4—37157
Brehm, K. *see* Bauer, B. 4—33071
Breid, D. *see* LeClair, K. 4—58384
Breidbart, S. *see* Bennett, C.H. 4—32805
Breipohl, A.M. *see* Lee, F.N. 4—56452
Breit, A. *see* Atzinger, A. 4—39597
Breitenbach, J. A power spectrum estimation method via moment space bounds 4—43070
Breithardt, J. *see* Seibt, D. 4—48069
Breitschwerdt, W. No irreconcilable contrasts. Technique and environmental protection in the car industry 4—50248
Breivogel, B. Master-slave circuit controls AC power 4—39015
Breman, J. Blue asbestos in the Flevocentrale [power station safety] 4—50439
Bremerman, M.V. *see* Chenoweth, H.B. 4—29299
Bremmer, H., Lee, S.W. Propagation of a geometrical optics field in an isotropic inhomogeneous medium 4—47602
Bremner, A., Cassels, J.W.S. On the equation $Y^2=X(X^2+p)$ 4—29327
Brenci, M., Falciai, R., Mignani, A.G., Scheggi, A.M. Optical fibers with enlarged ends for surgical use 4—49296
Brenci, M. *see* Scheggi, A.M. 4—56097
Brendle, F., Brendle, M. Musical Apple. Versatile tone and sound generator for the Apple 4—44312
Brendle, M. Circuit controller for a large input voltage range 4—29629
Brendle, M. Transversal filter reduces transmission error rate 4—35965
Brendle, M. *see* Brendle, F. 4—44312
Brendler, W., Ermisch, J. The power supply of electronic components of the measuring and protecting techniques in electric energy systems 4—45513
Brendler, W., Koettnitz, H. Measuring means and measuring methods in the energetic electrotechniques under the influence of the semiconductor and micro-electronics 4—39005
Brener, R. *see* Eizenberg, M. 4—46877
Brengelmann, G.L. *see* Mekjavic, I.B. 4—49119
Brennan, C.M. *see* Bronaugh, E.L. 4—59896
Brennan, J.T. The current status of fast neutron therapy facilities 4—39599
Brennan, S., Eisenberger, P. A novel X-ray scattering diffractometer for studying surface structures under UHV conditions 4—56054
Brennan, W.P., Earnest, C.M., DiVito, M.P. Applications of thermal analysis in the electrical and electronics industries 4—35293
Brennand, J.P. Load sharing of synchronous condensers by programmable logic controller 4—57606
Brenndorfer, K. A 5/50 W power meter with dummy load for operation up to 1.3 GHz 4—44535
Brenner, N. VLSI circuit design using APL with Fortran subroutines 4—50891
Brenner, R. Speech reproduction with EPROMs 4—43257
Brenner, W. UV curing compounds for coating, bonding, potting, and encapsulation 4—40851
Brent, D.A. *see* Fowler, P.H. 4—29309
Brent, R.P., Luk, F.T., Van Loan, C. Computation of the generalized singular value decomposition using mesh-connected processors 4—53589
Brenza, R.M. Static power converters for reversing blooming mills [DC motor drives] 4—57609
Breskin, A., Charpak, G., Majewski, S. On the low-pressure operation of multistep avalanche chambers 4—39414
Breskin, A., Chechik, R., Fraenkel, Z., Jacobs, P., Tserruya, I., Zwang, N. Low-pressure multistep detector for very low energy heavy ions 4—39428
Breskin, A. *see* Anderson, D.F. 4—61680
Breslawsky, M. Speed and function are the keys to fax machine savings 4—48030
Bresler, Y., Macovski, A. 3-D reconstruction from projections based on dynamic object models 4—53921
Bressani, T., Caria, M., Serci, S., Iazzi, F., Minetti, B., Chiavassa, E., Costa, S., Dellacasa, G., De Marco, N., Gallio, M., Musso, A., Fassnacht, P. A time-of-flight hodoscope saving the number of photomultipliers 4—33695
Bressani, T., Caria, M., Serci, S., Iazzi, F., Minetti, B., Chiavassa, E., Costa, S., Dellacasa, G., De Marco, N., Gallio, M., Musso, A., Fassnacht, P. Performance of an economic time-of-flight scintillator hodoscope 4—39427
Bresse, J.F., Riviere, D. Minority carrier lifetime measurements in semiconductor devices monitored by a microprocessor in EBIC mode 4—36501
Bresser, O.R. Experiences with a metal-free aerial cable design for long span application 4—32837
Bresser, O.R. Design and construction of cables for telecommunications 4—38599
Bressner, W. *see* Kruger, G. 4—61381
Bretoi, R.N. Impact of digital systems technology on man-vehicle systems research 4—49408
Brett, J.A. An RF power meter 4—48407
Brettel, H. *see* Hutzler, P.J.S. 4—32004
Breuer, E. The personal logic analyser 4—44467
Breuer, W. *see* Schalk, M. 4—56771
Breuze, G., Carnet, B., Lemeur, R., Pelras, A., Gadrault, R. The behaviour of optoelectronic components and fibre optics in gamma radiation 4—42479
Brewer, G.A. *see* Weymouth, L.J. 4—55453
Brewer, G.L. *see* Le Du, A. 4—34160
Brewer, P., Halle, S., Osgood, R.M., Jr. Photon-assisted dry etching of GaAs 4—58862
Brewer, S. *see* Doyle, P. 4—45244
Brewster, G. *see* Farrant, M. 4—54786
Brewster, M.E., Kannan, R. Nonlinear successive over-relaxation 4—57949
Brey, W.W. *see* Jensen, D.J. 4—61783
Brez, A. *see* Bellazzini, R. 4—49089
Brezeanu, G. *see* Dascalu, D. 4—47003
Brezinskii, V.G. *see* Namitokov, K.K. 4—37548, 4—45477
Briancon, C., Legrand, B., Walen, R.J., Vylov, T., Minkova, A., Inoyatov, A. A new combined electrostatic electron spectrometer 4—39488
Briand, M. *see* Sandin, P. 4—56394
Bricard, P., Bodin, P. Preliminary requirements for a Short Wavelength Infrared (SWIR) linear array suitable for a high resolution spaceborne camera 4—56267

Brichambaut, C.Perrin de *see* Perrin de Brichambaut, C.

Brickell, E.F. Solving low density knapsacks in polynomial time 4—47779

Brickell, E.F. Solving low density knapsacks 4—53422

Brickell, E.F., Lagarias, J.C., Odlyzko, A.M. Evaluation of the Adleman attack on multiply iterated knapsack cryptosystems 4—53423

Brickell, F., Westcott, B.S. Comments on the synthesis of dual offset reflector systems 4—47657

Brickwedde, A. Microprocessor-based adaptive control for electrical drives 4—57404

Bricot, C. The Thomson-CSF digital optical disk format 4—44268

Bridge, P. *see* Fisher, G.T. 4—50180

Bridgeforth, A.O. Algorithm development for a spacecraft autonomous power system 4—34769

Bridgeforth, A.O. *see* McLyman, W.T. 4—34725

Bridger, N.J. *see* Moseley, P.T. 4—45597

Bridges, E. *see* Shafai, L. 4—31800, 4—42941

Bridges, J.E., Krstansky, J.J., Taflove, A., Sresty, G. The IITRI in situ RF fuel recovery process 4—40599

Bridges, T.J. *see* Liao, A.S.H. 4—37228

Bridges, W.B. *see* Schweig, E. 4—42908

Bridgewater, A.W. *see* Bird, J.S. 4—54866

Bridgwood, M.A. An instrumentation scheme for the assessment of impulsive noise in complex electrical systems 4—55359

Brie, R., Guidoux, L., Milon, J., Maitre, X. Echo cancelling for 2-wire digital transmission in the local network 4—31701

Bried, F. *see* Nichols, W.H. 4—34659

Brieger, K.-P., Gerlach, W., Pelka, J. The influence of surface charge and bevel angle on the blocking behaviour of a high-voltage p^+-n-n^+ device 4—47063

Brieger, K.-P., Gerlach, W., Pelka, J. Investigation of the blocking capability of high-voltage p^+n-devices with a mesa-like contour and an inverse mesa contour 4—52048

Brienzo, R.K. *see* Hodgkiss, W.S. 4—53763

Briepohl, A.M. *see* Lee, F.N. 4—45006

Brier, L. Effective program preparation—methods and experience 4—32567

Briggs, A. *see* Englert, Th. 4—51837

Briggs, A. *see* Remenyi, G. 4—51836

Briggs, A. *see* von Molnar, S. 4—30383

Briggs, D. A bank data network based on X.25 4—43897

Briggs, J. Specifying and using rubber 4—58064

Briggs, J. *see* Foerster, C.L. 4—55785

Briggs, W.E., Lewis, J.E., Tranquilla, J.M. Dielectric properties of New Brunswick oil shale 4—39287

Bright, J.P. Polyetherimide: high temperature, melt processable insulation 4—36963

Bright, R.D. European videotex—the 1983 expansion 4—48093

Bright, R.D. An up-date on telematique developments in France 4—60467

Brignell, J.E. *see* Cooper, A.R. 4—48871

Brignolo, R. *see* Barberis, G. 4—44020

Briguet, V. *see* Tiefenthaler, K. 4—37097

Brikman, M.S. Integral models in problems of filtering, smoothing and prediction of continuous stochastic processes 4—31950

Brikman, M.S., Vinogradova, L.N., Kleinberg, A.Ya., Fastritskii, V.S. Probability methods in nondestructive inspection 4—58100

Bril, V. *see* Stalberg, E. 4—33840

Brill, A.B. *see* Zubal, I.G. 4—39541

Brill, H.-P. What does the 68000 achieve? The 68000 microprocessor in comparison 4—46489

Brill, M.H. *see* Adams, S.L. 4—32659

Brillet, A. *see* Man, C.N. 4—47414, 4—52911

Brilliantov, D.P. *see* Brativnyk, Ya.G. 4—48436

Brillson, L.J. Contact technology in 3-5 device analysis and modification of metal-semiconductor contact interfaces in 3-5 devices 4—36335

Brimacombe, R.K., Reid, J. Gain dynamics of the 4.3-μm CO_2 laser 4—42544

Brimacombe, R.K. *see* Znotins, T.A. 4—53043

Brine, A. *see* Farrell, P.G. 4—38387

Briner, M. *see* Rinerson, D. 4—58342

Bringans, R.D. *see* Bachrach, R.Z. 4—56044

Bringhagen, L. *see* Borghagen, L. 4—45917

Bringi, V.N., Seliga, T.A., Cooper, W.A. Analysis of aircraft hydrometeor spectra and differential reflectivity (Z_{DR}) radar measurements during the Cooperative Convective Precipitation Experiment 4—49465

Bringi, V.N. *see* Aydin, K. 4—47595

Bringi, V.N. *see* Seliga, T.A. 4—47598

Brininstool, M.R. *see* Kono, M.E. 4—48774

Brinkman, A., Bloemendaal, A.L A motorway traffic control system [overhead displays] 4—48755

Brinkman, A.C. *see* van Beek, H.F. 4—33674

Brinkman, L.A., Godsell, K.B. Software system eases record keeping [MECCR] 4—48008

Brinkmann, K., Obermayr, K., Lager, G. Bestimmung des Druck-Leerlauf-Ubertragungsmasses von 1-Zoll-Kondensatormikrofonen in der Physikalisch-Technischen Bundesanstalt (Determination of the pressure-open circuit- transmission constant of 1 inch condenser microphones in the PTB) 4—55116

Brinkmann, P.W. The Large Space Simulator (LSS) at ESA/ESTEC (a summary of the main characteristics) 4—44834

Brinkmeyer, E. *see* Eickhoff, W. 4—37092

Brinner, T.R. Voltage and cable impedance unbalance in submergible oil well pumps 4—35086

Brinson, H.F. *see* Tuttle, M.E. 4—61547

Bris, M.T.Le *see* Le Bris, M.T.

Briseno, M. *see* Flores, R. 4—55900

Brish, R.T. *see* Lior, N. 4—55291

Brishka, A.A. *see* Lusis, A.R. 4—59273

Brisk, L.F. Gasoline in manholes [telephone lines protection] 4—40811

Briskin, A.M. The threshold sensitivity of periodic signal comparators in the presence of deterministic interference 4—60033

Briskman, R.D. Domestic satellite services for rural areas 4—38521

Brissonneau, P. Nonoriented electrical sheets 4—42227

Brissonneau, P. *see* Brugel, L. 4—44595

Brissot, L. *see* Berger, J.L. 4—55275

Bristow, D. *see* Mullani, N.A. 4—33813

Bristow, D. *see* Wong, W.-H. 4—39530

Bristow, G. Designing a speech output system 4—43260

Britcher, C., Goodyer, M.J., Scurlock, R.G., Wu, Y.Y. A flying superconducting magnet and cryostat for magnetic suspension of wind-tunnel models 4—33921

Brito Cruz, C.H., Scarparo, M.A.F., Srivastava, R. Femtosecond duration pulse generation with a passively mode locked dye laser 4—42587

Britskiy, A.I. *see* Zaytsev, G.F. 4—62533

Britt, E.J. *see* Dick, R.S. 4—34947, 4—40495

Britt, E.J. *see* Wetch, J.R. 4—40491

Britt, J.P. *see* Dereniak, E.L. 4—33150

Brittain, W.M., Skrabek, E.A. SNAP 19 RTG performance update for the Pioneer and Viking missions 4—39671

Britting, A.O., Jr. Design, development, performance, and reconditioning of Ni-Cd batteries using polypropylene separators 4—40389

Britting, A.O., Jr. Final Viking NiCd battery conditioning 4—40406

Britton, C.L., Becker, T.H., Paulus, T.J., Trammell, R.C. Characteristics of high-rate energy spectroscopy systems using HPGe coaxial detectors and time-variant filters 4—39503

Britton, D.E. Formal verification of a secure network with end-to-end encryption 4—53420

Britton, D.I. *see* Olin, A. 4—55823

Britton, D.L. *see* Abbey, K.M. 4—40410

Britton, P. *see* Schuster, S. 4—51241

Brix Pedersen, M. *see* Kai Hansen, F. 4—59162

Brixner, L.H. *see* Carcia, P.F. 4—47338

Brizida, J.de Oliveira *see* de Oliveira Brizida, J.

Brizoux, M. *see* Kane, D. 4—61360

Brkich, D.M. One method for interval estimation of Weibull shape parameter [reliability theory] 4—57878

Broadbent, E.K., Ramiller, C.L. Selective low pressure chemical vapor deposition of tungsten 4—50819

Broadwater, R.P. *see* Hoover, W.A. 4—62265

Brobeck, H. *see* Moller, U. 4—34245

Broche, C., Limelette, J.-L. The application of the MOS transistor in power electronics 4—34781

Brock, T.E. *(editor)* Proceedings of the 7th British Robot Association Annual Conference 4—50322

Brockbank, R.G. *see* O'Mahony, M.J. 4—54801

Brockel, D. The treble steam process—a concept for improving the efficiency of large power stations 4—45285

Brocker, H.-W. Organization of materials economy [electricity supply industry] 4—56425

Brockerhoff, W. *see* Daembkes, H. 4—52102

Brockerhoff, W. *see* Dambkes, H. 4—30653, 4—36060

Brockherde, W. *see* Hosticka, B.J. 4—46561, 4—51050

Brockierhoff, W. *see* Dambkes, H. 4—51823

Brocklin, S.T.Van *see* Van Brocklin, S.T.

Brockman, P. *see* Hess, R.V. 4—56287

Brockman C.L., Jr. *see* Alexopoulos, N.G. 4—59755

Brode, F. Effect of excitation conditions on tests of optical fibres 4—42377

Brodersen, R.W. The future role of analog circuits in custom circuits 4—59006

Brodersen, R.W. *see* Chang, C. 4—30457, 4—36861

Brodersen, R.W. *see* Hsiao, C.-C. 4—53493

Brodersen, R.W. *see* Kavaler, R. 4—53541

Brodersen, R.W. *see* Liang, M.-S. 4—36626

Brodersen, R.W. *see* Pope, S.P. 4—60553

Brodersen, R.W. *see* Reutz, P.A. 4—51454

Brodfuehrer, B.P., Galloway, K.F., Wilson, C.L. Comparison of simple approximations and numerical solutions for the threshold voltage of ion-implemented long-channel MOSFETs 4—29154

Brodic, T. Analytical noise estimation in linear integrated circuits 4—59014

Brodie, B. A 160 ppm digital voltmeter for use in AC calibration 4—61413

Brodie, D.E. *see* Trakalo, M. 4—44569

Brodin, M.S., Dmitrenko, K.A., Taranenko, L.V., Shevel', S.G. Lasing from CdS single crystals illuminated by a flashlamp 4—37347

Brodovskii, V.N. *see* Bai, R.D. 4—34673

Brodrick, K.J. Generic call processing—a major advance in stored program control system architecture 4—60600

Brodskii, B.R. *see* Grebennik, V.S. 4—35288

Brodsky, M.H. Quantized Hall effect circuit technology 4—46991

Brodsky, M.T. *see* Deskevich, J. 4—39643

Brodsky, S. Selection of battery charging systems 4—57236

Brody, B. *see* Beach, R. 4—37443

Brody, P., Luo, F.-C., Malmberg, P. Active-matrix addressing enhances flat panels 4—55259

Brodzinski, R.L. Portable instrumentation for quantitatively measuring radioactive surface contaminations, including ^{90}Sr 4—33904

Brodzinski, R.L. *see* Reeves, J.H. 4—33766

Broeck, H.W.van der *see* van der Broeck, H.W.

Broek, E.J.Van der *see* Van der Broek, E.J.

Broekhoven, P.Van *see* Van Broekhoven, P.

Broennimann, R., Kneubuehl, F.K. New magneto-optic effect on the spectral thermal infrared emission from ferromagnets 4—37001

Broersma, D.M. *see* Barry, J.A. 4—30491

Brofferio, S.C. An integrated differential pulse code modulator based on PLAs for digital television applications 4—37817

Brofman, P.J., Hamilton, G.L. Brazing process for joining surfaces in semiconductor packaging modules 4—29260

Brog, W. Information suppliers' obligations—or how to (mis)inform the user 4—54273

Broggi, R. Micros worth little without communications 4—43735

Brohm, E.G. Sampling new technologies of network processors 4—54329

Broich, B., Hocker, J. Investigation of a rechargeable electrochemical cell with polyacetylene electrodes 4—57314

Broitman, M.B., Makeev, V.Ya., Ettinger, B.Ya. Architecture conception for an information-computer network 4—32466

Brokaw, A.P. Linear ICs—a back door on sensor technology 4—61362

Broman, H. *see* de Luca, C.J. 4—56132

Bromborsky, A., Ruth, B. Calculation of TM_{0n} dispersion relations in a corrugated cylindrical waveguide 4—53253

Bromley, K., Monahan, M.A., Saxe, S.G. Linear transformations performed by an electro-optical processor 4—42414

Bromley, K. *see* Bocker, R.P. 4—53802

Bron, K.M. *see* Sashin, D. 4—44741

Bronaugh, E.L. Immunity tests in an open-area test site 4—37673

Bronaugh, E.L., Brennan, C.M., Sikora, P.A. An improved balun for the biconical dipole antenna, 20 to 220 MHz 4—59896

Bronaugh, E.L., Johnson, M.J. Measurement of automotive underhood E- and H-fields effects of non-ideal environments 4—39281

Bronecke, P. *see* Bauer, J.A. 4—41699, 4—41733

Bronez, T.P., Cadzow, J.A. Signal rank and model order determination 4—60052

Bronez, T.P. *see* Cadzow, J.A. 4—37989

Bronfman, B. *see* Hirst, E. 4—49513

Bronner, G. *see* Zabar, Z. 4—62637

Bronner, G.B., Plummer, J.D. Characterization of transient process phenomena using a temperature-tolerant metallurgy 4—30568

Bronnikov, A.D., Val'kovskii, S.N., Gorbunov, A.V., Erofeev, V.N., Klassen, N.V., Kulakov, M.P., Osip'yan, Yu.A. Optical transmission elements for technological CO_2 lasers 4—59561

Bronnikov, V.K. *see* Lyapin, E.A. 4—40000

Bronshtein, E.L. *see* Kozlov, V.S. 4—40213

Bronshtein, E.L. *see* Venikov, V.A. 4—44995

Bronshtein, M.I., Kochkin, V.I. Effect of grouped operation of pulse converters on the source of supply 4—46328

Bronshtein, O., Gertsbakh, I.B. An open exponential queuing network with limited waiting spaces and losses: a method of approximate analysis 4—29334

Bronson, E.C., Coyle, E.J., Siegel, L.J. Modeling of English speech for the design of a distributed speech understanding system 4—53570

Bronzino, J.D. Electrophysiological signal techniques to quantify alterations in the EEG—general concepts 4—49222

Bronzino, J.D. *see* deLarranaga, F. 4—49223

Broockman, E.C. Optical scanner communications using wand interface 4—55323

Broockman, E.C., Dickson, L.D., Stokes, O.L., Jr. Shutterless laser scanner capable of class 1 operation 4—47535

Broockman, E.C., Steele, W.R. Scanner laser power measurement using special diagnostic label 4—31433

Brook, W.S. Designing and testing to withstand earthquakes 4—49923

Brooker, W.L. Interconnector for DIP integrated circuit and printed wiring board 4—51662

Brookfield, M. Fibre optics in the measurement industry 4—37144

Brookman, M. Overview of applications, trends for lithium batteries 4—50029
Brookman, M. The case for lithium batteries 4—57325
Brooks, A. *see* Benford, J. 4—42825
Brooks, A. *see* Sze, H. 4—42802
Brooks, B.G. *see* Tiedje, T. 4—45653, 4—58773
Brooks, C. 'Waste to energy' and resource recovery 4—49740
Brooks, C.B. *see* Allison, W.W.M. 4—61683
Brooks, C.L. *see* McDanel, R.J. 4—34114
Brooks, G.C. The international regulatory procedures relating to the notification and coordination of space services 4—60953
Brooks, G.W., Meister, R.K. The impact on wafer probe yield of photomask inspection sensitivity 4—36388
Brooks, H. *see* Hollander, J.M. *(editor)* 4—29114
Brooks, J.L., Youngquist, R.C., Kino, G.S., Shaw, H.J. Active polarization coupler for birefringent fiber 4—42380
Brooks, J.L. *see* Youngquist, R.C. 4—37125
Brooks, P.S. *see* Grotte, J.H. 4—29338
Brooks, R.A. Trajectory estimation using translated GPS signals 4—38746
Brooks, R.M. Design of a 7B8B line code with improved error monitoring capabilities 4—43136
Brooks, R.W. China Light & Power's project strategy 4—62027
Brooksbank, R.E., Sloat, R.J., Sandberg, R.O. LWR reprocessing—current status of major programs 4—40011
Brookson, C.B., Serpell, S.C. Security on the British Telecom SATSTREAM service 4—32789
Brookson, C.B. *see* Serpell, S.C. 4—54668
Broom, R.F., Graf, V. Electrical measurement of edge angles 4—31068
Broom, R.F., Walter, W. Planarized structure for Josephson tunnel junctions 4—42296
Broome, R.W. Mandrel for component testing [magnetic heads] 4—31001
Broomfield, B. Partitioning digital telecommunications sytems for implementation in silicon 4—54073
Broomfield, B., Aitken, A. Approaches to telecommunications systems integration in silicon 4—47998
Brorson, S.D. *see* DiMaria, D.J. 4—35807, 4—52812
Brosch, P.F., Friedrich, H., Kirste, H.H., Schroder, H. Current and voltage, as desired: microprocessor regulates mains-supplied current converter 4—49953
Brose, H.F. *see* Skoog, A.I. 4—44875
Brose, J. *see* Buchenberger, R. 4—31689
Brosio, A. *see* Ambrosio, R. 4—32522, 4—32532
Brosious, P.R. High-uniformity Josephson edge junctions 4—52495
Brosious, P.R. Edge-junction tunnel barrier 4—52499
Brosnan, T.J. *see* Strader, N.R. 4—47140
Brossmann, U., Harmeyer, E., Kisslinger, J., Rau, F., Sapper, J., Wobig, H., Bieder, H.E. Wendelstein VII-AS, the realisation of a modular stellarator with non-planar coils 4—47230
Broszczak, W., Jakubik, J., Kobylinski, S., Zygierewicz, J. 12 GHz satellite TV broadcast receiver testing 4—44222
Brouhard, J. *see* Farrant, M. 4—54786
Brouillet, A.O. *see* Leiseifer, H.P. 4—44876
Broukal, J. *see* Kuzel, R. 4—41735
Brous, J., Schneider, A.F. Cleaning surface-mounted assemblies with azeotropic solvent mixtures 4—41702
Brouwer, G.F. *see* Felici, F. 4—44878
Brovman, V.G. *see* Al'tman, A.B. 4—30148
Browell, E. *see* Megie, G. 4—61932
Browell, E.V., Ismail, S. Spaceborne LIDAR investigations of the atmosphere 4—61931
Brower, D.L., Peebles, W.A., Luhmann, N.C., Jr., Phillips, P.E., Rowan, W.L. Modification of microturbulence during impurity injection on TEXT 4—39298
Brown, A. Using communications standards to link factory automation systems 4—60523
Brown, A., Young, T. A medium sized wind turbine for isolated sites 4—34542
Brown, A. *see* Mark, J. 4—59681
Brown, A.B. Electronic mail 4—60425
Brown, A.M. Project management for the design and supply of power station mechanical and electrical plant 4—62078
Brown, A.S., Palmateer, S.C., Wicks, G.W., Eastman, L.F., Calawa, A.R. Dependence of electrical characteristics of MBE $Ga_{0.47}In_{0.53}As$ planar doped barriers on InP substrates 4—51819
Brown, B.J. *see* Brown, E.P.M. 4—56437
Brown, C. Professional audio update [digital technology in audio equipment] 4—55106
Brown, C.P. Automated in-line screen printing 4—51686
Brown, D., Pankowski, B., Halpeny, O., Knepley, J. Distributed circuit control for the DCS 4—32120
Brown, D., Racki, R., D'Amico, N., Petlevich, W., Sverdrup, E., Love, J., Diaz-Tous, I., Stringer, J. Demonstration of a field-replaceable fan-armoring system at the Cherokee Station of Public Service of Colorado 4—49747
Brown, D.C. *see* Harter, D.J. 4—42720
Brown, D.E. *see* Kubo, H. 4—56225
Brown, D.J., Farrier, D.R., Levett, D.B., Barkhordar, M. A dual-mode speed control system for an induction motor 4—57049
Brown, D.J. *see* Brady, M.L. 4—47110
Brown, D.L. *see* Bernardelli, W.J. 4—37553
Brown, D.M. *see* Cohen, S.S. 4—52035
Brown, D.N. *see* Malay, J.T. 4—56324
Brown, D.P. *see* Svoboda, J.A. 4—30005
Brown, E.P.M., Brown, B.J., Johnson, K.R. Identification of feasible operating machine combinations using efficient combinational techniques [power system short circuits] 4—56437
Brown, E.P.M., Sirisena, H.R. Nonlinear HVDC link model reduction in multi AC-HVDC power system state estimation 4—39850
Brown, E.P.M., Sirisena, H.R. Power system state estimator availability analysis 4—49578
Brown, E.P.M. *see* Sirisena, H.R. 4—45016
Brown, F. Circuit protectors 4—34226
Brown, F. Universal crystal oscillators 4—35677
Brown, F.C., Hulbert, S.L. A high resolution monochromator for undulator radiation 4—56041
Brown, F.K. Technical ethics 4—40748
Brown, F.M., Igarashi, Y. On permutations of wires and states 4—46321
Brown, G. Scene matching for navigation updating 4—33945
Brown, G. *see* Gill, M. 4—59039
Brown, G.G., Wright, W.G. Automatic identification of embedded network rows in large-scale optimization models 4—35402
Brown, G.J. *see* Warner, C. 4—32114
Brown, G.N., O'Reilly, J.J. Point process estimation for the optical backscatter channel 4—44137
Brown, G.R. *see* O'Connor, J.T. 4—52313
Brown, G.S. *see* Otis, J.N. 4—39544
Brown, G.S. *see* Zeman, H.D. 4—56094
Brown, H. V/STOL propulsion control technology 4—39676
Brown, H. *see* Utting, I.A. 4—54439
Brown, H.E. *see* Moe, M.K. 4—33634
Brown, I.G., Feinberg, B. The LBL EBIS test-stand 4—39399
Brown, I.T. *see* Pimlott, R.M. 4—33791
Brown, J. *see* Lee, G. 4—29823
Brown, J. *see* Petersen, K. 4—61368
Brown, J.C., Jr. *see* Vu, T.T. 4—29781, 4—35746
Brown, J.D. Use of single-pole reclosing increases availability of EHV transmission 4—49580
Brown, J.E. *see* Jones, B.L. 4—62729
Brown, J.E. *see* Vas, P. 4—57012
Brown, J.K. *see* Sechi, F. 4—33133
Brown, J.M., Hononyak, N., Jr., Kaliski, R.W., Ludowise, M.J., Dietze, W.T., Lewis, C.R. Effect of layer size on lattice distortion in strained-layer superlattices 4—46842
Brown, J.M. *see* Epler, J.E. 4—52981
Brown, J.M. *see* Meehan, K. 4—31369, 4—31388
Brown, J.R. *see* Hochhaus, L. 4—33151
Brown, J.S., Burnett, T.H., Cook, V., Del Papa, C., Duncan, A.L., Mockett, P.M., Sleeman, J.C., Willutzki, H.-J., Wisinski, D.E. The MARK III time-of-flight system 4—39487
Brown, K., Cherry, M.L., Corbato, S., Davidson, I., Keida, D., Lande, K., Lee, C.K., Steinberg, R.I. Monopole search and neutrino astrophysics with liquid scintillation detectors 4—55814
Brown, K.A. *see* Steidel, R.F., Jr. 4—40145
Brown, L.C. Statistical switching architectures for future services 4—60588
Brown, L.D. Basic instrumentation for offshore platforms 4—61179
Brown, L.E. *see* Love, H.G. 4—49265
Brown, L.M., Drost, M.K., Hauser, S.G., Barnhart, J.S. Optimization of a solar salt pond power plant at Great Salt Lake 4—40171
Brown, M. *see* Schmitz, C. 4—51173
Brown, M.D., Reetz, D.D. Integrated LSSD clock and reset control 4—41437
Brown, M.E. *see* Shorrocks, N.M. 4—30848
Brown, M.F., King, R.W.P., Wu, T.T. Experiments on the reflection of lateral electromagnetic waves 4—42835
Brown, M.F. *see* King, R.W.P. 4—37566
Brown, M.G., Smith, R.G. Frequency stabilization of a semiconductor laser by thermal and current feedback control 4—31402
Brown, M.K., Thorkildsen, R., Oh, V.H., Ali, S.S. The DTWP: an LPC based dynamic time warping processor for isolated word recognition 4—53540
Brown, M.K., Thorkildsen, R., Oh, Y.H., Ali, S.S. The DTWP: an LPC-based dynamic time-warping processor for isolated word recognition 4—37891
Brown, M.K. *see* Oh, Y.H. 4—53537
Brown, M.L. On the Diophantine equation $\Sigma X_i = \Pi X_i$ 4—29326
Brown, M.S. A multifacet holographic field lens for diffraction pattern sampling 4—53102
Brown, M.S., Giniger, M.S., Davies, B.M. Cogeneration—an opportunity for utilities 4—49738
Brown, N.H. The EMSP data flow computer 4—38025
Brown, P.A. ASDP162/3—the specialised call distribution system for small businesses 4—54572
Brown, P.J. Forecasts and public policy 4—50431
Brown, R. Repair shop core testing 4—29215
Brown, R. Infrared evaluation of electrical machinery 4—50438
Brown, R., Santi, G. Missile system for low altitude air defence 4—56240
Brown, R. *see* Camisa, R.L. 4—36844
Brown, R. *see* Goodwin, L. 4—35211
Brown, R.A. *see* Bourret, E.D. 4—50735
Brown, R.A. *see* Hume, E.C. 4—52210
Brown, R.A. *see* Kalejs, J.P. 4—29460
Brown, R.B. *see* Gopani, S.G. 4—52391
Brown, R.C., Kerber, R.L. Effect of vibrational and rotational relaxation mechanisms in pulsed H_2+F_2 lasers 4—52869
Brown, R.C. *see* Clarricoats, P.J.B. 4—42971
Brown, R.G., Hwang, P.Y.C. Application of GPS to geodesy: a combination problem in estimation and large-scale multiple hypothesis testing 4—39694
Brown, R.Grover *see* Grover Brown, R.
Brown, R.L. *see* Besomi, P. 4—42625
Brown, R.S. *see* Bond, A.H. 4—53824
Brown, R.T. Treatment of singularities in the physical theory of diffraction 4—53198
Brown, R.T. Mini-TEA 1000-Hz CO_2 laser 4—59385
Brown, S. *see* Potter, B.R. 4—52420
Brown, S.F. *see* Soileau, M.J. 4—42721
Brown, T. Economics of multiple site testing of PCBs 4—41681
Brown, T. *see* Kauffman, R.L. 4—61737
Brown, W.E. *see* Takagi, S. 4—56124
Brown, W.F., Jr. Tutorial paper on dimensions and units 4—38993
Brown, W.L. *see* Venkatesan, T. 4—36398
Brown, W.W., Jr., Curry, W.J. Canted tier water dome 4—46245
Brown, W.W., Jr., Dahlke, G.P., Grose, D.A. Alternate method to wire feeding evaporation charge 4—30562
Browne, J. RF power meters: measurement workhorses 4—39207
Browne, J.W., Jr., Moyer, B. MC 68008: a 32 bit architecture for 8 bit systems 4—35828
Brownell, G.L. Emission and transmission tomography: an overview 4—39526
Brownell, G.L., Burnham, C.A., Chesler, D.A., Bradshaw, J., Kaufman, D., Weise, S. PCR-I—high resolution positron tomography using analog coding 4—44716
Brownell, G.L. *see* Burnham, C.A. 4—33815
Brownell, M.L. *see* Rode, J.P. 4—56264
Browngardt, R.P., Johnson, R.K. Microprocessor driven displays for the industrial power house 4—56710
Brownless, J. Maintenance begins on the drawing board 4—57778
Brownlie, J.D., Cusack, E.L. Duplex transmission at 4800 and 9600 bit/s on the general switched telephone network and the use of channel coding with a partitioned signal constellation 4—43861
Brownlie, J.D., Cusack, E.L. Duplex transmission at 4800 and 9600 bit/s on the PSTN and the use of channel coding with a partitioned signal constellation 4—60575
Brownlow, J.M. Barrier film for thick film dielectric glasses 4—29263
Brownlow, J.M. Rare earth phosphors 4—59325
Broyden, C.G. Quasi-Newton methods 4—40981
Broyer, M., Chevaleyre, J., Delacretaz, G., Woste, L. CVL-pumped dye laser for spectroscopic application 4—59455
Brozdnichenko, A.N., Novitskii, M.G., Yakovlev, V.E. Re-emission of absorbed energy in varigap negative-electron-affinity emitters 4—51697
Brozec, P.Le *see* Le Brozec, P.
Brozel, M.R. *see* Rumsby, D. 4—30350
Brozostek, E. *see* Kedzia, J. 4—42197
Bruberg, B., Koyama, F., Tohmori, Y., Suematsu, Y. 1.53 μm DFB lasers by mass transport 4—59516
Bruce, F.M., III, Graefe, R.J., Lutz, A., Panlener, M.D. Reduced voltage starting of squirrel-cage induction motors 4—34658
Bruce, F.M., III, Graefe, R.J., Lutz, A., Panlener, M.D. Reduced voltage starting of squirrel cage induction motors 4—57035
Bruce, K., Longo, G. On combinatory algebras and their expansions 4—50669
Bruce, R.H. *see* Hu, G.J. 4—47132
Bruchmann, D., Kleine, U. Integrated VIS SC filter with lattice reference structure 4—51410
Bruchmann, K. An electronic tachogenerator 4—49020
Bruckert, E. A new test-to-speech product produces dynamic human-quality voice 4—43256
Bruckner, A. *see* Stein, N. 4—33826

Bruckner, H. Display techniques of telematic systems. I. The Teletext/Prestel and the Antiope systems 4−60458
Bruckner, P. *see* Reiss, W. 4−41415
Bruckner, V., Bente, E.A.J.M., Langelaar, J., Bebelaar, D., van Voorst, J.D.W. Raman echo on a picosecond timescale in nitrogen gas 4−59602
Bruckner, V., Kerstan, F. Laser controlled fast optoelectronic switching in semiconductors 4−47326
Bruckstein, A., Cover, T. Monotonicity of linear separability under translation 4−38094
Bruckstein, A.M. On the invariant measures of some discrete-time Markov processes 4−40934
Brucoli, M., Napoli, R., Torelli, F., Trovato, M. A practical method for simplifying the dynamic stability analysis of interconnected power systems 4−62060
Brucoli, M., Torelli, F., Trovato, M. Structural coherency in interconnected power systems 4−45020
Brudnyi, V.N., Krivov, M.A., Potapov, A.I., Rud, Yu.V. Electrical properties of electron- and proton-irradiated GaAs and $ZnGeAs_2$ solid solutions 4−36273
Brueck, T.M., Doutt, J.R. The missing link−distribution system communications 4−54174
Bruenger, F.W. *see* Smith, J.M. 4−56091
Bruenger, W.H., Betz, H., Heuberger, A., Somers, J.M. E-beam two-coordinate measuring tool for high precision metrology in microlithography 4−52265
Bruening, K. *see* Jensen, G.L. 4−39418
Bruer, J.-O. On pseudo random sequences as crypto generators 4−43199
Bruevich, D.A., Vorob'ev, R.M. On some properties of the organisation of semiconductor memory storage in terminal complexes 4−41335
Bruffell, P.D. *see* Aird, R.J. 4−62881
Brugada, P. *see* Dassen, W.R.M. 4−49251
Brugel, L., Brissonneau, P., Kedous, A., Perrier, J.C. Effects of the Epstein frame imperfections on the accuracy of power measurements at medium frequencies 4−44595
Brugger, P. Software emulates RJE/batch modes 4−48210
Brugger, R.M., Taylor, A.D., Olsen, C.E., Goldstone, J.A., Soper, A.K. A spectrometer for inelastic scattering using neutrons from 1 eV to 186 eV 4−39486
Brugner, G. Rounding error analysis of interpolation procedures 4−57962
Bruhn, H., Felske, A. Optical measurements of paint coatings 4−44656
Bruijs, P.A. On the quality of heuristic solutions to a 19×19 quadratic assignment problem 4−50681
Brukilacchio, T.J., Skeldon, M.D., Boyd, R.W. Generation-recombination noise in extrinsic photoconductive detectors 4−47346
Bruley, D.F. *see* Hale, P.N., Jr. 4−49126
Brulhart, G. *see* Schafer, R. 4−45168
Brulinski, P., Zielinski, J.S. Transients due to switching-on an unloaded three-phase power line with random delay-time of circuit-breaker poles 4−49573
Brumme, R. A modification for the capacitor model of the MOS transistor 4−42070
Brummell, M.A., Nicholas, R.J., Brunel, L.C., Huant, S., Baj, M., Portal, J.C., Razeghi, M., Di Forte-Poisson, M.A., Cheng, K.Y., Cho, A.Y. Cyclotron resonance and polaron effects in a two-dimensional electron gas in GaInAs 4−51850
Brummell, M.A. *see* Portal, J.C. 4−51848
Brummer, F. *see* Niepold, R. 4−55440
Brun, G. *see* Coquillat, D. 4−30390
Brun, G. *see* Tedenac, J.C. 4−36307
Brun, K. Looking at the smallest objects [scanning electron microscopes] 4−58708
Brun, M.Le *see* Le Brun, M.
Brundege, E.E. *see* Tricoles, G.P. 4−60198
Brundiers, H.-J. *see* Arefiev, A. 4−55843
Bruneel, C. *see* Gazalet, M.G. 4−52724
Bruneel, H. On buffers with stochastic input and output interruptions 4−53953
Brunel, F., Deffin, P., Moisan, G., Schneider, C. Characterisation, organisation and modelling of subscriber network in view of its digitisation 4−32194
Brunel, L.C. *see* Brummell, M.A. 4−51850
Brunelli, B., Casadei, D., Reggiani, U., Serra, G. Transient and steady-state behavior of solid rotor induction machines 4−34656
Brunemeier, P.E., Roth, T.J., Holonyak, N., Jr., Stillman, G.E. High-uniformity liquid phase epitaxial InGaAsP (λ=1.3 μm) 4−35492
Brunet, J.M. *see* Brand, C. 4−33639
Brunet, M. *see* Stahl, A. 4−30913
Brunetaud, J.M., Mordon, S., Bourez, J., Mosquet, L., Moschetto, Y. Therapeutic applications of lasers 4−49295
Brunetaud, J.M., Mosquet, L., Mordon, S., Rotteleur, G. Therapeutic applications of argon laser 4−49298
Bruneteau, A.M. *see* Bacal, M. 4−44666
Brunetti, R., Jacoboni, C. Analysis of the stationary and transient autocorrelation function in semiconductors 4−41823
Bruni, K.A. Guidelines for successful commutator and brush operation 4−62502
Bruni, S. Lighting fittings for museum illumination 4−57502
Bruniquel, J.P. Circuit indicates battery-charge status 4−40576
Bruniquel, J.P. Sidac: a new solution for power switching 4−57285
Brunner, A.L. Local area networks−what is needed? 4−48292
Brunner, H. Implicit Runge-Kutta methods of optimal order for Volterra integro-differential equations 4−29426
Brunner, H. The advantages predominate−operating experience with rotary current variable speed drive [invertors] 4−57391
Brunner, T.A. *see* Ausschnitt, C.P. 4−36670
Bruno, A.B. Electromagnetic field measurements at 60 Hz in the sea near Montauk Point, NY, and New London, CT 4−61518
Brunovsky, P., Meravy, P. Solving systems of polynomial equations by bounded and real homotopy 4−41001
Bruns, H.-D. Calculation of the current distribution on three-dimensional wire-antenna structures 4−53266
Brunsch, A. *see* Rossi, E.M. 4−31015
Brunshtein, Yu.G., Trotsenko, A.V. Method of checking and calibrating low-frequency linear accelerometers 4−33265
Brunsmann, U. High sensitivity Si:P and Ge:Be infrared detectors for low photon background astronomy 4−55461
Bruppacher, F. *see* Balley, V. 4−56854
Brusaglino, G. The action COST 302: a European study on electric road vehicles 4−45720
Brusaglino, G., Montalenti, P. Development of a modular electrochemical storage system for electric road vehicles 4−45614
Bruscaglioni, P., Ismaelli, A., Porto, L.Lo., Zaccanti, G. Effect of multiple scattering on the propagation of light beams in dense nonhomogeneous media 4−31677
Bruschke, R.-E. *see* Becker, R. 4−50483
Brusenback, P.R. *see* Kato, Y. 4−41986
Brush, G.G., Healy, J.D., Liebesman, B.S. A Bayes procedure for combining black box estimates and laboratory tests 4−46044
Brush, W. *see* Marmaras, E. 4−32649
Brussel, H.van *see* van Brussel, H.
Brusuelas, M.A. *see* Sternick, S.H. 4−38497
Bruton, L.T., Bartley, N.R. A general-purpose computer program for the design of two-dimensional recursive filters−2DFil 4−58457
Bruton, L.T. *see* Liu, E.S.K. 4−46577
Brutsaert, D.L. *see* Van Ocken, E. 4−49266
Brutzel, O. Load following performance of thermal power stations 4−62374
Bruyere, J.-C. *see* Deneuville, A. 4−50803
Bruyn, K.De *see* De Bruyn, K.
Bruyne, P.de *see* de Bruyne, P.
Bruyninckx, C.M.A. *see* van Gemert, M.J.C. 4−33857
Bruzzese, R. Comparison between experimental and theoretical results on discharge constriction in XeCl* lasers 4−42536
Bryan, B.G. *see* Rehmat, A. 4−35094
Bryan, D.A., Gerson, R., Tomaschke, H.E. Increased optical damage resistance in lithium niobate 4−37083
Bryan, R.P. *see* Greiling, P.T. 4−29821
Bryan, R.P. *see* Winston, H.V. 4−58917
Bryant, C., Smith, D. Obtaining accurate center frequency in a portable spectrum analyzer 4−48939
Bryant, C., Smith, D. Accurate measurement of the midband frequency with a portable spectrum analyzer 4−55336
Bryant, C.F., Freeman, E.M. A highly interactive three dimensional mesh generator 4−29384
Bryant, F.J., Qadeer, A. Characteristics of double heterostructure $PbS_{1-x}Se_x$ diode lasers prepared by compositional interdiffusion 4−52979
Bryant, F.J. *see* Krier, A. 4−42475
Bryant, L.E., Jr. High-speed videography combined with an X-ray image intensifier for dynamic radiography 4−55248
Bryant, L.E., Jr., Lucero, J.P. A survey of flash X-ray techniques and applications 4−61734
Bryant, P.J. Introduction to transfer lines and circular machines 4−44664
Bryant, P.R. *see* Latif, M. 4−36562
Bryant, R.E. A switch-level model and simulator for MOS digital systems 4−29784
Bryant, R.E. *see* Schuster, M.D. 4−42173
Bryantsev, A.M., Sokolov, S.E., Biktashev, Sh.Sh., Lis, I.D., Naumov, V.A., Pil'ch, M.L., Svetlov, S.E. Rod-type controllable reactor with three-dimensional magnetic circuit in a 35-110 kV electrical network 4−39868
Bryce, G.R., Collette, D.R. Optimizing wafer processing via statistical design 4−46903
Bryden, B., Hassanein, H. Implementation of full duplex 2.4 kbps LPC vocoder on a single TMS-320 microprocessor chip 4−54463
Brykalski, A. *see* Purczynski, J. 4−56654
Bryksin, V.V., Korovin, L.I., Marakhonov, V.I., Petrov, M.P., Khomenko, A.V. Use of an insulating layer in a PRIZ light modulator 4−53113
Brylevskii, V.I., Levinshtein, M.E., Chashnikov, I.G. Dynamic localization of current during thyristor switching 4−58916
Bryman, D., Leitch, M., Navon, I., Numao, T., Schlatter, P., Dixit, M.S., Hargrove, C.K., Mes, H., Bennett, A., MacDonald, J.A., Skegg, R., Spuller, J., Burnham, A., Hasinoff, M., Poutissou, J.-M., Azuelos, G., Depommier, P., Martin, J.-P., Poutissou, R., Blecher, M., Gotow, K., Carter, A.L. The time projection chamber at TRIUMF 4−33632
Bryngdahl, O. *see* Hauck, R. 4−59615
Bryngdahl, O. *see* Leseberg, D. 4−53090
Brysina, I.V., Solov'yev, A.D. Asymptotic analysis of queueing grids in the case of a small load 4−57904
Brytkov, V.V. *see* Zienko, S.I. 4−46383
Bryukhanov, Yu.A. Compensation of the natural oscillations in a two-tank system when there is a phase jump of the external EMF 4−53220
Bryzek, J. Approaching performance limits in silicon piezoresistive pressure sensors 4−48843
Bryzek, J. Temperature compensation for silicon sensors 4−55425
Bryzgalov, V.A., Velikotnyi, M.A. Extending range of functional applications of amplitude-phase spatial-positioning systems 4−39312
Bryzgalov, V.V. *see* Borovikov, A.A. 4−39474
Brzeski, P. Tester type TPA201 for remote control transmitters 4−48725
Brzezinski, W., Zurawski, M. Prospects of development of digital systems in Poland as a part of world wide prospects for development 4−43594
Brzostek, E. *see* Kedzia, J. 4−57130
Brzustowicz, T.J., de Figueiredo, R.J.P. Iterative restoration by generalized replacement 4−60093
Bu Yushun *see* Meng Xianren 4−47208
Bube, R.H. Large-signal photoconductivity in semiconductors 4−47329
Bube, R.H. Some thoughts on the future of photovoltaics 4−50090
Bube, R.H., Fahrenbruch, A.L., Sinclair, R., Anthony, T.C., Fortmann, C., Huber, W., Lee, C.-T., Thorpe, T., Yamashita, T. Cadmium telluride films and solar cells 4−41835
Bube, R.H. *see* Wong, C.-C.D. 4−46813
Bubenko, J. *see* Habibollahzadeh, H. 4−34494
Bubenko, J.A. *see* Habibollahzadeh, H. 4−34089
Bubennikov, A.N. Machine computations of the delay and capacitances of transistor structures for subnanosecond LSI circuits 4−52227
Bubier, R.W., Szelag, P.R. Assistance for availability: boiler inspections 4−49779
Bubis, E.A. *see* Nepomnyashchii, V.A. 4−39805
Bubliinik, V.E. *see* Skalevoi, V.V. 4−39228
Bublitz, D. District heating continues expansion course 4−45271
Bubnov, G.G., Nikulin, S.M., Seryakov, Yu.N., Fursov, S.A. The use of a mathematical model of a phased antenna array to measure the radiation pattern 4−42988
Bucaro, J.A. *see* Dandridge, A. 4−52623
Bucaro, J.A. *see* DePaula, R.P. 4−59285
Bucaro, J.A. *see* Lagakos, N. 4−52637, 4−59256
Bucci, G., Pezzi, G., Salmoin, M. An on-line pneumatic cigarette inspection device based on two tightly coupled microprocessors 4−35321
Bucciarelli, T., Picardi, G., Prestifilippo, E. Clutters cancellation using autoregressive techniques 4−60889
Bucciarelli, T. *see* Bicocchi, R. 4−38013, 4−48501
Bucconi, A. *see* Sicuranza, G.L. 4−53680
Bucelot, T.J., Chiu, G. On-chip multiplexer oriented system for Josephson testing 4−41310
Bucelot, T.J., Fick, J.S., Immediato, M.J. Bidirectional interface [for room temperature and cryogenic VLSI circuits testing] 4−52206
Buchanan, C.J. *see* Sorkin, A. 4−54349
Buchanan, D. *see* Brebner, G. 4−36751
Buchanan, E.E. *see* Moser, R.L. 4−34770
Buchanan, G., Whittington, H.W. Factors affecting the reliability of microelectronics in severe offshore environments 4−50603
Buchanan, J.A. *see* Phillips, G.C. 4−39425
Buchanan, R. *see* Kawamoto, H. 4−51728
Buchanan, R. *see* Menzel, E. 4−39250
Buchanan, R. *see* Yamazaki, S. 4−51729
Buchberger, J. The effects of magnetic fields from the point of view of industrial health 4−35249
Buchenberger, R., Brose, J. A statistical method for the evaluation of low interference FM communication channels in CTV-networks 4−31689
Bucher, E. Photovoltaics: Research and development for a bright future 4−50070
Bucher, E. *see* Avirovic, M. 4−58009
Bucher, N.M. *see* Voorhees, J.W. 4−44850
Buchhammer, I., Thomas, E. Computer assisted respiration tests 4−39519
Buchhave, P. Three-component LDA measurements 4−33538
Buchheit, M. 8080−8085−Z80: not completely compatible 4−46497

Buchholz, F.I. *see* Kessel, W. 4—55148
Buchholz, W. Marketing aspects and technical trends in optical fibre wideband communications 4—54831
Buchler, O. Accidents on electrical power installations in Switzerland in the years 1977 to 1981. I 4—50445
Buchler, O. Accidents in electrical power installations in Switzerland in the years 1977-81 4—50446
Buchmann, A.H., Hyland, R.J. Contact brush cleaner for particulate removal from screened MLC green sheets 4—40857
Buchmann, P., Kaufmann, H., Melchior, H., Guekos, G. Reactive ion etched GaAs optical waveguide modulators with low loss and high speed 4—31110
Buchner, P. *see* Schonfeld, R. 4—40529
Buchner, S.P. *see* Byer, N.E. 4—30560
Buchner, U., Issel, W., Pilz, S. A language aid for IC design 4—36655
Buchnev, V.M., Klementov, A.D., Sergev, P.B. High-efficiency electron-beam-excited KrF excimer laser 4—37309
Buchoff, L.S. Connectors made from conductive rubber 4—36123
Bucholtz, F., Webb, D.C. Large-bandwidth MSSW echoes in YIG films 4—52472
Buchstab, V.von *see* von Buchstab, V.
Buchta, F. *see* Popczyk, J. 4—45085
Buchta, R. *see* Ostling, M. 4—47073
Buchtela, M. Development of equipment for pumped storage power plants in the CSSR 4—40157
Buchtemann, W., Schuberth, W., Wittenstein, W. Test facility and performance criteria for IR-focal plane arrays 4—55258
Buciak, B. On the apricot assembly line 4—45958
Buck, F.G.G.de *see* de Buck, F.G.G.
Buck, J.T., Johnson, R., Shore, J.E. Speech noise reduction by means of multi-signal minimum-cross-entropy spectral analysis and approximate Wiener filtering 4—43288
Buck, J.T. *see* Burton, D.K. 4—43282, 4—53510
Buck, W., Hasse, P., Weisinger, J. Surge protection for aerials—even from direct lightning 4—45171
Buckalew, W.H., Wyant, F.J., Lockwood, G.J. Charge disposition in rubber insulation samples irradiated with monoenergetic electrons 4—59082
Buckel, R. Interference of telephone installations by harmonics in the overhead line network—of DC railway lines 4—43638
Buckel, W. *see* Hitzfeld, M. 4—33443
Buckett, J.R., Braswell, S.D., Thrope, G.B., Peckham, P.H. A microprocessor based portable functional electrical stimulation system 4—56194
Buckett, J.R. *see* Braswell, S.D. 4—56165
Buckett, J.R. *see* Thrope, G.B. 4—56193
Buckingham, M.C.S. Electronic mail [applications in publishing] 4—54145
Buckingham, M.J. On the response of a towed array to the acoustic field in shallow water 4—38693
Buckland, E.L. *see* Bicknell, R.N. 4—46213
Buckler, M.J. Minitutorial: lightwave system design 4—54790
Buckler, M.J., Meskell, D.J., Jr. A new method for lightguide route engineering 4—32833
Bucklew, J.A. Detection of non-Gaussian signals in white gaussian noise under a low energy coherence assumption 4—31995
Bucklew, J.A. Multidimensional digitization of data followed by a mapping 4—38017
Bucklew, J.A. Two results on the asymptotic performance of quantizers 4—43316
Buckley, A. Women in electrical engineering education 4—50359
Buckley, J.J. The multiple judge, multiple criteria ranking problem: a fuzzy set approach 4—46116
Buckley, J.J. Multiple goal non-cooperative conflicts under uncertainty: a fuzzy set approach 4—50636
Buckley, P. Taking a material route to success 4—35279
Buckley, P. Matching performance test demands 4—36705
Buckley, P. Welsh memories with a magic touch 4—45898
Buckley, R.E. *see* Benton, C.M. 4—45953
Buckley-Golder, D.H., Derwent, R.G., Langley, K.F., Walker, J.F., Ward, A.V. Contribution of renewable energy technologies to future energy requirements 4—56724
Buckow, E. *see* Muller, W. 4—40302
Bucksbaum, P.H., Bokor, J. Rapid melting and regrowth velocities in silicon heated by ultraviolet picosecond laser pulses 4—51964
Bucksbaum, P.H. *see* Pokor, J. 4—59589
Buckstegge, J., Ehrich, H. Ensuring quality by continuous measurements in the production of heating conductors 4—57546
Buckweitz, M.D. *see* Silver, D.A. 4—62200
Bucy, J.F., Anderson, W.W., McMahan, M.L., Tarrant, R.T., Tennant, H.R. Ease-of-use features in the Texas Instruments professional computer 4—35855
Buczkowski, A., Zdanowicz, T., Zubel, I. The influence of surface damage etching on the properties of ion-implanted and thermally diffused non-single-crystal silicon solar cells 4—40456
Budagyan, I.F., Vorob'yev, A.F., Klochay, I.F., Mirovitskiy, D.I., Ponomarenko, V.I. Interrelation of the complex magnetic and dielectric permittivities of a magnetodielectric screening layer with finite thickness 4—42893
Budak, A. *see* Nay, K. 4—35958
Budanov, N.P. *see* Antipov, Yu.M. 4—61731
Budde, R., Nieters, H. Introduction to network theory (theory of Petri nets) 4—32094
Budde, W. Optical radiation measurements. Vol.4. Physical detectors of optical radiation 4—33321
Budden, R.J.R., Tolley, D.L. The role of the electricity supply industry in CHP 4—34073
Budeikin, V.P. *see* Rybin, Yu.K. 4—55327
Buden, D., Angelo, J.A. Space reactors—past, present and future 4—40039
Budenkov, B.A. *see* Pasternak, V.B. 4—58086
Budenkov, G.A., Gurevich, S.Yu., Kaunov, A.D., Akimov, A.V. Apparatus for the automated contactless ultrasonic quality control of rolled sheet 4—35543
Budennaya, L.D., Marchenko, A.I., Sheremetova, G.I. Hetero-photoconvertors based on solid solutions of $CdSe_xTe_{1-x}$ 4—40433
Budge, D. Top-down code for the 68K 4—29927
Budgor, A. Overview of chromium doped tunable vibronic lasers 4—59471
Budgor, A.B. *see* Yeh, J.J. 4—47366
Budhani, R.C. *see* Singh, J. 4—51796
Budhiraja, V.P. Selection of sites for locating satellite earth stations [India] 4—38543
Budig, P.-K. Variable-speed DC drives for high dynamic performance 4—45691
Budinsky Optical communication systems—beginning of the second generation 4—48484
Budinsky New sensors on the principle of optical fibres 4—61348
Budish, I.I. *see* Pavlicek, W. 4—49160
Budisin, S.Z. *see* Jovanovic, V.M. 4—53396
Budlovsky, Z., Hudcovsky, S. Contribution to operational measurements and calculation of the damage coefficient for some components of a nuclear power circuit 4—45250
Budovskii, V.P. *see* Zinchenko, V.F. 4—36114
Budreau, A.J., Carr, P.H., Bertoni, H.L. Highest sensitivity electrically variable SAW delay line 4—59120
Budrikis, Z.L., Hatamian, M. Moment calculations by digital filters 4—35967
Budtz-Jorgensen, C., Knitter, H.-H. A precise method for charged particle counting employing energy and angle information from gridded ion chambers 4—56011
Budzko, I.A., Levin, M.S., Blokhina, E.L. Selection of parameters of electric networks for rural centres of population 4—39855
Budzynska, K. *see* Leja, E. 4—46244
Buennagel, L.A. *see* Royden, H.N. 4—47621
Buess, C. *see* Bichsel, J. 4—48615
Buffa, R., Fini, L., Matera, M. Gas density perturbations in high repetition rate static fill TEA lasers 4—47419
Buffet, J.P., Stockholm, J.G. Industrial thermoelectric water cooling 4—40500
Buffham, I. Building an HF linear amplifier and ATU. II 4—38486
Buffham, I. 2/3-camera outside broadcast unit for Independent Television News Ltd 4—38825
Bugai, V.S. *see* Ulitenko, V.P. 4—55545
Bugay, A.A. *see* Baranskii, P.I. 4—36256
Bugayev, A.V., Izhko, N.S., Ravva, D.P. Synthesis of regenerative microwave power amplifiers 4—36034
Bugiel, E., Kittler, M., Borchardt, A., Richter, H. On the gettering efficiency of crystal defects in silicon 4—51758
Bugliarello, G. *see* Calhoun, C. 4—50300
Buhl, L.L. *see* Alferness, R.C. 4—31172, 4—37162
Buhl, L.L. *see* Korotky, S.K. 4—37182
Buhlmann, H.J. *see* Nottenburg, R. 4—37226
Buhn, U., Keller, G. Contribution to digital RMS-value measurement 4—44383
Buhour, Y., Venard, C. Short-circuit detection on RATP lines 4—45713
Buhr, R. On the processing of digitised pictures of faces 4—38070
Buhrandt, U. *see* Krause, W. 4—55402
Bui, D.V. *see* Armand, M. 4—41600, 4—58544
Bui, T.D. *see* Zhou, S.M. 4—47808
Buiguez, F., Parrens, P., Picard, B. Submicron electron beam and optical lithography using a trip-level resist scheme 4—36663
Buisson, B. *see* Benneton, M. 4—49176
Buisson, J. *see* Wardrip, C. 4—39331
Buist, R. *see* Burke, E. 4—40502
Buitrago, R.H. *see* Cibils, R.M. 4—55201
Buja, G.S., Zoccarato, W. Signal processor controller for a three-phase PWM inverter 4—57209
Bujack, C. Measuring amplifier for the suppression of multiplicative errors 4—51009
Bujack, C. Booster circuit for the control of electromechanical transformers 4—58578
Bujatti, M. *see* Wang, F.-C. 4—47040
Bukasa, B. Towards privatization of telecommunications in Zaire 4—29175
Bukharin, N.A., Yesepkina, N.A., Rogov, S.A. Effect of divergence of ultrasonic waves in the acoustic line of an acoustic-optic modulator on the spatial spectrum of a pulse radio signal 4—42436
Bukhgol'ts, V.P., Berdnikov, A.L., Berdnikov, M.L. Electrical drive for automated filling complexes 4—40364
Bukhman, A.I. *see* Gutnikov, V.S. 4—39227
Bukhman, V.E. Integral method of circuit approximation for approximate solution of boundary value problems 4—41019
Bukschnaitis, J. Some analytical dependences between the parameters of magnetic alternating field and the rotating field 4—40260
Buksha, Yu.K. *see* Pinneker, V.E. 4—39998
Bukzdorf, N.V. *see* Meerovich, E.A. 4—56378
Bulabois, J. *see* Courjon, D. 4—43400
Bulac, C. *see* Eremia, M. 4—56391
Bulat, L.P., Ladyka, R.B. Instabilities of the thermoelectric current and of the heat flux in a loaded thermoelement in the presence of high temperature gradients 4—57374
Bulatov, O.G., Labuntsov, V.A., Odyn', S.V. Methods and apparatus for thyristor turnoff 4—57152
Bulatov, O.G., Odyn, S.V., Shevchenko, A.G. Analysis of switching circuits for series switched thyristors 4—41514
Bulatov, Yu.I. *see* Petrov, Yu.A. 4—35009
Bulavko, A.A. *see* Adamenko, G.M. 4—32462
Bulavochkin, V.P. *see* Shakirov, M.A. 4—41467
Buldakov, S.B. *see* Bogdanov, V.G. 4—57131
Bulgakov, B.M., Kochin, V.N., Skresanov, V.N., Fisun, A.I., Shubnyi, A.I. Quasi-natural modes in a long groove in the plane mirror of a hemispherical open resonator 4—53202
Bulgakov, S.P., Gekht, B.M., Gundarov, V.P., Razumov, Yu.A. Provison of electromyographic equipment for polyclinics 4—39562
Bulgakova, L.V. *see* Bezruchko, B.P. 4—30275
Bulgakova, N.V. *see* Doverman, G.I. 4—34424
Bulgakova, N.V. *see* Shvarts, A.L. 4—40068
Bull, R.K. *see* Hashemi-Nezhad, S.R. 4—55873
Bulleit, D.A. Is there a TranstexT company in your future? 4—54241
Bullen, R. Trends in logic analysis systems 4—55180
Buller, G.L. *see* Freese, B.A. 4—52208
Buller, M.L., Yarlott, J.M. Automated thermal test system [for PC cards] 4—55192
Buller, T. *see* Walsh, J. 4—37252
Bullinger, H.J., Maciejewski, P. Interactive videotex scenarios for the year 2000 4—54180
Bullo, P. Treatment of urban solid refuse: alternatives, processes, costs 4—56717
Bullo, P., Flores, C., Morgana, G., Previ, A. ENEL's activity in the photovoltaic field 4—29131
Bulloch, C. The MLS order. A vast market opens up—or does it? 4—32871
Bulloch, C. DBS doubts: confusion and anxiety in satellite TV broadcasting 4—32903
Bulloch, C. Space communications move into the millimetre-wave bands 4—54678
Bulloch, C. Aerospace electronics in Italy 4—61873
Bullough, R. *see* Bowes, S.R. 4—62730
Bullough, R.I. *see* Bowes, S.R. 4—50129
Bullough, R.P. *see* Bagshaw, N.E. 4—57333
Bulski, J., Pawlicki, H. Super-audio telegraphy devices of TgFM system 4—43668
Bulski, J., Szlabs, S. Multi-channel telegraphy devices of TgC-240 system 4—43667
Bulson, J.M., Gabl, E.F., Lonngren, K.E. Radiation of a large amplitude longitudinal plasma wave from a conical antenna 4—59756
Bultheel, A. On the ill conditioning of locating transmission zeros in least squares ARMA filtering 4—53606
Bulyak, E.V. A theory of the transverse electron-ion instability of the bunch circulating in a storage ring 4—49053
Bunaiya, K. *see* Kartashev, I.I. 4—56597
Bundalo, Z.V. *see* Dokic, B.L. 4—41236
Bundell, J.H. *see* Velayudhan, C. 4—34675, 4—55621, 4—62254
Bundrock, A.J., Murphy, J.V. A broad-band 11 GHz radio propagation experiment 4—47592
Buner, V.B. *see* Ozernoi, N.F. 4—34684
Bung, W. *see* Oberender, W. 4—62384
Bunkin, F.V., Volyak, K.I., Shugan, I.V. Statistics of speckle in radar images of the sea surface, recorded in horizontal polarization 4—39720
Bunkin, F.V. *see* Boiko, V.A. 4—37259, 4—52918
Buntschuh, R.F. High power spacecraft system 4—56235
Bunzel, E., Fielder, M., Korting, R. Comparison of the results of classical calculations of the magnetic circuit of a permanent magnet excited synchronous machine with those of numerical field calculations 4—56977

Bunzel, E., Hauptmann, M., Kunckel, K.-H., Paulig, E., Schubert, P. Selected problems in measuring electric machines 4—56924

Buol, D.A. High-temperature wafer prober predicts yield problems early 4—40838

Buonaquisti, A.D. *see* Matson, R.J. 4—36334

Buraimoh-Igbo, L.A. *see* Kehinde, L.O. 4—44702

Burakov, A.M., Geller, P.L., Sinayuk, S.L., Tsvetkov, V.A. Electromagnetic forces in end-connection zone with distortion of end lamination assemblies of generator stator 4—34591

Burakov, A.M. *see* Geller, R.L. 4—34584

Burakov, V.S. *see* Basiev, T.T. 4—31365

Buralkov, A.A. Functional certitudes in safety devices 4—39947

Burch, W.D. Current status and directions for fast reactor reprocessing 4—40012

Burchett, G.L. Testing test equipment 4—45992

Burchett, R.C., Vierath, D.R., Happ, H.H. Reactive power planning of large scale systems 4—49565

Burciaga, D., Inda, A. Optimum active power constrained re-scheduling and load shedding to alleviate power systems operating constraints violations 4—39823

Burd, A.L. *see* Zinger, N.M. 4—40621

Burda, E.M. *see* Gumanovskii, B.Ya. 4—56916

Burda, J. *see* Richy, V. 4—49012

Burden, H.S. *see* Jamison, D.A. 4—37555

Burden, H.S. *see* Jamison, K.A. 4—42824

Burdette, E.G. *see* Perry, T.C. 4—49694

Burdette, E.L., Gordon, C.K. Available ocean wave power and prediction of power extracted by a contouring raft conversion system 4—62444

Burdette, H.E. *see* Spal, R. 4—56058

Burdzeiko, B.P. *see* Serdyukov, P.N. 4—53665

Bures, J., Lacroix, S., Veilleux, C., Lapierre, J. Some particular properties of monomode fused fiber couplers 4—31096

Bures, J. *see* Lacroix, S. 4—59187, 4—59229

Bures, K.D. *see* Baberschke, K. 4—47223

Burfeindt, H. A SSB transmit mixer and linear amplifier for 3456 MHz 4—43928

Burg, J.P. *see* Johnson, R.W. 4—47844

Burg, T.J. Development of guideway and conductor rail heating for people movers in a winter environment 4—62767

Burge, R.E. *see* Cheng, L.M. 4—32026

Burgel, K., Kunisch, H.-J. The use of new technologies and developments at the Bewag 4—40759

Burgel, K. *see* Bahde, C. 4—44976

Burger, A. *see* Pastrnak, J. 4—31209

Burger, G. *see* Jutting, U. 4—38064

Burger, I., Stepan, B. Floating-point analog A/D and D/A converters 4—51318

Burger, P., Lampert, M.O., Henck, R., Kemmer, J. Performance and application of room temperature silicon passivated ion-implanted X-ray detectors 4—33711

Burger, P. *see* Amoudry, F. 4—56021

Burgess, A.C., Magee, R.A., Melvin, G.E., Santillo, G.R. Fluid slitting of ceramic green sheets 4—30230

Burgess, D. *see* Watton, R. 4—55460

Burgess, D.C. *see* Hill, J.J. 4—53945

Burgess, D.D. A comparison of methods for baseline estimation in gamma-ray spectrometry 4—39492

Burgess, E.L. A perspective on future photovoltaic systems 4—50071

Burgess, J.F., Carlson, R.O., Glascock, H.H., II, Neugebauer, C.A., Webster, H.F. Solder fatigue problems in power packages 4—57841

Burgess, L.R. Adaptive array behavior in poor nulling regions 4—31792

Burgess, N., Damper, R.I. The inadequacy of the stuck-at fault model for testing MOS LSI circuits: a review of MOS failure mechanisms and some implications for computer-aided design and test of MOS LSI circuits 4—42149

Burgess, T. Interference control for electronic governors 4—59767

Burgess, T.J., Cowan, M. Multistage induction mass accelerator 4—42783

Burgess, T.J., Duggin, B.W. Multi-stage magnetic induction mass accelerator 4—37557

Burgett, J., Collura, J. Real time implementation of 16 kbs APC with hybrid quantization 4—59987

Burgett, W.S., Roemerman, S.D., Ward, P.W. The development and applications of GPS determined attitude 4—38733

Burggraaf, P. Instruments with wafer-mapping capability 4—46902

Burggraaf, P.S. Advances keep optical aligners ahead of industry needs 4—36364

Burggraaf, S. Process needs nurture equipment design 4—36647

Burgin, R. The development of tungsten filament lamps 4—62784

Burgkhardt, B. *see* Piesch, E. 4—61842

Burgkhardt, B. *see* Urban, M. 4—55893

Burgos, J. A data presenter (display) for a whole page 4—39074

Burgum, F. *see* Woodworth, A. 4—36566

Buric, M.R., Christensen, C., Matheson, T.G. The Plex Project: VLSI layouts of microcomputers generated by a computer program 4—35868

Buric, M.R. *see* Christensen, C. 4—35869

Buric, M.R. *see* Matheson, T.G. 4—35584

Burillo, V. *see* del Pozo, F. 4—49131

Buritskii, K.S., Zolotov, E.M., Kazanskii, P.G., Chernykh, V.A. Electrooptical modulator with coupled Ti:$LiNbO_3$ channel waveguides and $\Delta\beta$ electrodes 4—37172

Burk, D.E., de la Torre, V. An empirical fit to minority hole mobilities 4—51748

Burk, M.J. *see* Tran, D.C. 4—52630

Burkard, R.E. *see* Cuninghame-Green, R.A. 4—50716

Burkatskii, S.S. A TV signal generator 4—61412

Burke, A.J., Guglielmoni, P.B. AMRAAM BIT: operational benefits and penalties 4—46038

Burke, B.F. *see* Bennett, C.L. 4—54918

Burke, D.D., Andrews, L.C. A comparison of two polarity coincidence correlators 4—37974

Burke, E., Buist, R. Thermoelectric coolers as power generators 4—40502

Burke, G. British Telecom initiatives in electronic message services 4—43910

Burke, G.F. Two-dimensional algorithms for electric energy control 4—56493

Burke, J.C. *see* Merriam, R.L. 4—40624

Burke, L.D., Twomey, T.A.M. The influence of material dispersion on the redox behaviour of nickel oxide electrodes [secondary cells] 4—40382

Burke, M.E. *see* Batorsky, D.V. 4—54467

Burke, P.E. *see* Fawzi, T.H. 4—31589

Burke, R. *see* Auer, M. 4—61193

Burke, S. *see* Solomonow, M. 4—56196

Burker, U. *see* Schwabe, U. 4—30788

Burkert, E., Junger, K Design of a GaAs-FET power oscillator 4—41227

Burkey, B.C., Lubberts, G., Trabka, E.A., Tredwell, T.J. Channel potential and channel width in narrow buried-channel MOSFETs 4—36588

Burkey, B.C. *see* Lee, T.H. 4—37230

Burkhardt, E.G. *see* Liao, A.S.H. 4—37228

Burkhardt, H. *see* Arbter, K. 4—32069

Burkhardt, H. *see* Schorb, H. 4—38087, 4—53812

Burkhardt, S., Demmler, W. Text communication 4—43723

Burkhardt, Th. Optimal location of disconnections—an aid for the planning of MV-networks 4—56575

Burkhart, R.L. *see* McCrohan, J.L. 4—49151

Burkins, L. *see* Bergquist, J.C. 4—47436

Burkitt, A. Television is for the computer-literate 4—55020

Burkman, J.L., Felsenthal, H.R., Pratt, W.C., Meyer, T.O. A compact, reliable power supply for an advanced desktop computer 4—41193

Burkovskii, A.N., Golyand, B.S., Kublitskaya, T.V., Rodionenko, G.Ya. Calculation of degree of heating of the windings of a closed-slot asynchronous motor under starting conditions 4—45449

Burks, P. Terrain doctoring at 800 MHz 4—47587

Burlacu, V. *see* Cenusa, G. 4—35352

Burlage, D.W. *see* Clary, J.B. 4—46404

Burlaka, V.V., Grechanichenko, Yu.V. The effect of the degree of turbulence of the approach flow on a three-dimensional boundary layer 4—40116

Burlakov, M.V., Zharovskiy, S.N. Optimal data transmission rate in dispersed control systems 4—60527

Burlakov, M.V. *see* Bogaenko, I.N. 4—57595, 4—57597

Burlakov, M.V. *see* Spirin, A.Yu. 4—43480

Burley, N.A., Hobson, J.W., Paine, A. Nicrosil versus nisil type N thermocouple: A commercial reality 4—55445

Burmeister, W., Schmidt, J.W. Determination of the 'cone radius for positive concave operators 4—57960

Burnet, D.L. *see* Lambert, R.W., Jr. 4—56185

Burnet, G. *see* Page, R.H. 4—40750

Burnett, D.J. *see* Saraga, P. 4—60994

Burnett, J. *see* Huang, T.S. 4—38088

Burnett, R.O., Jr. Field experience with absolute time synchronism between remotely located fault recorders and sequence of events recorders 4—56702

Burnett, T.H. *see* Brown, J.S. 4—39487

Burnham, A. *see* Bryman, D. 4—33632

Burnham, C.A., Bradshaw, J., Kaufman, D., Chesler, D., Brownell, G.L. A stationary positron emission ring tomograph using BGO detector and analog readout 4—33815

Burnham, C.A. *see* Brownell, G.L. 4—44716

Burnham, D.W., Uberbacher, E.C. Axial polishing drum for fiber-optic connectors 4—31130

Burnham, N.Q., Cowling, C.F. Fault-tolerant software in real-time single-chip microcontroller systems [PABX application] 4—38393

Burnham, R.D. *see* Epler, J.E. 4—52981, 4—59493

Burnham, R.D. *see* Meehan, K. 4—31369

Burnham, R.D. *see* Paoli, T.L. 4—52951

Burnham, R.D. *see* Streifer, W. 4—47454, 4—52977, 4—59526

Burnley, K.G. The effect of temperature on the dielectric properties of high voltage stator bar insulation 4—59096

Burns, B.A. *see* Lyden, J.D. 4—61938

Burns, R.D. Attitude and acceleration performance in the flight control system 4—49385

Burns, W.K., Moeller, R.P. Polarizer requirements for fiber gyroscopes with high-birefringent fiber and broadband sources 4—52625

Burns, W.K. *see* Dandridge, A. 4—52623

Burns, W.K. *see* Villarruel, C.A. 4—52608

Burns, W.K. *see* Wang, C.C. 4—41260

Burns, W.R., Ewing, M.S. Radio astronomical synthesis arrays—real time processing needs 4—53586

Buron, A., Michell, J.A. Physical faults analysis in cell structures using Walsh functions 4—52303

Burov, J.I., Bransalov, K.P. Photodisplacement microscopy 4—49491

Burov, V.A., Dmitriyev, O.V., Tuikin, O.R. Joint optimization of radar transmitter and receiver sections 4—38682

Burov, V.F., Chernoverskii, A.G. Radiation from a dielectric-filled waveguide provided with a flange 4—37705

Burr, D.J., Ackland, B.D., Weste, N. Array configurations for dynamic time warping 4—31915

Burr, W.E., Carpenter, R.J. Wideband local nets enter the computer arena 4—43774

Burrage, L.M. The use of computer-based statistical programs in the analysis of paper/oil insulation system designs 4—36962

Burrer, G.J. Thermosense VI: conference scope 4—55242

Burrier, D. Advanced language leads to smoother designing with programmable logic 4—51112

Burrier, R., Mangiapane, R., Rhodes, J., Rhodes, J., Duris, R., Sabolis, C. Floating-point converter users hardware to get a 20-bit dynamic range 4—58399

Burrier, R.A., Claus, R.O. How to design and construct multielement ultrasonic transducers 4—62014

Burrier, R.A., Claus, R.O., Gray, J.W., O'Conner, W.T. Circularly symmetric Gaussian field transducer with equal impedance and equal voltage electrode design 4—56359

Burrier, R.A. *see* Gray, J.W. 4—52362

Burroughs, G.D., Apte, R.M. Topology reduction for CMOS and dynamic NMOS VLSI circuits 4—36900

Burrow, N.G. *see* Analouei, A.R. 4—41472

Burrows, C.R. *see* Beachley, N.H. 4—35007

Burrows, I.L.C. *see* Rys, A. 4—36269

Burrows, W.G. Distortion of a narrow radio beam in a convective medium 4—31671

Burrus, C.A. *see* Bowers, J.E. 4—37395, 4—52995

Burrus, C.A. *see* Coldren, L.A. 4—37362, 4—52996, 4—52997

Burrus, C.A. *see* Eisenstein, G. 4—52967

Burrus, C.A. *see* Lee, T.P. 4—37214, 4—53046

Burrus, C.A. *see* Liou, K.-Y. 4—53005

Burrus, C.A. *see* Miller, D.A.B. 4—53055

Burrus, C.A. *see* Stone, J. 4—52547

Burrus, C.A. *see* Tucker, R.S. 4—37422

Burrus, C.A. *see* Wood, T.H. 4—38655

Burrus, C.A., Jr. *see* Lee, T.-P. 4—42643

Burrus, C.S. *see* Heideman, M.T. 4—58000

Burrus, C.S. *see* Johnson, H.W. 4—50731

Burrus, C.S. *see* Shuni Chu 4—41487, 4—41488

Burshtein, A.S. Emergency excitation circuit of the generator of diesel locomotives of class TE3 4—45701

Bursik, A., Spindler, K., Blochl, H. Condensate polishing in mono-bed and counter current processes 4—34374

Bursky, D. CMOS microprocessors outpace NMOS 8086/8088 4—35843

Bursky, D. Mixed approach improves turnaround and density of semicustom chips 4—36697

Bursky, D. Digital-signal-processing chips move off the designer's wish list and into everyday use 4—41370

Bursky, D. Semiconductor technology [lithography equipment] 4—52173

Bursky, D. Semiconductor technology [etching and deposition] 4—52174

Bursky, D. Nonvolatile memories—en route to higher density, speed, and reliability—explore new processes, circuit refinements, and above all, CMOS 4—58308

Bursky, D. Floating-point processor computes 3D graphics in record speed 4—58358

Bursky, D. Fine-line CMOS process will soon be trimming feature sizes to 1 μm 4—59024

Burstein, M., Pelavin, R. Hierarchical channel router 4—50894

Burstein, M., Pelavin, R.N. Improved hierarchical system for global wiring in VLSI chips 4—52198

Burstein, P., Bjorkholm, P.J., Chase, R.C., Seguin, F.H. The largest and smallest X-ray computed tomography systems 4—35525

Burstyn, H.P. *see* Schwartz, J.D. 4—48032

Burt, P.J. *see* Adelson, E.H. 4—53834

Burton, B.A., Colegrove, G.A., Keenan, J.P., Jr. Simulated environment testing for embedded computer software 4—49366

Burton, D.K., Buck, J.T., Shore, J.E. Parameter selection for isolated word recognition using vector quantization 4—53510

Burton, D.K., Shore, J.E., Buck, J.T. A generalization of isolated word recognition using vector quantization 4−43282
Burton, J. Japan: the serious DBS setback 4−60757
Burton, J.M., Bylstra, J.A. Planning for digital network synchronisation 4−47991
Burton, L.C. Leakage currents in degraded multilayer ceramic capacitors 4−58565
Burtsev, V.A., Vasilevskii, M.A., Kozyuchenok, S.S., Rodichkin, V.A., Roife, I.M., Stekol'nikov, B.A., Tomashevich, V.P., Shanskii, V.F. Two-wave high-power CO_2 laser 4−59445
Burwell, B. *see* MacEwen, G.H. 4−54079
Burwood, P. Fibre optics give new control options 4−44124
Buryakov, V.L. *see* Belousov, G.D. 4−49080
Busarello, L. *see* Dursteler, A. 4−44950
Busby, F. Undersea vehicles 1970-1983: new directions/solid achievements 4−61964
Busby, K.O., Bergeron, G.L., Condon, J.J., Killian, K.W., Rhinewine, M., Fliflet, A.W., Lee, R., Read, M.E. $TE_{1,n}$ gyrotrons 4−36208
Busby, K.O., Fliflet, A.W., Read, M.E. Slotted gyrotron cavities 4−41778
Busca, G. *see* Prost, L. 4−52825
Buscaglia, C.U. Compare scheme for Schottky-coupled cell that allows compare while write 4−29862
Buscaglia, C.U., Knepper, L.E. Write select scheme for Schottky-coupled cell with early upper word-line deselect 4−29863
Busch, D.D. Does your business need an electronic mail system? 4−32274
Busch, G., Rohstock, M., Militzer, K.E. Experience in the development and operation of a measuring system for the recording of local temperatures in apparatus with fast-moving parts 4−55730
Busch, G.E. *see* Vavra, P.C. 4−53809
Busch, S.T., Fairchild, K. An objective means of evaluating ATE vendors 4−29179
Busch, W.S. *see* Keach, D.L. 4−61966
Busch-Vishniac, I.J. Response of an edge-supported circular membrane electret earphone. I. Theory 4−33036
Busch-Vishniac, I.J. Response of an edge-supported circular membrane electret earphone. II. Experimental results 4−33037
Buschauer, P. *see* Kruger, M. 4−30830
Buschbom, K.-D. *see* Boog, E. 4−44944
Buschman, H.W., McConnell, R.J. Issues in the selection of the LMFBR steam cycle 4−40037
Buser, E. *see* Tiefenthaler, K. 4−37097
Buser, P. On the bipartition of graphs 4−57921
Bush, D.R. *see* Paul, C.R. 4−59714
Bush, I.J. *see* Furlong, S.C. 4−59204
Bush, J. *see* Mier, E.E. 4−60382
Bush, M.A., Kopec, G.E., Lauritzen, N. Segmentation in isolated word recognition using vector quantization 4−59974
Bush, M.E. LMOSII−a logic simulator for MOS integrated circuits 4−35764
Bush, M.W. Changing demographics: Women in engineering's future 4−35179
Bushanskii, P., Milenin, N.K. Fully semiconductor TV cameras 4−61046
Bushell, C. Safety at block post signalling by radio connections 4−43639
Bushell, C. Birmingham Maglev line lifts off 4−50158
Bushell, M., Manriquez, R., Merkel, G., Scharf, W.D. Aurora test cell electron beam environment−response of large loop 4−31691
Buskey, J.H., Hester, R.L. All-inclusive SRL parity checker for use in LSI designs 4−51147
Busschaert, H. *see* Sansen, W. 4−33213
Busse, L. *see* Czeratzki, A. 4−49753
Busse, W., Larson, J.D., Michaelsen, R., Pelzer, W., Renner, D., Spellmeyer, B., Ziegler, K. Progress of the VICKSI-tandem injector project 4−33562
Bussieres, P. *see* Missout, G. 4−45001
Busso, L. *see* Beninati, A. 4−51037
Bussolino, L., Bouchez, J.-P. Design and manufacturing of a Heat Rejection System for advanced thermal control 4−44816
Bustamante, L.A. Frequency determinator 4−39035
Busti, T. *see* Raseta, M. 4−56971
Busujima, H. *see* Kuroha, M. 4−42492
But, D.A., Kulikov, N.I. Electric motors with elastically mounted rotors 4−56917
But, D.A., Kulikov, N.I. Elastically secured rotor motors 4−57076
Butani, N.L. *see* Kapur, P.K. 4−57875
Butcher, J. Government policy and its implementation [for telecommunications] 4−43534
Butcher, J.B. *see* Das, K. 4−41962
Butcher, M.E. Offset Gregorian small earth station antenna with low sidelobes 4−37736
Butcher, P.M., Fox, T.N. A simulator for radio communications in the battlefield environment 4−38437
Butcher, P.N. *see* Summerfield, S. 4−51739
Butikofer, J.-F. The Marsens broad-band communications pilot network. II 4−32799
Butikofer, J.-F. The Marsens wideband communication pilot network 4−38148
Butikofer, J.-F. Broad-band communication pilot network 4−38648
Butikofer, J.-F. *see* Trachsel, R. 4−60623
Butinaviciute, E. *see* Cesnys, A. 4−58751
Butkovic, Z. Analysis of a bipolar transistor for higher collector voltages 4−58907
Butkovskii, A.V., Dynnikova, G.Ya. Mode structure of a Fabry-Perot resonator of a gasdynamic CO_2 laser 4−31408
Butland, J. *see* Bowron, P. 4−29613
Butland, J. *see* Fritsch, F.N. 4−40990
Butler, C.M. Current induced on a conducting strip which resides on the planar interface between two semi-infinite half-spaces 4−37532
Butler, C.M. *see* Harrison, C.A. 4−47679
Butler, C.M. *see* Karunaratne, M.D.G. 4−59737
Butler, C.M. *see* Wilton, D.R. 4−37516
Butler, C.M. *see* Zbontar, T. 4−46651
Butler, D.E., Deaton, I.V. From early flight trainers to modern utility power plant simulation 4−56238
Butler, H.P., White, D.C. Microprocessor control achieves design flexibility for video production switcher 4−32955
Butler, J.K., Ackley, D.E., Botez, D. Coupled-mode analysis of phase-locked injection laser arrays 4−53001
Butler, J.K., Botez, D. Lateral mode discrimination and control in high-power single-mode diode lasers of the large-optical-cavity (LOC) type 4−59534
Butler, L. *see* Duffy, R.E. 4−40183
Butler, P.C., Miller, D.W. Zinc/bromine prototype batteries evaluation 4−40374
Butler, R.C. *see* Charalambous, P.M. 4−39424
Butler, R.E. World Communications Year (WCY), 1983: development of communications infrastructures 4−32157
Butler, R.E. Presentation of the ITU/OECD synthesis report−'Telecommunications for Development' 4−53993
Butler, R.E. From basics to ISDN 4−54063
Butler, R.E. Informatics and telecommunications 4−60289
Butler, R.E. The International Telecommunication Union and the formation of information transfer policy 4−60368
Butler, R.S., Strickland, J.I., Bilodeau, C. VHF and UHF propagation in the Canadian High Arctic 4−31673
Butler, S. *see* Cogan, A. 4−36056
Butler, S.R. *see* Tsai, H.L. 4−30543
Butlin, R.S. *see* Suckling, C.W. 4−30064
Butman, S.A. *see* Truong, T.K. 4−48498
Butner, C.I., Viehmann, W. Quantum efficiency measurements for several waveshifter coatings in the extreme vacuum ultraviolet 4−52783
Buts, V.A., Ognivenko, V.V. Stochastic instability of the motion of particles in free-electron lasers 4−42503
Buttafava, P., Ciardiello, G., Piano, M. Effects of thickness and magnetic properties of double layer media on perpendicular recording characteristics 4−37019
Butter, E. *see* Knobloch, G. 4−35488
Butterfield, J.M., Knights, C.J., Norfolk, D.J., Abbott, D.G. A longer moderator life for advanced gas cooled reactors 4−62316
Butterweck, H.J., van Meer, A.C.P., Verkroost, G. New second-order digital filter sections without limit cycles 4−30022
Butterworth, J.C. *see* Conrad, G.M. 4−36071
Butterworth, J.C. *see* Reedy, E.K. 4−44167
Butterworth, M. A versatile and inexpensive EEPROM 16K programmer 4−35779
Butti, C., Raymond, A., Masse, G. Conductivity anisotropy in α-HgS 4−46835
Button, K.J. *see* Asfar, M.N. 4−41137
Button, L.R. *see* Dodds, D.E. 4−31825
Butts, J.R., Lewis, J.E., Steward, F.R. Microwave heating of New Brunswick oil shale 4−40601
Butts, R.R. Analysis of phase measurement algorithms utilizing two-beam interference 4−61557
Butts, R.R., Cusumano, S.J., Fender, J.S., DeHainaut, C.R. A concept for a phased array laser transmitter 4−59661
Buus, J., Adams, M.J. Influence of gap width on mode discrimination in cleaved coupled cavity lasers 4−47457
Buus, J. *see* Adama, M.J. 4−31409
Bux, W. Flow control technique for local networks of interconnected token rings 4−32487
Bux, W., Closs, F., Kummerle, K., Keller, H., Muller, H.R. Architecture and design considerations for a reliable token-ring network 4−48250
Bux, W. *see* Rudin, H. *(editor)* 4−48272
Buyse, H. *see* Thiry, J.M. 4−49863
Buyse, H. *see* Van Hulse, J. 4−34634
Buyukaksoy, A. *see* Idemen, M. 4−47577
Buyukkoc, C. *see* Varaiya, P. 4−46168
Buzinov, V.S., Belyakova, G.M., Leibovich, R.L., Melekhov, M.E. Comparison of field-strength meters having dipole and horn antennas at a frequency of 1000 MHz 4−55615
Buzo, A. *see* Kuhlmann, F. 4−37910
Buzzelli, E.S., Berk, L.B., Demczyk, B.G., Zuckerbrod, D. Storage battery aspects of air electrode research 4−40424
Bychikhin, Yu.Z. *see* Ratynskiy, M.V. 4−31781
Bychkov, B.N., Dambit, V.A., Kalinin, N.A., Kuznetsov, N.N., Romashov, B.A., Timofeev, B.S. Microprocessor system for automatic color TV camera set-up 4−61045
Bychkov, V.P. *see* Kaidalov, A.A. 4−45780
Bychkov, Yu.I., Orlovskii, V.M., Osipov, V.V., Poteryaev, A.G. Miniature pulsed CO_2 laser with a sealed-off electron source 4−52895
Byckling, E., Nurmi, R. Coding of data for laser recorders 4−32015
Bydzovsky, J., Hegyi, S. A two-dimensional magnetostatic model of bubble propagation pattern using surface magnetic charges 4−47204
Bye, R.L. *see* Chang, C.F. 4−59134
Byer, N.E., Davis, G.D., Buchner, S.P., Ahearn, J.S. Insulator interfaces with $Hg_{1-x}Cd_xTe$ 4−30560
Byer, N.E. *see* Beck, W.A. 4−37218
Byer, N.E. *see* Natan, M. 4−30425
Byer, R.L. Stable single-axial-mode operation of a high-power Nd-YAG oscillator by injection locking 4−37353
Byer, R.L., Kuhn, K., Reed, M., Trail, J. Progress in high peak and average power lasers for soft X-ray production 4−53119
Byer, R.L. *see* Eggleston, J.M. 4−37344
Byer, R.L. *see* Fan, Y.X. 4−59588
Byer, R.L. *see* Park, Y.K. 4−31354
Byerly, J.L., Danly, B.G., Kreischer, K.E., Woskoboinikow, P., Mulligan, W.J., Temkin, R.J. Harmonic emission from high frequency gyrotrons 4−41772
Byers, E.J. How tape works [audio] 4−38968
Byers, T.J. Electronic ties that bind [local-area networks] 4−48217
Byers, T.J. Memories that don't forget [nonvolatile static RAMs] 4−58300
Byers, T.J. New low cost modems 4−60570
Byers, T.J. How to make your computer's memory non-volatile 4−62131
Byfield, P. Modular technique: off the peg [audio power amp] 4−38983
Bykhovskaya, O.V. *see* Zhezhelenko, I.V. 4−56402
Bykhovskii, I.Yu. *see* Shaternikov, V.E. 4−35545
Bykov, A.M., Volyar, A.V., Gnatovskii, A.V., Savchenko, V.N. A holographic correction of light polarization in the exit of the fibre light guides 4−47290
Bykov, V.A. *see* Pilin, B.P. 4−35556
Bykov, V.E. *see* Rasulov, T.M. 4−34720
Bykov, V.V., Terekhova, O.I., Khesin, A.Ya. The use of microprocessors in TV cameras 4−38834
Bykovskii, A.Yu. *see* Belenov, E.M. 4−30471
Bykovskii, Yu.A., Zuev, V.V., Kiryukhin, A.D., Manykin, E.A. Dramatic increase in the resistance of silicon through extremely precise compensation 4−51768
Bykow, W.L., Liebsch, W. Dubna international experimental complex for the Intercosmos programme 4−44035
Bylanski, P., Chong, T.W. Advances in speech coding for communications 4−43261
Bylinsky, G. High tech hits the TV set 4−38826
Bylsma, R.B. *see* Kolodziejski, L.A. 4−58015
Bylstra, J.A. *see* Burton, J.M. 4−47991
Bynum, B.G., Cave, D.L. A power BiMOS with integral high current PNP transistor 4−52236
Byoung Goo Min *see* Hoon Kang 4−47857
Byrd, P.F., Stalla, L. Chebyshev quadrature rules for a new class of weight functions 4−29402
Byr'ka, V.F., Tomilin, N.F., Peters, I.V. Characteristics of a device for checking insulation in mine electrical circuits with thyristor converters 4−62252
Byrne, C.L., Fitzgerald, R.M. Some new approaches to one and two dimensional power spectrum estimation 4−37993
Byrne, D.J. Development of an automatic test system for MOS devices 4−33139
Byrne, H.M. Review summary of the URI satellite sea surface temperature workshop September 1982 4−56326
Byrne, M., Wynne, J. Quad voltage-output DAC trims the offsets of up to four op amps 4−58397
Byrne, M. *see* Minouge, P. 4−51323
Byrne, P.F., Cheung, N.W. Megavolt ion implantation into silicon 4−51977
Byrne, W.W. The meaning of electrostatic discharge (ESD) in relation to human body characteristics and electronic equipment 4−37526
Byron, S.R. *see* Znotins, T.A. 4−53043
Bysheva, G.K. *see* Chernyshev, V.P. 4−49074
Bystritskii, V.M., Rudenko, A.I., Suvorov, V.M., Khovanskii, N.N., Khomenko, B.A. Sampling of events in research experiments on mu-atomic and mesomolecular processes 4−39482
Bystritsky, V.M., Dzhelepov, V.P., Gula, A., Wozniak, J., Zinov, V.G. Calculation of neutron registration efficiency for experimental investigation of $tt\mu \rightarrow {}^4He+2n+\mu^-$ and $dt\mu \rightarrow {}^4He+n+\mu^-$ muon-catalysed fusion reactions 4−55810
Bystrov, P.I. *see* Apollonov, V.V. 4−37413

Bystrov, V.P., Vavilin, A.V., Kapustin, P.A., Kravtsov, Yu.A., Maryshev, A.P., Musaev, E.K., Petnikov, V.G., Sabirov, O.I., Slavinskii, M.M., Smirnov, S.Yu. Multichannel measuring system for acoustic sounding of the ocean 4—56305
Bystrova, E.S. *see* Al'tman, A.B. 4—30148
Byun, D. *see* Namkung, W. 4—30270
Byun Gi-Sig *see* Gi-Sig Byun
Byung Kwan Park, Sung Yang Bang The study on a main memory system with ECC capability based on IEEE-796 bus 4—47763
Byung-Chul Kim, Dong-Sub Cho, Hee-Yeung Hwang Computer-aided design of sequential logic circuits (case of asynchronous sequential logic circuits) 4—46411
Byung-Moon Cho *see* Jong-Keun Lee 4—62233
Byung-Tai Kim *see* Hyung-Boo Kang 4—47439

Cabagnols, I. *see* Boutin, N. 4—31991
Cabal, J. Skoda 15 Tr articulated trolleybus 4—45693
Cabanel, J.P. *see* Chaillet, B. 4—54434
Cabanes, J. *see* Malboysson-Correcher, E. 4—50462
Cabannes, J.L. *see* Olivon, G. 4—45254
Cabestany, J., Castaner, L. Solar cell electrical behaviour analysis by dark I(V) measurement and numerical treatment 4—34916
Cabestany, J., Garcia, J., Closas, L. Power transistors 4—47008
Cabezas, R.A., Foster, R.A. Cable conductor identification circuit 4—51573
Cabo, C. *see* Hernandez, C. 4—49239
Cabral-Prieto, A. *see* Jimenez-Dominguez, H. 4—33777, 4—61346
Cabrita, C.M.P. Monophase power converters. Calculation & analysis of the power factors 4—62605
Cabrita, C.Manuel Pereira *see* Manuel Pereira Cabrita, C.
Cacciari, M. *see* Loggini, M. 4—49950
Cachon, R.P., Jarvis, E.J., Messina, G.P. Method and apparatus for maintaining calibration of a mask-to-wafer alignment 4—30488
Cachon, R.P., Messina, G.P. Non-contact displacement measurement system having one microinch resolution 4—55319
Cacopardi, S. *see* Bicocchi, R. 4—38013
Cade, R., Bello, D.S. Static surface charge on current-carrying conductors 4—31571
Cadien, K.C., Losee, D.L. A method for eliminating hillocks in integrated-circuit metallizations 4—36693
Cadierno, M. *see* Antuenz, F. 4—49254
Cadieu, F.J., Cheung, T.D., Wickramasekara, L., Aly, S.H. Magnetic properties of a metastable Sm-Fe phase synthesized by selectively thermalized sputtering 4—30964
Cadman, M.H. *see* Anthony, E.J. 4—34440
Cadman, P.J. An introduction to data communication 4—54449
Cadoz, C., Luciani, A., Florens, J.-L. Gesture, instrument and musical creation: the system ANIMA/CORDIS 4—44349
Cady, F.M. *see* Bates, R.H.T. 4—43432
Cadzow, J.A. SVD representation of unitarily invariant matrices 4—47841
Cadzow, J.A., Bronez, T.P. Time series identification: an annihilation filter approach 4—37989
Cadzow, J.A., Solomon, O.M. ARMA system identification: An algebraic approach 4—53360
Cadzow, J.A., Solomon, O.M., Stearns, S.D. ARMA system identification via an induced rank deficient data matrix 4—37968
Cadzow, J.A. *see* Bronez, T.P. 4—60052
Cadzow, J.A. *see* Solomon, O.M. 4—53752
Cafarella, J.H. Wideband signal processing for communication and radar 4—38014
Cafaro, G., Corsi, F., Vacca, F. Reliability analysis of complex systems using Markov models and parallel algorithms [power system reliability] 4—34080
Cafaro, G., Pugliese, P., Vacca, F. Diakoptical solution of electrical power systems using distributed multiprocessors 4—34088
Cafaro, G., Pugliese, P., Vacca, F. Parallel solution of torn networks 4—62142
Caffaro, M.Angeles Grado *see* Angeles Grado Caffaro, M.
Caffaro, M.Grado *see* Grado Caffaro, M.
Caffrey, M.P. Data communications 4—48230
Cage, M.E., Field, B.F., Dziuba, R.F., Girvin, S.M., Gossard, A.C., Tsui, D.C. Temperature dependence of the quantum Hall resistance 4—58776
Cagigal, N.Perez *see* Perez Cagigal, N.
Cagle, G.C. *see* Whang, K.W. 4—32624
Cagnetta, A.C., Kettler, D.J., Nobile, P.A. A new look at coal-fired unit size selection . . . is bigger better? 4—49755
Cahana, D., Assal, F. Power efficient communications satellite configuration for small mobile systems 4—32776
Cahen, D., Mirovsky, Y., Tenne, R. Photoelectrochemical solar cells using ternary chalcogenides 4—40370
Cahill, B. *see* Moore, D. 4—48649
Cahill, G.J., Germinaro, B.D., Martin, D.L. Economic comparison of cogeneration/combined-cycle alternatives for industry 4—49737
Cai, L.Z. *see* Zhang, Y.W. 4—42727
Cai, S.Z., Yngvesson, K.S. Broadband slot-ring balanced mixer for millimeter waves 4—36069
Cai Luzhong Observation and multi-images of holograms 4—59640
Cai Mao-cheng *see* Mao-cheng Cai
Cai Miaoquan *see* Xu Zuyan 4—31340
Cai Peihua *see* Sha Guohe 4—37316
Cai Xiaohong *see* Ma Shusen 4—59411
Cai Yingshi *see* Gong Desheng 4—31305
Cai-tu Shi *see* Shi Cai-tu
Cailai Yuan *see* Yuan Cailai
Cailleux, B. Anti-collision radar at sea 4—60938
Cailloux, M. *see* Fort, B. 4—55226
Cain, D.G. Emergency response capabilities—past and present 4—34282
Cain, G.D. *see* Neri, G. 4—43759
Cain, G.J. *see* Fidge, C.J. 4—47943
Cain, J.T., Langdon, G.G., Jr., Varanasi, M.R. The Model Program in Computer Science and engineering Project 4—35190
Caines, P.E. *see* Ng, S.K. 4—43046
Cairanti, S. *see* Brand, C. 4—33639
Cairne, D. Relays change to meet market 4—30158
Cairns, J.L. Recent advances in underwater metastable electrical connectors 4—58603
Caithness, W. Diamond machining for laser beam optics 4—31424
Calabrese, D. *see* Thomas, R.W. 4—42135
Calabrese, M. *see* Barberis, G. 4—32081, 4—43489
Calabretta, L., Migneco, E. Study for a beam bunching system at LNS 4—33596
Calandra, E.F., Martines, G., Sannino, M. Characterization of GaAs FETs in terms of noise, gain, and scattering parameters through a noise parameter test set 4—36593
Calawa, A.R. *see* Brown, A.S. 4—51819
Calawa, A.R. *see* Hsieh, K.H. 4—58937
Calawa, A.R. *see* Palmateer, S.C. 4—51939
Calawa, A.R. *see* Vojak, B.A. 4—52072
Calcar, H.Van *see* Van Calcar, H.
Caldas Pinto, J.R., Wellstead, P.E. Self-tuning filtering and prediction for two dimensional data 4—53786
Calder, I., Naguib, H. Processing integrated circuits with a laser 4—30709
Calder, I.D. *see* Scanlon, P.J. 4—36460
Calder, R.W. *see* Wilbur, C.H. 4—49677
Calderon, J. *see* Etayo, A. 4—49274
Calderon, J.L., Avila, M.A. Real-time computer system for the national energy control center of Mexico 4—39831
Calderwood, J.H. *see* Adamec, V. 4—61501
Caldon, R. Optimizing the power capacity of cogeneration plants for independent electrical and heat demands 4—34438
Caldon, R. *see* Bagatin, M. 4—50232
Caldwell, J. The vector potential for a thick solenoid in the presence of iron 4—53188
Caldwell, J., Zisserman, A. Magnetostatic field calculations involving iron using an eigenfunction expansion 4—31578
Caldwell, J., Zissermann, A. A note on the inclusion of axial shields in a potential vector field solution for superconducting magnets 4—52516
Caldwell, J. *see* Saunders, R. 4—50676
Caldwell, P.J. *see* Laidig, W.D. 4—31368
Calecki, D. *see* Fishman, G. 4—41876
Calero, A. *see* Garcia, N. 4—53923
Calhoun, C., Jones, P.S., Lucky, R.W., Morgan, M.G., Winner, L., Bugliarello, G., Gardner, R.M. Beyond 1984: technology and the individual—Lifestyle 4—50300
Calhoun, M. *see* Lee, C.E. 4—50920
Calhoun, M.D. *see* Lee, C.E. 4—60777
Cali, A.V. Design of a high precision current source 4—58143
Calikoglu, D. One-shot debounces pushbuttons 4—29736
Calinski, D. Ultrasonic welding for automated assembly 4—49490
Calise, A.J. *see* Price, D.B. 4—49365
Calixto, S., Lessard, R.A. Real-time holography with undeveloped dichromated gelatin films 4—53087
Calka, A. *see* Mucha, J.M. 4—47170
Call, M.G., Corner, G.W., Grindel, D.R. Phase-locked loop center frequency adjustment system 4—35698
Call, M.G., Grindel, D.R. Automatic center frequency adjustment for phase-locked loops 4—41256
Calla, O.P.N. Microwave sensors (present and future) 4—61897
Callahan, J.T. *see* Currie, N.C. 4—55658
Callahan, K., Ricci, G. Choose compatible packaging for your semicustom chips 4—57829
Callan, P.C., Gallerie, R.J., Sanderson, H.C., Miller, W.J. Modern display and storage of large steam turbine-generator data 4—61210
Callarotti, R.C., Gallo, A. On the solution of a microstripline with two dielectrics 4—42899
Callarotti, R.C., Schmidt, P.E. Theoretical and experimental study of the operation of ovonic switches in the relaxation oscillation mode. II. The discharging characteristics and the equivalent circuits 4—41665
Callarotti, R.C. *see* Schmidt, P.E. 4—41664
Callas, G.P., Denery, D.G., Hardy, G.H., Nedell, B.F. Flight evaluation results from the general-aviation advanced avionics system program 4—49387
Callatay, B.de *see* de Callatay, B.
Callegher, E. *see* Pian, G. 4—29409
Calleja, E. *see* Izpura, J.I. 4—33426
Calleja, M.J., Lopez Romero, S., Luque, A. Bifacial cell of p^+in^+ behaviour 4—34913
Calleja, M.J., Luque, A., Lopez Romero, S. Comparison of high and low injection cells for bifacial illumination 4—57362
Calleja, M.J. *see* Sala, G. 4—34924, 4—34925
Calleja Pardo, E. Light emitting diodes: technology, applications and future prospects 4—59358
Callens, P. SDLC adapter multiplexer 4—43915
Callens, P. Transmission sharing system 4—48235
Callister, R.C. Date display in European format using American digital clock chips 4—29964
Calloway, T.M. *see* James, L.T. 4—61979
Callsen, H. Fin-line PIN-diode attenuator and switch for the 140 GHz range 4—36166
Calo, V.J. Voice messaging: a new investment 4—60399
Caloba, L.P., Bezerra, F.C.V., Dias, R.J. Synthesis of RC-3TN transfer functions using input feed-forward techniques 4—35598
Caloba, L.P. *see* de Queiroz, A.C.M. 4—35937
Caloi, C. Motorola 6800 series microprocessors and their peripherals 4—35825
Calovic, M.S. The use of under-load tap-changing transformers in voltage and VAR flow controls 4—34705
Calovic, M.S. Automatic generation control: decentralized area-wide optimal solution 4—39794
Calovic, M.S. Modeling and analysis of under load tap changing transformer control systems 4—57126
Calu, S. *see* Le Brozec, P. 4—54607
Calu, S. *see* Le Mouel, B. 4—54739
Calvaer, A.J., Van Geert, E. Quasi steady state synchronous machine linearization around an operating point and applications 4—56964
Calvet, J. *see* Cavan, J.C. 4—42333
Calvet, J.L. *see* Lefevre, T. 4—56494
Calvo, A.B. *see* Veatch, M.H. 4—49427
Calzadilla, O. *see* Vigil, O. 4—62709
Camacho, S., Peralta-Fabi, R., Lira, J., Laville, A. Pseudocolor techniques for differentiation of nuclear tracks 4—55909
Camacho, S. *see* Perez-Preaza, J. 4—55886
Camana, P. *see* Campbell, M. 4—44000
Camani, M. *see* Ceppi, P. 4—34514
Camaratta, F., Goldberg, J. Static and fatigue post-buckled behavior of composite shear panels in the ACAP design 4—58077
Camarda, C.J., Basiulis, A. Radiant heating tests of several liquid-metal heat-pipe sandwich panels 4—33948
Camarda, P. *see* Marsan, A.M. 4—32134
Camargo, E. *see* Perichon, R.A. 4—30098
Cambanis, S. *see* Masry, E. 4—43059
Camblor, P., de las Heras, C., Vieira, S. Three terminal capacitance method for piezoelectric coefficients measurement 4—44588
Cambria, P. Your rectifier: how to make it last 4—29667
Camejo, N. Coastal zone energy management: a multidisciplinary approach for the integration of solar electric systems with Florida's power generation system 4—40140
Camejo, N. Florida's electric industry and solar electric technologies 4—40165
Camensig, C., Freda, C., Scalcino, S. A computerized method for the reliability evaluation of an electrical plant 4—49501
Cameron, D.C., Foreman, B.J. The correlation of channel mobility with interface state measurements on InP MOSFET structures 4—46885
Cameron, D.P. Apparatus for locating particles on a blank wafer in a scanning electron microscope 4—51955
Cameron, H.U. Repair of spinal nonunions with a pulsed DC stimulator 4—56148
Cameron, L.E. *see* Baumert, R.J. 4—29783, 4—35906
Cameron, R.F., McKee, S. Product integration methods for second-kind Abel integral equations 4—50724
Camici, P. *see* Coppini, G. 4—44718
Camin, D. *see* Perez Ferreira, E. 4—33564
Camion, P.F. Construction of large irreducible polynomials over finite fields 4—41004
Camisa, R.L., Taylor, G., Reichert, W., Cuomo, F., Brown, R. A flip-chip GaAs power FET with gate and drain via connections 4—36844

Camlibel, L., Chin, A.K., Guggenheim, H., Singh, S., Van Uitert, L.G., Zydzik, G.J. Fabrication of low dark-current planar photodiodes using an open-tube method for Zn diffusion into InP and $In_{0.53}Ga_{0.47}As$ 4—52797
Camlibel, I. *see* Chin, A.K. 4—52816
Camlibel, I. *see* DiGiuseppe, M.A. 4—50783
Camm, D.M. *see* Curzon, F.L. 4—42441
Camon, H. *see* Martinez, J.P. 4—52026
Camp, L. Manufacturability is the key to packaging success 4—33338
Camp, P.G. Protecting transformers with PTC thermistor devices 4—36086
Campagne, J.P., Favrel, J. Automatic elaboration of assembly ranges by methodical analysis 4—35287
Campagnolo, C. Preamplifiers 4—35665
Campagnolo, C. The transistors in audio frequency circuits 4—38955
Campana, M. *see* Palmier, J.F. 4—36322
Campana, S.B. *see* Blumenthal, A.H. 4—55251
Campanella, M., Lo Faso, U., Mamola, G. Optimum pulse shape for minimum spectral occupancy in FSK signals 4—59919
Campanella, S.J., Inukai, T. Satellite switch state time plan control 4—38515
Camparada, B. *see* Baroggi, M. 4—29208
Campbell, A.B. *see* Shapiro, P. 4—29856
Campbell, B. 64K DRAM board 4—35794
Campbell, B. 16 channel A/D converter 4—41412
Campbell, B. *see* Jones, J.R. 4—62597
Campbell, C.K. Simplified computer-aided fabrication of SAW transducer pattern masks 4—52380
Campbell, C.K., Edmonson, P.J., Papa, J.S. Multi-band SAW filter design using the REMEZ exchange algorithm 4—52383
Campbell, C.K. *see* Naraine, P.M. 4—52405
Campbell, C.K. *see* Sferrazza Papa, J.N. 4—59115
Campbell, C.R.W., Reineck, K.M. A novel prewarping technique for the design of wideband SC filters 4—35961
Campbell, D.C. City-wide networking made easy [telephony] 4—38376
Campbell, D.N. *see* Spangler, G.E. 4—50451
Campbell, D.R., White, J.F. Method of fabricating gold interconnections with tantulum-coated vertical and horizontal surfaces 4—30565
Campbell, G. Optimal selection based on relative ranks of a sequence with ties 4—46088
Campbell, G.K., Hall, J.R., II Integrated security system definition 4—35262
Campbell, H.E. *see* Williams, J.A. 4—56590
Campbell, J. High-performance single-chip microcomputers in HMOS and CMOS technology 4—41391
Campbell, J., Zannoli, S. New applications for an EPROM-based microcomputer 4—58363
Campbell, J.A., Leandri, M. The effects of high pass filters on computer-reconstructed evoked potentials 4—39564
Campbell, J.C., Dentai, A.G., Holden, W.S., Kasper, B.L. High-speed InP/InGaAsP/InGaAs avalanche photodiodes 4—37224
Campbell, J.C., Dentai, A.G., Holden, W.S., Kasper, B.L. High-speed operation of InP/InGaAsP/InGaAs avalanche photodiodes 4—52808
Campbell, J.C. *see* Kasper, B.L. 4—59337
Campbell, J.C. *see* Levine, B.F. 4—47345
Campbell, J.C. *see* Linke, R.A. 4—44088
Campbell, J.J., Clark, P.E., McShane, I.E., Wakeley, K. Strains on motor endwindings 4—34657
Campbell, J.K., Ellis, J., Jordan, J.F. Pathfinder: a technique for improving the targeting accuracy of Giotto 4—49356
Campbell, J.L. *see* Malm, H.L. 4—61673
Campbell, J.L. *see* Simpson, J.J. 4—55815
Campbell, J.S. *see* Lyden, C. 4—36614
Campbell, L.L. Minimum information divergence estimation with inaccurate side information 4—43053
Campbell, M., Camana, P. Integrated tactical communications signal processing architecture developments [for avionics systems] 4—44000
Campbell, M.C. *see* Schmidt, M.P. 4—29946
Campbell, M.D. Dixie Valley, Nevada: a promising geothermal area under development by industry 4—34270
Campbell, M.L. *see* Dillard, P.A. 4—40464
Campbell, P.H., McInerney, W.F. The use of control interface devices with multihandicapped individuals with cognitive dysfunction 4—56169
Campbell, P.M., Aina, O., Baliga, B.J. Enhanced protection of GaAs against thermal surface degradation by encapsulated annealing in an arsine ambient 4—46809
Campbell, P.M. *see* Sears, A.R. 4—36544
Campbell, R. *see* Greenop, D. 4—43490
Campbell, S.A. *see* Preckshot, N.E. 4—30765, 4—36830
Campbell, S.D., LaFrey, R.R. Flight test results for an experimental GPS C/A-code receiver in a general aviation aircraft 4—61879
Campbell, S.E. *see* Frensley, W.R. 4—58547
Campbell, W.E. *see* Aronstein, J. 4—41676
Campbell Finman, L. *see* Thompson, A.C. 4—56095
Campbell Finman, L. *see* Zeman, H.D. 4—56094
Campello de Souze, M.M., Farrell, P.G. Binary anticode construction using graph theory 4—43141
Campello de Souze, R.M., Farrell, P.G. A root-finding algorithm for polynomial idempotents with application to cyclic codes 4—43169
Campenhout, J.Van *see* Van Campenhout, J.
Campet, G., Jakani, M., Doumerc, J.P., Claverie, J., Salvador, P. Photoelectric processes in rare-earth titanates doped with Cr^{3+} 4—37204
Campillo, B. *see* Sanchez, A. 4—49247
Campisano, S.U. *see* Baeri, P. 4—58824
Campo, J.Del *see* Del Campo, J.
Campo, J.J. *see* Green, W.L. 4—62443
Campo, M. The evolution of the STD bus 4—38293
Campo, T. The Ampere company—how to organise an effective distribution service 4—45895
Campo, T. SMA technique for component surface mounting 4—51610
Campos, A.C. *see* Srivastava, R. 4—52651
Campos, A.J.De *see* De Campos, A.J.
Campsie, I.C. *see* Taylor, A.F. 4—40024
Campt, D.W. Missing: the universal micro-to-mainframe link 4—32335
Campt, D.W. Protocol, protocol, who's got the standard? 4—60474
Camsey, G.T.B. CEGB strategy for extending the plant life of turbine generator sets 4—34408
Can Ly Cong *see* Ly Cong Can
Canal, M., Fieux, H., Landry, M. The data-processing system for management of low-voltage works. Calculation of loads called for by LV stations 4—45098
Canales-Ruiz, R., Alvarez-Icaza, L. Stepping motor control 4—40282
Canali, C., Fantini, F., Zanoni, E., Giovannetti, A., Brambilla, P. Failures induced by electromigration in ECL 100K devices 4—29799
Canali, C. *see* Sardi, L. 4—34894
Canas, A.A.D. Interactive contrast enhancement using an electronic hardware system 4—48806
Canas M., A. Development of rural telephony in Costa Rica 4—54130
Canavesio, F., Ceruti, R., Gallo, S. Voice switching system for videoconference studios 4—61094
Canavesio, F., Dal Degan, N., Pirani, G., Rusina, F., Usai, P. Vocoders in mobile satellite communications 4—32716
Canay, I.M. Determination of synchronous machine model parameters from the characteristic quantities applicable also to sub-subtransient data 4—62506
Canay, I.M. *see* Hartenstein, R. 4—45388
Candea, R.M. *see* Chirtoc, M. 4—44511, 4—48899
Candea, R.M. *see* Dadarlat, D. 4—52440
Candolfo, D. *see* Corradi, A.R. 4—30991
Cane, G. The Itapac network 4—43830
Canelos, J. Instructional congruency: an educational tool for engineering education 4—35177
Cangellaris, A.K. *see* Kriezis, E.E. 4—53153
Canigueral, J. *see* Roux, M. 4—57356
Canitrot, M. Automatic radiotelephone common relay 4—43983
Cann, R.G. *see* Williamson, S. 4—46325
Cannon, J.W. Carry/sum generation for high speed ALU 4—51375
Cannone, C.R. *see* Badami, A.V. 4—51948
Cano-Cortes, J.R. Source impedances and errors in voltage measurements 4—61476
Canovai, G., Elia, M., Lo Presti, L., Pent, M. On the design of downlinks for satelllite communication systems using TEM and convolutional codes: a simulation approach with TOPSIM III 4—38504
Cantaluppi, L. Optimal control of a dam under seasonal electricity prices 4—50682
Cantarella, G.P. Is there a small spacecraft in the Intelsat's future? 4—39642
Cantarero, A. *see* Segura, A. 4—41859
Cantello, M., Pasquini, F. Laser beam in FMS 4—31548
Canteloup, J. Follow plasma etching in real time 4—41988
Canton, H., Dumas, J. Different methods for the calibration of medium frequency acceleration pick-offs 4—61345
Cantoni, A., Er, M.H. A new class of broadband time domain element space antenna array processors 4—59889
Cantoni, A., Evans, R.J., Cook, B.J. Common-access channel network algorithm 4—60521
Cantoni, A. *see* Codara, L.C. 4—31790
Cantrell, C.D. *see* Shemwell, D.M. 4—59601
Cantwell, B.L., Whitfield, L.M. Underground mining near large Australian dams 4—45203
Canu, B. The Loran-C National Radionavigation System 4—54912
Canu, B. National Loran C radio navigation system. II 4—60935
Canzii, G. Towards electronic publishing: new Xerox printing systems 4—38217
Canzler, B., Jr. Prospects of the application of electronic data processing in the building services 4—62892
Cao, Q., Goodman, J.W. Coherent optical techniques for diagonalization and inversion of circulant matrices and circulant approximations to Toeplitz matrices 4—32007
Cao Gendi *see* Zhu Xiachun 4—31382
Cao Jing-Xi *see* Liang Xiao-Zhong 4—29944
Cao Liezhao, Xia Jiansheng, Wang Keqin, Yao Biahua, Ding Xiaodong Liquid nitrogen autofill unit and level controller 4—44650
Cao Meiliang *see* Wang Guoqiang 4—57442
Cao Qiusheng *see* Gu Zhiyu 4—37322
Cao Ti-lun *see* Li Feng-yin 4—58906
Cao Zhuangqi, Fang Junxin Radiation losses caused by slab optical waveguide bending 4—52551
Caorsi, S., Semino, M. Dielectric permittivity of liquids by inverse numerical treatment of microwave reflection measurements 4—61505
Cap, F.F. Is the EMP an electromagnetic-shock wave? 4—53227
Capaday, C., O'Shea, J. Analogue-to-digital and digital-to-analogue 12-bit interfaces for direct digital control using an AIM-65 microcomputer 4—58395
Capani, P.M., Mukherjee, S.D., Zwicknagl, P., Berry, J.D., Griem, H.T., Rathbun, L., Eastman, L.F. Low resistance alloyed ohmic contacts to $Al_{0.48}In_{0.52}As/n^{+}$-$Ga_{0.47}In_{0.53}As$ 4—42049
Capani, P.M. *see* Hsieh, K.H. 4—58937
Capannini, E. *see* Stefanutti, L. 4—61915
Capart, J.J. European technology requirements on space automation and teleoperation 4—49352
Capasso, C. *see* Fortunato, G. 4—36338
Capasso, C. *see* Margaritondo, G. 4—46845
Capasso, F. New multilayer and graded gap optoelectronic and high speed devices by band gap engineering 4—58886
Capasso, F. Multilayer avalanche photodiodes and solid-state photomultipliers 4—59338
Capasso, F., Alavi, K., Cho, A.Y., Foy, P.W., Bethea, C.G. Long wavelength, wide spectral response (0.8-1.8 μm) $Al_{0.48}In_{0.52}As/Ga_{0.47}In_{0.53}As$ avalanche photodiodes and $Al_{0.48}In_{0.52}As$ electroabsorption pin avalanche detectors grown by molecular beam epitaxy 4—37225
Capasso, F., Cho, A.Y. New 1.3-1.6-μm low-voltage low-dark-current $p^{+}in^{+}in^{-}$ avalanche detector with separated absorption and multiplication regions grown by molecular beam epitaxy 4—52809
Capasso, F., Cho, A.Y., Foy, P.W. Low-dark-current low-voltage 1.3-1.6 μm avalanche photodiode with high-low electric field profile and separate absorption and multiplication regions by molecular beam epitaxy 4—52791
Capasso, F., Kasper, B., Alavi, K., Cho, A.Y., Parsey, J.M. New low dark current, high speed $Al_{0.48}In_{0.52}As/Ga_{0.47}In_{0.53}As$ avalanche photodiode by molecular beam epitaxy for long wavelength fiber optic communication systems 4—42478
Capasso, F., Schwartz, B., Logan, R.A. Self-aligned InP p-n junction diodes fabricated with $^{3}He^{+}$ bombardment 4—36536
Capasso, F., Tsang, W.-T. New, quieter photodiodes promise to catch speeding lightwaves 4—42481
Capasso, F. *see* Hayes, J.R. 4—36560
Cape, J.A. *see* Fraas, L.M. 4—50076
Capehart, B.L. *see* Berg, S.V. 4—34045
Capel, A., Marpinard, J.C., Jalade, J., Valentin, M. Current-fed and voltage-fed switching DC/DC converters—steady-state and dynamic models—their applications in space technology 4—57190
Capel, V. Satellite TV—the sequel 4—32897
Capel, V. Induction loops [public address hearing aid system] 4—33022
Capel, V. Portable induction loop [hearing aid facility] 4—33029
Capel, V. How permanent is permanent? [Magnetic recording tapes] 4—37011
Capel, V. Vintage TV: the Pye Model V4 4—38820
Capel, V. Review: ALTAI capacitance meter 4—44547
Capel, V. Sinclair's new pocket TV 4—54961
Capelle, F.J.L.van *see* van Capelle, F.J.L.
Capes, E.D. *see* Fahey, J.D. 4—60608
Capes, P. Sigma measuring up to the eighties 4—55152
Capieaux, P. *see* Bodson, J.M. 4—34636
Capilla, J., Sarrabayrouse, G. Conduction and charge storage in Cr-thin SiO_2-pSi structures 4—30444
Caplan, M. Gain characteristics of stagger-tuned multi-cavity gyroklystron amplifiers 4—41766
Caplar, R. *see* Kramer, D. 4—33623
Capocelli, R.M., Vaccaro, U. Decoding automata for multivalued encodings 4—47771
Capolino, G.A., Nematchoua, F. Microprocessor-based system for single phase DC-AC power transistor converters 4—34760
Caporaloni, M. *see* Ambrosini, R. 4—31669
Caporaso, G.J. *see* Paul, A.C. 4—47487
Caporossi, D. *see* Perrault, F. 4—43551
Capovani, M. *see* Bini, D. 4—40999

Capozi, M. *see* Daniels, R.R. 4—58777
Capozi, M. *see* Evangelisti, F. 4—30399
Cappellini, V. Some 2-D digital systems with application to image processing 4—53886
Cappellini, V., Del Bimbo, A., Mecocci, A. New complete processing system for recognition and classification of objects in multiple image frames 4—43437
Cappellini, V., Del Re, E. Low-complexity digital tone detector for telecommunications switching systems 4—54521
Cappellini, V. *see* Benelli, G. 4—32704, 4—37921
Cappellini, V. *see* Borghesi, P. 4—32073, 4—53928
Cappello, A., Pierro, J. A 22-24-GHz cryogenically cooled GaAs FET amplifier 4—36044
Cappello, P.R., LaPaugh, A., Steiglitz, K. Optimal choice of intermediate latching to maximize throughput in VLSI circuits 4—31960
Cappello, P.R., Steiglitz, K. A fast tally structure and applications to signal processing 4—53765
Capper, H. *see* Ball, T. 4—58600
Capper, P. Communications for a continent 4—38456
Cappy, A. *see* Daembkes, H. 4—52102
Capraro, G. *see* Ephrath, A. 4—59797
Capraro, G. *see* Gormady, J. 4—35776
Caprio, U.Di. Status of power system research at ENEL 4—45018
Capros, P., Devezeaux de Lavergne, J.-G., Fernandez-Serdan, B., Ladoux, N. The macroeconomic model MIEL (Long-term Interindustrial Energy Model) 4—45919
Capua, E.di *see* di Capua, E.
Caputi, M.J. *see* Moose, R.L. 4—60927
Caquot, E. *see* Palmier, J.F. 4—36322
Caraiscos, C., Liu, B. A roundoff error analysis of the LMS adaptive algorithm 4—31961
Caramanis, M. *see* Bloom, J.A. 4—62124
Carapic, M. *see* Stankovic, S.S. 4—60146
Carassa, F., Drioli, B., Marconicchio, F., Saggese, E., Tartara, G. From SIRIO to ITALSAT: the Italian space programme 4—60794
Carassa, F., Paraboni, A. Sirio SHF experiment principal results and applications to future satellite telecommunication systems 4—54731
Carayannis, G., Manolakis, D., Kalouptsidis, N. Efficient algorithms and structures for lagged least squares (LS) FIR filters in the case of prewindowed signals 4—53771
Carayannis, G. *see* Kalouptsidis, N. 4—31962, 4—53671
Carayannis, G. *see* Manolakis, D. 4—53772
Carbo, C. *see* Bayes de Luna, A. 4—49248
Carbol, K. *see* Miller, A. 4—56825
Carbonell, I.D. *see* Fluxa, F. 4—50463
Carbonell, N., Fohr, D., Haton, J.P., Lonchamp, F., Pierrel, J.M. An expert system for the automatic reading of French spectrograms 4—53572
Carcia, P.F., Brixner, L.H. The preparation of thin film transparent BaFCl:Eu X-ray phosphor 4—47338
Card, H.C., De Groot, A.W., McGonigal, G.C., Shaw, J.G., Thomson, D.J. Studies of interface phenomena at silicon grain boundaries 4—36323
Card, H.C. *see* Mbewe, D.J. 4—42483
Card, M.A. Evolution of the digital avionics bus 4—49388
Cardarelli, E. *see* Fornarini, L. 4—40460
Cardin, R. *see* De Mori, R. 4—53977
Cardos da Rocha, V., Jr. Cyclic codes for random or burst error-correction 4—43144
Cardoso, D.O. *see* Paschoa, A.S. 4—56220
Cardoso da Rocha, V., Jr. Maximum distance separable multilevel codes 4—43142
Cardwell, B.J., Goodman, C.J. Response improvements in industrial DC drives derived from optimal analysis 4—49905
Carenco, A. InP-based integrated optics 4—37167
Carey, E.R., Rosner, A.J., Travis, K.J. Removal with O_2 of leaked photoresist from wafer backside prior to plasma etching of silicon nitride 4—36477
Carey, G.F., Oden, J.T. Finite elements, computational aspects. Vol.III 4—57727
Carey, J., Blood, B. Macrocell arrays. Concept, features and CAD interface 4—41321
Carey, L. Integrated management precedes integrated communications 4—54576
Carfagno, S.P. Meeting the qualified life challenge 4—34343
Carfagno, S.P., Paulson, D.V., Young, P.T. The process of equipment qualification testing and problems of implementation 4—56467
Caria, M. *see* Bressani, T. 4—33695, 4—39427
Caricchio, J.J., Lynch, T.E., Jr. Electrical contact method for continuous reel plating 4—46659
Caridi, E.A., Chang, T.Y. Improved techniques for orientation of (100) InP and GaAs wafers 4—52023
Cariou, J.-M. *see* Demange, A. 4—47244
Carius, R. *see* Hoheisel, M. 4—30359
Carl, K.J. *see* Powell, S.J. 4—33514
Carlevaro, M., Ciccarella, G., Del Maestro, G., Di Domenico, D. Simulation of a desalination plant supplied by a photovoltaic array with management strategies 4—45812
Carlevaro, M., Cicchetti, O. A program for the evaluation of the effectiveness of a WECS in given site 4—34553
Carli, A.de *see* de Carli, A.
Carli, B. *see* Nolt, I.G. 4—39710
Carlin, D.B., Bednarz, J.P., Kaiser, C.J., Connolly, J.C., Harvey, M.G. Multichannel diode laser array optical recording 4—53012
Carlin, H.J., Wu Yong-shi Multiple criterion optimization design of the low-noise broadband MMIC FET amplifiers 4—41575
Carlin, H.J. *see* Youla, D.C. 4—50880
Carlini, R. *see* Bolton, R. 4—55816
Carlisle, B.H. A new breed of high-current MOSFETs 4—30642
Carlisle, B.H. Smart ICs for power 4—41197
Carlisle, S. *see* Meredith, H. 4—40731
Carlisle, W.M. Digital Equipment's internal use of videotex 4—54238
Carlos, W.E. Effects of bias on radiation induced defects in MOS oxides: an ESR study 4—36346
Carlqvist, S.G., Darche, M., Ducroux, P. The ECA indirectly heated Stirling engine 4—40560
Carlsohn, M.F. An arrangement of quadrants for producing variable partial picture quantities 4—32065
Carlson, A.B. *see* Petley, D.H. 4—44801
Carlson, C.W. *see* Firmani, C. 4—46778
Carlson, D.E. Projections for amorphous silicon photovoltaics 4—50072
Carlson, D.J. The evolution of television tuning systems 4—54978
Carlson, D.J. *see* Brecke, R.A. 4—42253
Carlson, N.W., Babbitt, W.R., Bai, Y.S., Mossberg, T.W. Field-inhibited optical dephasing and shape locking of photon echoes 4—42707
Carlson, N.W. *see* Yodh, A.G. 4—53085
Carlson, R. *see* Blomberg, M. 4—59972
Carlson, R. *see* Magnusson, L. 4—43244
Carlson, R. *see* Nagaswami, V. 4—51958
Carlson, R.D. Utility interference mitigation engineering for ELF communications 4—37659
Carlson, R.D. *see* Genge, M.F. 4—60701
Carlson, R.O. *see* Burgess, J.F. 4—57841
Carlson, R.W. Resident diagnostics in quality control: an overview 4—50582
Carlson, R.W. *see* Bartels, W.G. 4—54557
Carlson, T. Better the R-70 [Icom HF receiver modifications] 4—43930
Carlsson, A. *see* Engstrom, O. 4—30456
Carlsson, C.A. *see* Nielsen, B. 4—33820
Carlsson, G.C., Sexton, H.B., Shensa, M.J., Wright, C.G. Communication problems in parallel algorithms 4—53593
Carlsson, R. Ericsson and Chalmers are investing in local fibre optic data networks 4—32190
Carlsson, R. New materials in electrical technology: amorphous metals gives better transformers 4—35515
Carlsson, R. Electronics manufacture in space: Swedish researchers make semiconductors in weightlessness 4—36394
Carlsson, R. State research institute at Grenoble: LETI invests in microelectronics 4—40895
Carlsson, R. Thompson, state electronics company: large exporter of CMOS-circuits 4—42157
Carlsson, R. French space company earns money on space rockets 4—44794
Carlsson, R. Opto-cables—good safeguard against lighting and interference 4—54754
Carlstedt, G. *see* Suk, D. 4—51258
Carlsten, J.L., Telle, J.M., Wenzel, R.G. Efficient stimulated Raman scattering due to absence of second Stokes growth 4—53079
Carlton, H.E. *see* Boiarski, A.A. 4—44646
Carlton, J. The prospects for a pan-European cellular radio service 4—44016
Carlyle, S.G. *see* Freeman, T.J. 4—39727
Carmel, Y. *see* Granatstein, V.L. 4—52834
Carmen, P.R. The studio VTR and component coded recording 4—44211
Carmichael, D. Do EE careers suffer from poor management? 4—57755
Carminati, E., Ferrero, A. Determination of the normal magnetization curve and the total loss by means of numerical techniques 4—48692
Carminati, E. *see* Brandolini, A. 4—49991
Carmona, J.A. *see* Tondi Resta, J.L. 4—44128
Carnal, C.L., Rochelle, R.W. Power spectrum estimation with logarithmically uniform frequency resolution: a survey 4—60149
Carnegie, J.D. Underlying hardware description language models 4—35589
Carnet, B. *see* Breuze, G. 4—42479
Carnevale, S.J., Robison, B.H. Scientific research with atmospheric diving suits 4—61963
Carney, J.K., Helix, M., Kolbas, R.M. Operation of monolithic laser/multiplexer optoelectronic IC 4—52692
Carney, J.K., Helix, M.J., Kolbas, R.M. Gigabit optoelectronic transmitters 4—31177
Carney, J.K. *see* Kolbas, R.M. 4—52693
Carney, S.N. Co-channel interference comparison for conventional land mobile frequency modulation and 2400 bps LPC/FSK systems 4—60728
Carniglia, C.K. *see* Newnam, B.E. 4—37437
Carniglia, C.K. *see* Tuttle Hart, T. 4—37192
Carnochan, P. The application of RF electromagnetic fields in clinical studies of localised hyperthermia 4—39606
Caroli, E. *see* Charalambous, P.M. 4—39424
Caroubalos, C. *see* Avaritsiotis, J.N. 4—35067
Caroubalos, C. *see* Samarakou, M.T. 4—34929
Carpenter, H., Bishop, P.J. A model for assessing the economic and energy savings implications of cogeneration with steam turbines in citrus engineering plants 4—49783
Carpenter, R.B.P. *see* Borley, D.R. 4—38641
Carpenter, R.J. *see* Burr, W.E. 4—43774
Carpentier, J.L. Evolution of digital control in energy control centers 4—39828
Carpentier, J.L., Cotto, G., Niederlander, P.L. New concepts for automatic generation control in electric power systems using parametric quadratic programming 4—39833
Carpentier, J.Le *see* Le Carpentier, J.
Carpentier, M.P., dos Santos, A.F. Nonspectral representation for the field of a horizontal wire above ground 4—53278
Carpinelli, G., De Martinis, U., Piccolo, A., Rossi, F. On the evaluation of mean time between maintenances of circuit breakers for industrial plants 4—57275
Carpinelli, G., Gagliardi, F., Testa, A. Reliability of HV/MV substations as a function of the layout 4—57135
Carpinelli, G. *see* Battistelli, L. 4—49724
Carpinelli, G. *see* Gagliardi, F. 4—45492, 4—56631
Carpinello, C.R. *see* Fehlig, M. 4—44042
Carr, G.L., Karecki, D.R., Perkowitz, S. Granular superconducting NbN films as submillimeter detectors 4—39185
Carr, G.L., Karecki, D.R., Perkowitz, S. Submillimeter detector operation of granular superconducting NbN films 4—42286
Carr, J. *see* Ramshaw, R.S. 4—34106
Carr, J.J. Designing with linear ICs. II. A look at the inverting follower, and some common op-amp problems and their solutions 4—41221
Carr, J.J. Designing with linear ICs 4—42118
Carr, J.J. Counter-productive basics. I. [digital counters fundamentals] 4—55527
Carr, J.J. Designing with linear ICs. III 4—58178
Carr, J.J. Designing with linear IC's. IV. A look at differential and instrumentation amplifiers, and how to use them 4—58179
Carr, P. *see* Rowan, J.W. 4—40425
Carr, P.H. *see* Budreau, A.J. 4—59120
Carr, R. Long pin soldering 4—46699
Carr, W.J., Jr. Effect of twist on the longitudinal field loss for an in situ superconductor 4—31055
Carrasco, D., Torres, G., Vazquez, A. Transmission of digital information via satellite for the real time control system of 'Comision Federal de Electricidad', Mexico 4—38572
Carre, R., Descout, R., Eskenazi, M., Mariani, J., Rossi, M. The French language database: Defining, planning, and recording a large database 4—53574
Carreras, R.A., Cusumano, S.J., Andrews, M.G., Jordan, D.H. Overview of a phased array experiment 4—61558
Carreras, S.Espin *see* Espin Carreras, S.
Carretto, J. *see* Van Broekhoven, P. 4—44861
Carrico, J.P. *see* Spangler, G.E. 4—50451
Carrier, L.M., Dong, E.V., Miller, S.M. Operational flight software techniques for on-aircraft testing and maintenance 4—44868
Carrigan, R.A., Jr. *see* Baker, S.I. 4—33727
Carrington, J. Marketing the cellular revolution 4—44012
Carrington, J. Cellnet—an introduction to a new service 4—60697
Carrion Perez, J.L. A single circuit with four electronic sirens 4—35999
Carrion-Isbert, A. A new method of designing closed-box loudspeaker systems under the influence of enclosure filling materials 4—44338
Carrison, C.L. *see* Joseph, J.D. 4—60276
Carrls, J.J.L. The application of pocket computers in radiography 4—35520
Carroll, C. *see* Kumar, B.V.K.V. 4—32027
Carroll, D.P. *see* Choudhry, M.A. 4—56569, 4—62097
Carroll, D.P. *see* Roettger, T.D. 4—62093
Carroll, J.E. Fast switching in semiconductors 4—58593
Carroll, J.E. *see* Luff, G.F. 4—44599
Carroll, J.J., DiCarlo-Cottone, M.J., Kafker, A.H. 4ESS switch implementation of dynamic nonhierarchical routing 4—32588
Carroll, J.T. Advanced TT&C for the Air Force satellite control facility. Conceptual overview 4—48450
Carroll, N. *see* Mazliah, J. 4—56158
Carroll, W.M. *see* Thickbroom, G.W. 4—44752
Carru, H. *see* Detaint, J. 4—30926
Carrus, A., Funes, L.E. Very short tailed lightning double exponential wave generation techniques based on Marx circuit standard configurations 4—45524
Carruth, J.A.S. Treating cancer by laser 4—44775
Carruthers, J.R. *see* Wang, C.A. 4—35467
Carruthers, T. *see* Maracas, G.N. 4—61379

Carruthers, T.F. Picosecond optical control of transferred electron devices 4—58891
Carson, C. Testing microprocessor-based systems at home 4—29916
Carson, D.E. *see* Remer, D.S. 4—35269
Carson, D.P. *see* Lee, H.F. 4—44867
Carson, P.L. *see* Schmitt, R.M. 4—56368
Carson, R. A digital speech voltmeter—the SV6 4—44534
Carstensen, E.L., Miller, M.W., Ciaravino, V. Ceramic electrodes for ELF bioeffects studies 4—61752
Carter, A.C. *see* Plastow, R. 4—52994
Carter, A.G., Beesley, L., Slator, D.E. Flexibility for building services 4—45575
Carter, A.L. *see* Bryman, D. 4—33632
Carter, C. *see* Mader, J. 4—40581, 4—45705
Carter, C.H., Jr., Maszara, W., Rozgonyi, G.A., Sadana, D.K. Comparison of damage profiles obtained by angle lapping/staining and cross-sectional transmission electron microscopy 4—51980
Carter, C.N. CEGB experience with optical telecommunications on power line routes 4—54839
Carter, C.R. *see* Chung, T. 4—32758
Carter, D.R. *see* Sultan, N. 4—38561
Carter, G., Lewis, G.W., Nobes, M.J., Cox, J., Begemann, W. The effect of ion species on bombardment induced topography during ion etching of silicon 4—42006
Carter, G.C. *see* Scarborough, K. 4—60055
Carter, M.J., Neuhoff, D.L. On the rate-distortion for composite and interrupted sources 4—37805
Carter, P. Experience with the time-of-flight diffraction technique and an accompanying portable and versatile ultrasonic digital recording system 4—58074
Carter, R.L., Owens, J.M. The status of magnetostatic wave oscillators 4—29702
Carter, R.L. *see* Adkins, L.R. 4—31038
Carter, S. *see* Orbell, A. 4—43657
Carter, S.F. *see* France, P.W. 4—47253
Carter, S.M. *see* Griffiths, H.D. 4—60906
Carter, T.M. Automatic implementation of self-timed state machines in integrated circuits 4—51175
Carter, W.C. Using a shift register to generate verification tests 4—58263
Carter, W.W. EMP: what it is and what to do about it 4—59774
Cartianu, P. Development of the world primary energy 4—56713
Cartman, F. Edge-triggered sampling logic circuit for synchronous systems 4—29795
Cartwright, C. Earthing and screening: thoughts about system level relating to output point 4—37604
Cartwright, P. *see* Singh, S. 4—57664
Cartwright, S. New optical matrix-vector multiplier 4—47312
Cartwright, W. *see* Bohlander, R.A. 4—37593
Caruso, H. The role of professional societies in the standardization process—a case history 4—50504
Caruso, H.J. *see* Schafer, H. 4—50507
Caruso, N.J. An improved metal halide lamp with high color rendering properties 4—57516
Carvalho, W., Dumas, P. Raman microanalysis of preforms and optical fibres 4—42375
Carver, S. *see* Hochhaus, L. 4—33151
Casaccia, R. *see* Venuti, G.C. 4—55898
Casacuberta, F. *see* Morte, F. 4—47806
Casadei, D. *see* Brunelli, B. 4—34656
Casadevall, F., Junyent, G., Agusti, R. New strategy for optimum design of a linear and nonlinear equalized digital fibre optic communication system 4—60867
Casagrande, F. *see* Benza, V. 4—59593
Casagrande, F. *see* Bonifacio, R. 4—47398
Casar-Corredera, J.R., Vergara-Dominguez, L., Garcia-Gomez, R., Figueiras-Vidal, A.R. Modelling solar-Radiation series 4—34264
Casas, M. *see* Domingo, C. 4—55859
Casas, M. *see* Vidal-Quadras, A. 4—55974
Casasent, D. Unified synthetic discriminant function computational formulation 4—43398
Casasent, D. Linear algebra techniques for pattern recognition: feature extraction case studies 4—53807
Casasent, D. Acoustooptic linear algebra processors: architectures, algorithms, and applications 4—60196
Casasent, D., Ghosh, A., Neuman, C.P. Direct and indirect optical solutions to linear algebraic equations: error source modeling 4—53803
Casasent, D., Sharma, V. Shift-invariant and distortion-invariant object recognition 4—53799
Casavecchia, F.M. *see* Roos-Kozel, B.L. 4—58065
Case, L Maintenance service automation [for electronic equipment] 4—45955
Case, M. Reflections on UV coatings 4—37186
Case, S.K., Haugen, P.R. High efficiency multifacet holographic optical elements for image formation 4—60160
Case, S.K. *see* Konicek, L.R. 4—37491
Case, W.E., Smith, J.L., Eden, D.D. An examination of vanadium dioxide thin film as an erasable/reuseable medium for optical recording 4—52526
Cases, M. Methodology for the derivation of delay equations in a high performance machine 4—29812
Cases, M., Kraft, W. CMOS programmable logic array 4—51136
Casey, D. Swift network takes off 4—38276
Cashin, J. Local area networks: still more promise than action? 4—38268
Cashin, J. Moving data over public networks 4—43541
Cashman, J.D., Green, H.E. Reflection coefficient of a conducting sphere on the broad wall of a rectangular waveguide 4—53252
Casini, D., Gigli, M.L. Evaluation of the functional quantities of a polyphase induction motor supplied by SCR voltage control 4—49891
Cason, N. *see* Ruchti, R. 4—33680
Caspar, J.R. *see* McCartin, B.J. 4—36513
Casperson, L.W. *see* Wilcox, J.Z. 4—47466
Caspi, S. Exact capacitances of circular rods array 4—37708
Cassagne, P. *see* Lowitz, G.E. 4—61040
Cassanova, R.A. High temperature concepts for conversion of solar thermal energy 4—34520
Cassard, J.M. A sensitivity analysis of SPICE parameters using an eleven-stage ring oscillator 4—29584
Cassard, J.M. A sensitivity analysis of SPICE parameters using an eleven-stage ring oscillator 4—36833
Cassard, P., Lourtioz, J.-M. Transient frequency shift induced by the electron density in injection locking of transversely excited atmospheric CO_2 lasers 4—52872
Cassarino, J.M. Buried capacitor node probing 4—36714
Cassarrubios, A. Adding preset channels to a tuner 4—32924
Casseday, M.W. *see* Berg, N.J. 4—52738, 4—52743
Casseday, M.W. *see* Patterson, M.S. 4—52415
Cassels, J.W.S. *see* Bremner, A. 4—29327
Cassi, C. *see* Ancillotti, R. 4—44838
Cassidy, B.M., Hoffman, C.R., Kalter, H., Kotecha, H.N. Three-device nonvolatile RAM cell 4—46470
Cassidy, D.T. Influence on the steady-state oscillation spectrum of a diode laser for feedback of light interacting coherently and incoherently with the field established in the laser cavity 4—52942
Cassidy, D.T. Differential quantum efficiency of a homogeneously broadened injection laser 4—59491
Cassidy, D.T. Analytic description of a homogeneously broadened injection laser 4—59537
Cassidy, F. *see* Dabbs, P.H. 4—60310
Cassidy, P.G. *see* Goutis, C.E. 4—60098
Cassidy, S.A., Hornung, S. A fibre unit for blown fibre cable 4—52680
Cassidy, S.A. *see* Hornung, S. 4—52687
Cassou, R.M. *see* Drechsel, H. 4—55953
Castagne, R. Recent developments in the domain of III-V semiconductor integrated logic circuits 4—29801
Castagnoli, F. *see* Stefanutti, L. 4—61915
Castan, S. Extraction of elementary information in images 4—60278
Castan, S., Shen, J. A method for finding straight line and plane corresponding in stereopair images (theoretical part) 4—53940
Castaner, L., Prat, L. Effective drift time and back surface passivation effects on solar cell performance 4—34906
Castaner, L. *see* Cabestany, J. 4—34916
Castaner, L. *see* Mas, A. 4—34763
Castaner, L. *see* Roux, M. 4—57356
Castanie, F., Wan, D. Application of the random reference quantization principle to radix-2 FFT computation 4—60086
Castanie, F. *see* Halimi, M. 4—53724
Castano, J. *see* Araujo, G.L. 4—34907
Castano, J.L. *see* Garrido, J. 4—50778
Castejon, I. *see* Chamorro, J.L. 4—49191
Castelbou, C. Modern weather radars for civil aircraft 4—61876
Castella, F.R. *see* Bath, W.G. 4—54858
Castellani, V. *see* Ajmone Marsan, M. 4—37788
Castellano, M. *see* Biagini, M. 4—47384
Castellano, R.N. Profile control in plasma etching of SiO_2 4—46962
Castelli, G. *see* Wirth, E. 4—44949
Castellino, P., Ciaramella, A., Dal Degan, N. Architecture and algorithm choices for an LPC vocoder implementation 4—32501
Castello, R. *see* Li, P.W. 4—51339
Castera, J.-P. State of the art in design and technology of MSW devices 4—31035
Castillo, F., Gamboa, I., Espinosa, G., Somogyi, G., Tapia, A. Homogeneity and fissure determination in uranium bars with solid state nuclear track detectors 4—55938
Castillo, L.Garcia del *see* Garcia del Castillo, L.
Castillo-Olivares, J.L. *see* Hernandez, C. 4—49239
Castillon, L. *see* Gascon, D. 4—49257
Castle, G.S.P. *see* Elmoursi, A.A. 4—53179
Castle, G.S.P. *see* Greason, W.D. 4—46733
Castleberry, R. High-speed video D/A converters simplify graphics-display designs 4—41409
Castro, A.A. Sequential digital processing for adaptive nulling antennas 4—31789
Castro, E.De *see* De Castro, E.
Castro, E.Di *see* Di Castro, E.
Castro, H.J. Substrate solder seal-capping spider 4—40872
Castro, J.C. *see* Doraiswami, R. 4—45009
Castro, M. *see* Martinez, P. 4—34519
Castrodale, D.O. *see* Baasch, H.J. 4—42882
Casty, M., Giddens, D.P. 25+1 channel pulsed ultrasound Doppler velocity meter for quantitative flow measurements and turbulence analysis 4—49180
Cata, L.De *see* De Cata, L.
Catala, L. A supervisor's view of recommended workplace practices 4—50424
Catalano, I.M., Cingolani, A., Arnone, C., Riva-Sanseverino, S. Optical rectification in CdS 4—31492
Catalano, L. Can fuel cells survive the free market in the 1990s? 4—34870
Catalano, L. Innovative long term scheduling plan aids nuclear plant retrofits 4—45232
Catalano, L. New district heating projects are on the rise 4—45282
Cataldo, G.di *see* di Cataldo, G.
Cataldo, R.L. Test results of a ten cell bipolar nickel-hydrogen battery 4—40411
Catania, B. Perspective on telecommunications development 4—48364
Catchings, B. *see* da Cruz, F. 4—48186
Catchpole, R.J. *see* McElvanney, S.G. 4—38165
Catellani, A. *see* Alberigi Quaranta, A. 4—33715
Cathell, F. *see* Roehr, B. 4—35630
Catherwood, M.I. *see* McCartney, D. 4—46499
Cathey, L. *see* McLaurin, A.P. 4—61252
Cathignol, D., Chapelon, J.Y., Jossinet, J. Limitation of coded Doppler velocimeters 4—56114
Cathro, W. *see* Baskin, J. 4—38321
Catier, E. Listening cards or speech recognition 4—37888
Catier, E. Displacement sensors: which technologies? 4—39308
Catier, E. What one needs to know about custom circuits 4—52186
Caton, R. *see* Aidun, R. 4—55584
Catron, P.W., Clarke, J.R., Bradley, M.E., Ackerman, M.J. Experimental approaches to problems of the heart and lungs in diving 4—61829
Catrysse, J.A.M., Vermote, F. CAD of a bass-reflex radiator 4—44339
Catt, I. Fundamentals of electromagnetic energy transfer 4—59688
Cattan, M. *see* Chassignet, C. 4—62296
Cattaneo, C., Guidali, R. A new class 220° moisture resistant banding tape 4—36973
Cattell, C.A. *see* Pedersen, A. 4—44904
Cattermole, K.W. Chernoff bound detection filters 4—41445
Cattermole, K.W. Generating-function methods in probability theory 4—43034
Cattermole, K.W. Non-linear operations on stochastic processes 4—43039
Cattermole, K.W. Representation and analysis of digital line codes 4—43134
Cattermole, K.W. Statistical modelling of traffic in networks 4—43500
Cattermole, K.W., O'Reilly, J.J. *(editor)* Problems of randomness in communication engineering 4—40696
Cattermole, K.W., O'Reilly, J.J. *(editor)* Optimisation methods in electronics and communications 4—40697
Cattin, J. Hydroelectric generating stations: present problems and potential developments 4—45325
Catto, C.J.D. True RMS-sensing noise meter 4—44548
Catto, C.J.D. Isolated feedback for mark-space control 4—50931
Catto, C.J.D. Simple current-collector head-amplifier 4—58160
Cattoen, M. *see* Favreau, M. 4—47915
Caudano, R. *see* Liehr, M. 4—46972
Caudell, R.P., Poole, R.B. An improved aluminum electrolytic capacitor for use in high temperature, long life applications 4—58564
Caul, D.J. *see* Utting, I.A. 4—54439
Caulderhead, A. Modified loudspeaker protection module 4—33019
Caulfield, H.F. *see* Efron, U. 4—42425
Caulfield, H.J. The hologram as an electronic display 4—44430
Caulfield, H.J. The hologram as an electronic display 4—59626
Caulfield, H.J., Ludman, J.E. Time-frequency interrelationships in optical information processing 4—43423
Caulfield, H.J., Mueller, P., Dvore, D., Epstein, A., Fallon, J. Continuous tone holograms by halftoning 4—59622
Caulfield, H.J., Mueller, P.F. Optical numerical computation in the spectral domain 4—53804
Caulfield, H.J. *see* Kryger, D.L. 4—53842
Caulfield, H.J. *see* Szu, H.H. 4—60199
Caulfield, M.F., Lane, S.O., Taormina, F.A. Intelsat VI antenna system 4—31795

Causey, S.C. *see* Kaune, W.T. 4—56207
Caux, M.-A. *see* Groves, C. 4—59045
Cava, M.La *see* La Cava, M.
Cavaliere, J.R. *see* Askin, H.O. 4—29797, 4—35758
Cavaliere, J.R. *see* Balyoz, J. 4—29974
Cavallo, N. *see* Biagini, M. 4—47384
Cavan, J.C., Allemand, L.R., Calvet, J., Thevenin, J.C. Feasibility study of all plastic large NA optical fibers 4—42333
Cavanagh, R.A. *see* Forneris, J.L. 4—36818
Cavanagh, R.R. *see* Ho, P.T. 4—59328
Cavanaugh, J.R., Hatch, R.W., Sullivan, J.L. Transmission rating model for use in planning of telephone networks 4—32258
Cavanaugh, K.T., Clancy, E.A., Natrillo, J.A., Paquette, R.J., Looft, F.J. Optimal site selection for prosthetic control 4—49315
Cavazza, M., Ciaramella, A. Automatic speaker recognition 4—47789
Cavdarbasa, F. *see* Persin, M. 4—58770
Cave, D. *see* Foerstner, J. 4—59018
Cave, D. *see* Lytle, S. 4—58987
Cave, D.L. *see* Bynum, B.G. 4—52236
Cavers, D.A. *see* Barry, K.M. 4—61911
Cavers, J.K., Hafex, H.M., Mahmoud, S.A. Design consideration in the MSAT mobile telephone system setup channel 4—60722
Caves, T., McWalter, I. Filter codec and line card chips: the new generation 4—32517
Cavill, B.R., Hernandez, R. EPROM duplicator 4—46472
Cavill, B.R., Hernandez, R., Kulterman, R., Thomas, D. Stepper motor tester 4—48711
Cavill, J. A designers guide to CMOS STD bus applications 4—36822
Cavin, R., Lucic, R. SRC test strategies for design and manufacturing sciences 4—29235
Cawkell, A.E. The information society. I. Technology, politics and infrastructures 4—38135
Cawkell, A.E. The information society. II. Politics of telecommunications 4—43517
Cawkell, A.E. Facsimile—review and survey of machines 4—54168
Cawthorne, N.S. Russian DX'ing—oblast chasing can be fun! 4—32634
Cawthraw, M. *see* Astbury, A. 4—33756
Cazabat, C.R., Lozano, R.D., Yasan, E.D. Performance of a 7.5 m moving arm goniophotometer for measuring the spatial distribution of light of luminaires 4—61240
Cazaux, Y. *see* Berger, J.L. 4—55275
Cazcarra, V., Garroux, D. Improvements to surface characteristics of silicon wafers 4—58870
Cazzaniga, M., Martin de Dios, R., Quero Jimenez, M., Pey, J., Herraiz, I., Abraira, V. Diastolic function in children with dilated or hypertrophic left ventricle 4—49138
Cazzaniga, M., Quero Jimenez, M., Martin de Dios, R., Herraiz, I., Pey, J. Diastolic function in infants with complete transposition of the great arteries 4—49137
Ce-jun Wei *see* Wei Ce-jun
Ceballos, A. *see* Perez Ferreira, E. 4—33564
Cebik, L.B. Elegant rotating [automatic beam aimer design] 4—42999
Cebik, L.B. Perfboard and soldertail? [circuit layout] 4—45945
Cebra, D. *see* Wells, W.K. 4—55833
Cecchetti, A. *see* Corradi, A.R. 4—30991
Cecchetti, W. *see* Bergamasco, G. 4—52928
Cech, D. *see* Wiglasz, V. 4—42226
Cech, F., Frank, M. Pulverised-coal ignition burners from the GDR at the Tisova Electric Power Station 4—56827
Cecot, W., Orkisz, J. Approximation of boundary values in the boundary element method 4—29387
Cederquist, J.N., Tai, A.M. Computer-generated holograms for geometric transformation 4—59627
Cedervall, M., Johannesson, R. A fast algorithm for computing distance spectrum of convolutional codes 4—37870
Ceelen, D. Market opportunities for district heating power stations with heat pumps using a refrigerant 4—45259
Cefalas, A.C., King, T.A. Phase conjugation by four wave mixing in an ArF excimer amplifier 4—59440
Cefola, P.J. *see* Proulx, R.J. 4—48446
Ceglio, N.M. *see* Stone, G.F. 4—55962
Cejudo, J. *see* Segovia, N. 4—56213
Celandroni, N., Ferro, E., Lenzini, L., Segal, B.M., Olofsson, K.S. SATINE experience with LAN interconnection 4—38571
Celen, J. *see* Sansen, W. 4—49185
Celenza, N., Cochrane, H.L. Isolated, remote power supply 'on' control 4—50956
Celie, B. *see* Assalit, H. 4—52081
Cellary, W., Stroinski, M. Analysis of methods of computer network performance measurement 4—48289
Celler, B.G. *see* Milthorpe, B.K. 4—61749
Celler, G.K. *see* Ng, K.K. 4—36867
Celotta, R.J. *see* Feigerle, C.S. 4—36176
Cendes, Z.J., Shenton, D., Shahnasser, H. Magnetic field computation using Delaunay triangulation and complementary finite element methods 4—31575
Cendes, Z.J. *see* Shenton, D. 4—31014
Censlive, M. *see* Ioannou, D.E. 4—41810
Censor, D. Ray tracing in absorbing media: Is there light at the end of the tunnel 4—37574
Censor, D. Scattering by weakly nonlinear objects 4—37576
Centro, S., Cittolin, S., Dreesen, P., Rubbia, C., Schinzel, D., Guglielmi, L., Ceradini, F., Cesaroni, F., Moricca, M., Petrolo, E. A microprocessor-controlled readout system for imaging drift chambers 4—55849
Cenusa, G., Burlacu, V. Random functions N-almost periodic 4—35352
Cepoiu, G. *see* Ijac, G. 4—40224
Cepoiu, G. *see* Ijae, G. 4—40527
Cepoiu, Gh. *see* Ijac, Gh. 4—40223
Ceppi, P., Camani, M., Spinedi, C., Salvade, G. Initial performance of the grid connected photovoltaic plant TISO 15 4—34514
Ceradini, F. *see* Centro, S. 4—55849
Cerdeira Altuzarra, A., Zequeira Valdes, M. Analysis of the internal structure of a 4Kbit dynamic RAM 4—35784
Cereijo, M. Techniques simplify active filters 4—51414
Cergel, L. *see* Wilkins, R. 4—32942
Cerid, O., Denker, A. A microprocessor controlled d.c. traction drive for electric/hybrid vehicles 4—57469
Cermak, J., Nevriva, M. Distribution coefficients of the (Y, Lu, Sm, Ca)$_3$(Fe, Ge)$_5$O$_{12}$ garnet system 4—29494
Cermak, L. A note on a discrete form of Friedrichs' inequality 4—35416
Cermak, L. The finite element solution of second order elliptic problems with the Newton boundary condition 4—35441
Cernic, P. An algorithm for economic dispatching over large areas 4—62052
Cernomszu, D. New contributions for automatic devices construction meant to limit the no-load work of electricity consumers 4—50013
Cerny, E. *see* Aboulhamid, E.M. 4—58259
Cerny, E. *see* Hughes, P.M.J. 4—61884
Cerny, I. Application of superconducting tunnelling phenomena in the realisation of voltage standard 4—44567
Cerny, R., Fried, V., Fiser, R. Dynamic sorting of warnings of a computerized information system 4—40052
Cerny, V. A model based estimate of the geometrical acceptance of the e^+e^- experiment on the HYPERON spectrometer 4—44698
Cerofolini, G.F., Polignano, M.L. Mechanism of non-Shockley conduction in almost ideal silicon junction diodes 4—46997
Cerofolini, G.F., Polignano, M.L. An extension of the model for the extracurrent in most ideal silicon junction diodes 4—58897
Cerovsky, Z., Lettl, J. Analytical solution of steady states of a drive with an induction machine and unrestricted frequency changer 4—57387
Cerovsky, Z. *see* Lettl, J. 4—57388
Cerrito, L. *see* Anderson, L. 4—55989
Certo, M., Dotti, D., Vidali, P. A programmable pulse generator for piezoelectric multielement transducers 4—49488
Cerulli-Irelli, P., Egidi, A., Orfei, R., Vellante, M., Villante, U. Preliminary measurements of geomagnetic micropulsations at L'Aquila, Italy 4—61924
Ceruti, R. *see* Canavesio, F. 4—61094
Cerutti, S. Towards new methods of parametrization of R-R interval measurements 4—49260
Ceruzzi, A. *see* Miles, R.O. 4—37090
Cervellera, F. *see* Signorini, C. 4—33563
Cerveny, J. *see* Cizek, P. 4—61540
Cesarevic, A. *see* Janjic, J. 4—62349
Cesaroni, F. *see* Bizzarri, R. 4—55976
Cesaroni, F. *see* Centro, S. 4—55849
Ceschia, M., Michelacci, G. A further asymptotic estimate of the amplitude for the two-parameter Scott-Murata oscillator and a similar estimate for a three-parameter oscillator 4—46370
Cesnys, A., Oginskas, A., Butinaviciute, E., Lisauskas, V., Shiktorov, N. Breakdown in amorphous $GaTe_3$ and $InTe_3$ films in a pulsed electric field 4—58751
Cevenini, F. *see* Biagini, M. 4—47384
Cha, C., Wallenberg, R.F. Low frequency electromagnetic shielding of material enclosures 4—59819
Chaabi, A. *see* Dieulesaint, E. 4—52436
Chaadaev, V.V. *see* Trus'ko, V.L. 4—38782
Chaban, V.I., Belyi, L.A. A common mathematical model for synchronous and asynchronous machines as system elements 4—49834
Chabanov, A.I. *see* Bai, R.D. 4—34673
Chabata, S. *see* Ito, K. 4—36109
Chabries, D.M. *see* Patterson, T.J. 4—55249
Chadbourne, R.K., Jr. Operational test considerations for low quantity satellite systems 4—61851
Chaddock, K.M. A proposed architecture for a mobile telephone system utilizing multibeam satellite coverage 4—60723
Chadovich, I.I. *see* Obukhovich, R.F. 4—53663
Chadwick, M. *see* Simborg, D.W. 4—43805
Chaffey, N.J. Car interior light delay switch 4—40580
Chahine, M.T., Evans, N.L., Gilbert, V., Haskins, R.D. Requirements for a passive IR advanced moisture and temperature sounder 4—33975
Chahine, M.T. *see* Susskind, J. 4—61922
Chahine, R. *see* Akyel, C. 4—39288
Chai Sang Hun *see* Sang Hun Chai
Chai-Ok Kim *see* Eui-Hoon Kim 4—50028
Chaikovskii, A.P. *see* Scherbakov, V.N. 4—44910
Chailertvanitkul, A., Uchiyama, S., Kotaki, Y., Kokobun, Y., Iga, K. Fabrication of GaInAsP/InP hetero-multilayers by LPE 4—50798
Chaillet, B., Cabanel, J.P., Sazbon, D. Towards a formal approach for baseband local area networks carrying integrated real time voice and data traffic 4—54434
Chaisemartin, P. *see* Saucier, G. 4—29834
Chakalev, A.A. *see* Seregin, M.D. 4—40653
Chakhovskii, V.M. *see* Voronkov, M.E. 4—34295
Chakhovsky, V.M. *see* Akhmedov, R.B. 4—40365
Chaki, E., Minoda, K., Oka, M. Versatile air traffic control training simulator system 4—56255
Chakrabarti, A., Dowerah, S. Traveling waves in a parallel plate waveguide with periodic wall perturbations 4—31725
Chakrabarti, N.B. *see* Banerjee, S. 4—30636
Chakrabarty, D.R. *see* Ragoownsi, N.L. 4—33733
Chakraborti, N.B., Rakshit, S. Generation function in uniformly multiplying avalanche diode 4—58894
Chakraborti, N.B. *see* Kal, S. 4—37699
Chakraborti, N.B. *see* Rakshit, S. 4—55479
Chakraborty, A., Das, B.N. Phase scanning of one-dimensional pattern 4—31741
Chakraborty, D., Ehrmann, J., McCune, E.W. Wideband klystron high-power amplifiers for FDM/FM/FDMA applications 4—50982
Chakraborty, N.B. *see* Gangopadhyay, R. 4—43374
Chakravarthy, C.V. *see* Nasr, M.E.M. 4—58405
Chakravarty, D. The incredible shrinking circuits 4—58957
Chakravarty, D., Gottlieb, E. Programmable logic devices customize applications 4—29763
Chalcroft, J.P., Davey, C.L. A simply constructed extreme-tilt holder for the Philips eucentric goniometer stage 4—41792
Chalermtiragool, K. *see* Stanchina, W.E. 4—52005
Chaleyat-Maurel, M., Michel, D. Nonexistence results for a finite dimensional filter 4—53668
Chalifoux, J.-P., Genier, G. The design methodology used at the Ecole Polytechnique de Montreal: conceive, construct, compete 4—35214
Chalisov, Yu.I., Dodzina, T.Ya. Experimental analysis of the external magnetic field of electrotechnical apparatus 4—44591
Chalk, D., Hoeft, L.O., Hofstra, J.S. Comparison of surface transfer impedance measured with quadraxial and triaxial (IEC 96-1 and MIL-C-85485) test fixtures 4—37664
Challans, J.C. Connecting optical fibres 4—42379
Challener, P. The digital characteristic function: direct digital filter design in the z-plane 4—51475
Challis, R.E., Harrison, J.A. Transmission circuits for thick-transducer ultrasound transmission test systems 4—39757
Chalmers, A.N. The measurement of light and colour 4—55716
Chalmers, B. *see* Lambropoulos, J.C. 4—29461
Chalmers, B.J., Saleh, A.M. Induction machine with thin secondary of unlaminated steel 4—62519
Chalmers, C. Sharpening the competitive edge [computers in industry] 4—38466
Chalmers, D. Thermal design optimisation for spacecraft during Transfer Orbit 4—44880
Chalmers, D.R., Konzok, H.G., Bouchez, J.P., Howle, D. OTS-2: five years of thermal testing on a satellite in a geostationary orbit 4—44883
Chalmers, I.D., Farish, O., Gilbert, A., Dupuy, J. Leader development in short point-plane gaps in compressed SF_6 4—36929
Chalot, J.F. *see* Lferde, M. 4—55940
Chaloupka, H. Imaging of objects in a halfspace with unknown permittivity 4—47895
Chalov, P.I. *see* Samotsvetov, S.G. 4—33755
Chalov, P.I. *see* Vasil'ev, I.A. 4—55982
Chal'yan, K.M. Calculating losses and forces in shielded-phase current leads 4—45389
Chal'yan, K.M. *see* Meerovich, E.A. 4—56378
Chalyi, V.P. *see* Garbuzov, D.Z. 4—47470
Cham, K.M., Chiang, S., Wencur, D., Rung, R.D. Characterization and modeling of the trench surface inversion problem for the trench isolated CMOS technology 4—36849
Cham, K.M., Chiang, S.-Y. Device design for the submicrometer p-channel FET with n^+ polysilicon gate 4—47035
Cham, K.M., Oh, S.-Y. Computer aided design in VLSI device development 4—52312
Cham, K.M. *see* Chiang, S. 4—36880
Cham, M.G. *see* Philen, D.L. 4—52688

Cham, W.K., Allott, D., Clarke, R.J. Block classification image coding with combined transforms 4—60235
Chambaudet, A., Fellmann, D., Rebetez, M., Le Thanh, P. Automatic track counting 4—55899
Chambaudet, A., Le Thanh, P. Neutron detection with converter-track detector systems 4—55915
Chambaudet, A. *see* Le Thanh, P. 4—55904
Chamberlain, G.E., Day, G.W., Franzen, D.L., Gallawa, R.L., Kim, E.M., Young, M. Optical fiber characterization. Attenuation, frequency domain bandwidth, and radiation patterns 4—38652
Chamberlain, S.G., Husain, A., Gaensslen, F.H. Nonuniform displacement of MOSFET channel pinchoff 4—30631
Chamberlain, S.G., Husain, A., Gaensslen, F.H. Nonuniform displacement of MOSFET channel pinchoff 4—36581
Chamberlain, S.G., Lee, J.P.Y. A novel wide dynamic range silicon photodetector and linear imaging array 4—33158
Chamberlain, S.G., Lee, J.P.Y. A novel wide dynamic range silicon photodetector and linear imaging array 4—39062
Chamberlain, S.G., Lee, J.P.Y. Silicon imaging arrays with new photoelements, wide dynamic range and free from blooming 4—59350
Chamberlain, S.G. *see* Kumar, R. 4—47348
Chamberlin, E.P., Benage, J.F., Jr., Williams, H.E. Developing a 500 eV proton beam 4—61627
Chamberlin, H. A professional quality digital audio peripheral for small computers 4—38963
Chamberlin, P.E. *see* Bergeron, R.J. 4—52033
Chambers, G.R. *see* Sutherland, I.A. 4—33855
Chambers, J.L. An instrument for automated measurement of the angles of cut of doubly rotated quartz crystals 4—33487
Chambers, J.P. An improved binary rate multiplier 4—35901
Chambouleyron, I. *see* Alvarez, F. 4—59321
Chambrier, G.de *see* de Chambrier, G.
Chamerski, T., Kujawa, S., Wanat, E. The question of the electrical drive of a high capacity propeller pump 4—62734
Chamorro, J.L., Marin, D., Ruiz, C., Marana, G., Castejon, I., Santiago, R., Ortiz Berrocal, J. Evaluation of ejection fraction (EF) regional EF (REF) and parametric images in acute myocardial infarction (AMI) with special attention to right ventricular infarction 4—49191
Champlin, C.R., Prioste, J.E. Array-based logic boosts system performance 4—41277
Champness, C.H. *see* Ding, L. 4—37193
Champness, C.H. *see* Shih, I. 4—51829
Chamraz, J., Chmurny, J. The use of information theory in generating test sequences for LSI and VLSI circuits 4—39046
Chamraz, J. *see* Chrmurny, J. 4—46494
Chamzas, C.C., Xu, W.Y. An improved version of Papoulis-Gerchberg algorithm on band-limited extrapolation 4—47834
Chan, A., Single, P., Deschene, D. 300 Bd modem in CMOS technique. All important functions within a module 4—35697
Chan, C.C. Axial-field electrical machines and their applications 4—34565
Chan, C.F., White, M.H. Characterization of surface and buried channel ion sensitive field effect transistors (ISFET's) 4—39354
Chan, C.H. *see* Ray, T.G. 4—33211
Chan, C.-K., Chen, C.-F. An efficient approach to noncausal filtering 4—53618
Chan, C.Kuo *see* Kuo Chan, C.
Chan, C.P. *see* Shuter, W.L.H. 4—37738
Chan, D.S.H., Phang, J.C.H. A method for the direct measurement of solar cell shunt resistance 4—39265
Chan, D.S.H. *see* Phang, J.C.H. 4—40435, 4—45654
Chan, D.S.K. Accurate depth determination in well logging 4—33465
Chan, F.H.Y., Poon, P.W.F., Cheng, K.H., Li, H.F., Hwang, J.C.C. A microcomputer-based binaural measurement system 4—56102
Chan, H.T., Israelson, R. Estimation of the parameters of a sinusoid and its detection 4—37978
Chan, K., Ito, H., Inaba, H. All-optical remote monitoring of propane gas using a 5-km-long, low-loss optical fiber link and an InGaP light-emitting diode in the 1.68-μm region 4—55368
Chan, K.H. *see* Lin, J.C. 4—49182
Chan, N.H. *see* Rawal, B.S. 4—58566
Chan, P., Chua, S.J., Tjhung, T.T. Adjacent wavelength interference effects on optical fibre systems error rates 4—44084
Chan, P., Line, J.S. One-dimensional processing for adaptive image restoration 4—60251
Chan, P.K.W. Inspection policies for protection equipment in power systems 4—34218
Chan, S. *see* Soderman, D. 4—58294
Chan, S.M. Modal controllability and observability of power system models 4—45077
Chan, S.M., Cresap, R.L., Curtice, D.H. Wind turbine cluster model 4—56899
Chan, S.S. *see* Skromme, B.J. 4—41839
Chan, T., Barrett, O.R., Chen, C.W., Abendini, Y., Wen, D.D.D. A 488×430 interline transfer CCD imager with integrated exposure and blooming control 4—55276
Chan, T.F. Deflation techniques and block-elimination algorithms for solving bordered singular systems 4—29407
Chan, T.F. Newton-like pseudo-arclength methods for computing simple turning points 4—29414
Chan, T.F. On the existence and computation of *LU*-factorizations with small pivots 4—46061
Chan, T.V. In search of the artistry in educational technology 4—45858
Chan, V.W.S. *see* Abbas, G.L. 4—32826, 4—54798
Chan, V.W.S. *see* Jeromin, L.L. 4—32823, 4—44141, 4—54807
Chan, V.W.S. *see* Van Hove, P. 4—44142
Chan, V.W.S. *see* Yuen, H.P. 4—44139
Chan, W.-C. *see* Hus, Y.-Y. 4—34104
Chan, W.H., Lusis, M.A., Stevens, R.D., Vet, R.J. A precipitation sampler intercomparison 4—56338
Chan, W.-Y. *see* Mahmoud, S.A. 4—32690
Chan, Y.D. *see* Van Bibber, K. 4—33672
Chan, Y.H., Masters, M.R., Mosley, J.M. SCR pull-up circuit 4—46333
Chan, Y.H., Strik, J.R. Data selection scheme for bipolar arrays 4—51216
Chan, Y.T., Miskowicz, R.K. Estimation of coherence and time delay with ARMA models 4—43333
Chan, Y.T., Wood, J.C. A new order determination technique for ARMA processes 4—47842
Chan, Y.T., Yansouni, P., Crozier, S. Time delay estimation with low signal to noise ratios 4—60056
Chan Deqin *see* Tang Xiande 4—37045
Chan Sik Hwang, Young Serk Shim A new digital echo canceler for baseband data transmission in two-wire subscriber lines 4—54617
Chan-O Kim *see* Dal-Ho Im 4—45471
Chanal, V. Microcomputing in the service of videotex 4—54200
Chanas, S., Kolodziejczyk, W. Real-valued flows in a network with fuzzy arc capacities 4—50655
Chanda, B., Chaudhuri, B.B., Majumder, D.D. Application of least square estimation technique for image restoration using signal-noise correlation constraint 4—60184
Chanda, B., Chaudhuri, B.B., Majumder, D.D. Some algorithms for image enhancement incorporating human visual response 4—60210
Chanda, B. *see* Chaudhuri, B.B. 4—47916
Chande, P.K., Sharma, P.C. A fully compensated digital ultrasonic sensor for distance measurement 4—55676
Chander, S., Kumar, S., Yadav, J.S., Sharma, A.P. Study of heavy ion tracks in different samples of cellulose nitrate 4—55973
Chandler, D. *see* Veit, A. 4—49920
Chandler, W.T., Ghosh, A.K., Mahoney, W.M. Superplastic forming and diffusion bonding of Inconel 718 4—33949
Chandole, S.V., Bhale, K.K., Hulsurkar, U.V., Shah, S.S. Variation in a-germanium alloy thin films 4—51791
Chandole, S.V., Shah, S.S. On the localised states in amorphous germanium 4—51792
Chandra, A., Chauhan, J.P.S. Interelectrode breakdown in MHD power generators 4—34943
Chandra, A.K., Chang, H., Wong, C.K. Torus memory implemented by bubble and CCD technologies 4—47205
Chandra, B. *see* Szabo, P.P. 4—49328
Chandra, F.S. *see* Bhushan, S. 4—42465
Chandra, G. *see* Ramakrishnan, S. 4—55724
Chandra, I. *see* Gulati, R. 4—58928
Chandra, K.S. *see* Rao, M.V.C. 4—46126
Chandra, M.M. *see* Sreenath, R.N. 4—30590
Chandra, S., singh, D.P., Sahu, S.N. A simple theoretical model for photoelectrochemical solar cell 4—62707
Chandra, S.K. *see* Gupta, R.P. 4—34537
Chandra Mouly, M.C., Phani Raj Kumar, K., Bhupathi Reddy, K., Subba Rao, B.V. Evaluation of radome materials 4—37786
Chandra Mouly, M.C., Ranganadha Rao, V., Raja Rao, C. Towards optimal designs for microwave anechoic chambers 4—38961
Chandran, S. *see* Yegnanarayana, B. 4—53515
Chandrasekaran, R. *see* Arul Raj, I. 4—34871
Chandrasekaran, S. *see* Chen, D.Y. 4—41661
Chandrasekhar, S. *see* Rao, U.R. 4—61905
Chanel, G. *see* Anders, H. 4—33740
Chanerley, A.D. Oric A/D converter. II 4—29934
Chang, B.C. *see* Tou, C.P. 4—60645
Chang, C., Brodersen, R.W., Hu, C. Direct and Fowler-Nordheim tunneling in thin gate oxide MOS structure 4—30457
Chang, C., Liang, M.-S., Hu, C., Brodersen, R.W. Carrier tunneling related phenomena in thin oxide MOSFETs 4—36861
Chang, C. *see* Liang, M.-S. 4—36626
Chang, C.A. Low-temperature formation of siO_2 on metal lines 4—52195
Chang, C.A., Mendez, E.E., Chang, L.L., Esaki, L. Quantum wells of InAs between AlSb 4—51856
Chang, C.-B., Tabaczynski, J.A. Application of state estimation to target tracking 4—32851
Chang, C.F., Bye, R.L., Laxmanan, V., Das, S.K. Texture and magnetic properties of rapidly quenched Fe-6.5 wt.% Si ribbon 4—59134
Chang, C.L., Ott, E., Antonsen, T.M., Jr., Drobot, A.T. Theory of the rippled field magnetron 4—30266
Chang, C.L. *see* Ott, E. 4—51692
Chang, C.S., Hsieh, C.M. Schottky barrier diode with self-aligned guard ring 4—36534
Chang, C.S. *see* Ho, P.T. 4—59328
Chang, C.-S. *see* Lee, L.-S. 4—47796
Chang, C.Y. *see* Chin, T.-S. 4—47171
Chang, C.Y. *see* Fang, Y.K. 4—30634
Chang, D. *see* Metzner, J.J. 4—32500
Chang, D.C. *see* Greenlee, D.H. 4—37719
Chang, D.C. *see* Liu, B.-H. 4—37617, 4—37662
Chang, D.C. *see* Wilson, P.F. 4—37663
Chang, G.K., Weston, H.T., Hartman, A.R., Wong, Y.H., Anidjar, J. The dual gate diode switch—a merged structure for bidirectional current switching 4—36116
Chang, H. Bubble structure and operation to facilitate tree traversal 4—31046
Chang, H., Lee, S.Y. Bubble array logic 4—31045
Chang, H., Lee, S.Y. Sequenced readout in a bubble domain associative memory 4—37038
Chang, H., Morton, S.G., Agrawal, B.P. Line, trunk, and service circuit test system of ITT System 1240 4—54522
Chang, H. *see* Chandra, A.K. 4—47205
Chang, H.J., Elie, G.T. Method to reduce bird's beak formation in recessed oxide isolation using polysilicon 4—41989
Chang, I.C., Lee, S. Efficient wideband acousto-optic Bragg cells 4—52732
Chang, I.C., Weverka, R.T. Multifrequency acousto-optic diffraction in wideband Bragg cells 4—52736
Chang, I.-C. *see* Gabel, A. 4—52699
Chang, J., Martinez, C., Foesch, J.A., Black, J.P., Malone, R., Ward, M., Jordan, G., Manning, J. A high speed multichannel data recorder 4—33142
Chang, J.-C., Okoshi, T. Volume-type multiple hologram memory using PMMA thick films 4—42735
Chang, J.-C., Okoshi, T. Quasi-one-dimensional volume-type hologram memory 4—47518
Chang, J.-F., Lu, L.-Y. Demand assigned packet broadcast system with buffers and trailer transmission 4—32780
Chang, J.-M., Maxemchuk, N.F. A broadcast protocol for broadcast networks 4—32123
Chang, J.S. Selective reactive ion etching of silicon dioxide 4—42002
Chang, J.-S., Revankar, S.T., Raman, R., Tran, F.B.P. Application of EHD technique to a nuclear power plant emergency core cooling system 4—56768
Chang, K., Sun, C. Millimeter wave planar integrated circuit developments for communication applications 4—30115
Chang, K., Sun, C. Integrated circuit components and receivers for millimeter-wave applications 4—41604
Chang, K. *see* Nguyen, C. 4—41583
Chang, K. *see* Sun, C. 4—44050
Chang, K.-C., Bar-Shalom, Y. Joint probabilistic data association for multitarget tracking with possibly unresolved measurements and maneuvers 4—54849
Chang, K.-K., Eno, B.E. Feasibility of a solar-driven thermoelectric residential heat pump 4—40625
Chang, K.S. *see* Sacarisen, S.P. 4—51302
Chang, K.W. *see* Tuan, H.S. 4—52474
Chang, K.Y. Videotex through microcomputers with a review of current development in Canada 4—54244
Chang, L.L., Dunn, J.M., Renuart, C.M., Rettew, J.H. Hierarchical multiprocessor system for telephone switch network 4—43877
Chang, L.L. *see* Chang, C.A. 4—51856
Chang, L.L. *see* Chin-An Chang 4—51821
Chang, L.L. *see* Mendez, E.E. 4—58775
Chang, L.L. *see* Washburn, S. 4—30412
Chang, L.S. *see* Farhat, N.H. 4—43412
Chang, M. Holography: from fun to profit 4—37487
Chang, M. Holographic camera: a design and testing tool 4—59651
Chang, M. *see* Baliga, B.J. 4—52141
Chang, M.B. *see* Guerin, J.-M. 4—53603
Chang, M.F., Lee, C.P., Asbeck, P.M., Vahrenkamp, R.P., Kirkpatrick, C.G. Role of the piezoelectric effect in device uniformity of GaAs integrated circuits 4—52274
Chang, M.F., Lee, C.P., Hou, L.D., Vahrenkamp, R.P., Kirkpatrick, C.G. Mechanism of surface conduction in semi-insulating GaAs 4—36262
Chang, M.F., Pifer, G.C., Baliga, B.J., Adler, M.S., Gray, P.V. 25 amp, 500 volt insulated gate transistors 4—36619
Chang, N.S. Magnetically tunable wideband magnetostatic-surface-wave filter using Ga-YIG film 4—37034

Chang, P. Integral electrophotographic module 4—37544
Chang, P. *see* Fang, R. 4—32778
Chang, P.C., Hsia, S. Selective plasma etching of polysilicon 4—42003
Chang, R.F. *see* Masui, R. 4—55712
Chang, R.K. *see* von Raben, K.U. 4—41746
Chang, R.-S. Real world optical design and the vision feedback 4—53852
Chang, S. New constant-current controlled astable multivibrator for generating sawtooth and square waves 4—51032
Chang, S.C. Further results on coding for T-user multiple-access channels 4—43113
Chang, S.C. Further results on coding for T-user multiple-access channels 4—43190
Chang, S.-C. *see* Luh, P.B. 4—29351
Chang, S.H., Matsumura, S., Teii, S. Traveling-wave excitation of helical electrode TE N_2 laser 4—59444
Chang, T. *see* Zeman, R. 4—51231
Chang, T.H.P. *see* Kern, D.P. 4—30706
Chang, T.P., Wilcox, N.A., Tatterson, G.B. Application of image processing to the analysis of three-dimensional flow fields 4—55755
Chang, T.S. *see* Luh, P.B. 4—35358
Chang, T.-S. *see* Luh, P.B. 4—29351, 4—50639
Chang, T.Y. *see* Caridi, E.A. 4—52023
Chang, T.Y. *see* Cheng, C.L. 4—36641, 4—42062
Chang, W.H., Geppert, L.M. Immediate-resetting decoder [Josephson junction memory] 4—41353
Chang, W.S.C. *see* Forouhar, S. 4—52546
Chang, W.W. *see* Lin, A.T. 4—42494, 4—55795
Chang, Y., Leung, C. A performance comparison of some specific ARQ schemes including error correction 4—32105
Chang, Y., Leung, C. On Weldon's ARQ strategy 4—37795
Chang, Y. *see* Hu, Z. 4—35693
Chang, Y.C. *see* Masselink, W.T. 4—51816
Chang, Y.H. *see* Bershad, N.J. 4—53676
Chang, Y.I., Till, C.E. Cost reduction potential in LMFBR design 4—40033
Chang, Y.-M. *see* Grot, R.A. 4—55247
Chang Chin-An *see* Chin-An Chang
Chang Chun-Yen *see* Chun-Yen Chang
Chang Chung-hua A result on the pulse area transform by the linear system and its applications 4—50913
Chang Chunyu *see* Wang Tingfu 4—31469
Chang Gee Keun *see* Gee Keun Chang
Chang Ik Soo *see* Ik Soo Chang
Chang Jhy-Jiun *see* Jhy-Jiun Chang
Chang Jo-Mei *see* Jo-Mei Chang
Chang Kim Jae *see* Jae Chang Kim
Chang Kok Wai *see* Kok Wai Chang
Chang Ming-Wen *see* Ming-Wen Chang
Chang Qin-jian *see* Qin-jian Chang
Chang Rong-Seng *see* Rong-Seng Chang
Chang Rong-Yeu *see* Rong-Yeu Chang
Chang Sheng-yi *see* Wu Zhi-yuan 4—44231
Chang Soon Heung *see* Soon Heung Chang
Chang Suk Kim, Kap Seok Choi A study on the microprocessor implementation of the moving average filter 4—46582
Chang Sun Yoon *see* Wha Tek Kim 4—51805
Chang Te-shih An inductive voltage divider with sectional equipotential shielding 4—51480
Chang Tian-bao *see* Tian-bao Chang
Chang Tong-jun *see* Li Sze-yuan 4—51882
Chang Yu-Jeng *see* Yu-Jeng Chang
chang-guo Lu *see* Lu chang-guo
Chang-hong Liang *see* Liang Chang-hong
Chang-lu Zhao *see* Zhao Chang-lu
Chang-tao Qiu *see* Qiu Chang-tao
Changlian Yi *see* Yi Changlian
Changqi Yang *see* Yang Changqi
Changrong Ding *see* Ding Changrong
Changxing Zhou *see* Zhou Changxing
Changzheng Wu *see* Wu Changzheng
Channin, D.J., Sergi, J.B., Patterson, D.R., Siegel, S.A., Viola, J.P. Fiber-optic 200-Mbit local area network 4—54816
Channin, D.J. *see* Siegel, S.A. 4—38619
Chanson, S.T., Pang, J.F. An efficient data compression method 4—31988
Chanson, S.T. *see* Vuong, S.T. 4—32417
Chante, J.P. *see* Boisson, V. 4—36321
Chantrell, R.W., Lyberatos, A., Wohlfarth, E.P. Anhysteretic properties of interacting magnetic tape particles 4—31010
Chao, A., Hwang, W. Bayes estimation of reliability for special *k*-out-of-*m*:*G* systems 4—50592
Chao, C.C. *see* Agarwal, A.K. 4—36634
Chao, H.H., Iyer, S.S., Taur, Y. Stepped oxide spacer process for self-aligned silicide without bridging 4—30531
Chao, H.L., Parker, T.E. Tensile fracture strength of ST cut quartz 4—36933
Chao, K.S. *see* Tsay, C.Y. 4—42137
Chao, P. *see* Lior, N. 4—50119
Chao, P.C., Smith, P.M., Wanuga, S., Hwang, J.C.M., Perkins, W.H., Tiberio, R., Wolf, E.D. Electron-beam fabrication of quarter-micron T-shaped-gate FETs using a new tri-layer resists system 4—36058
Chao, P.C., Yu, T., Smith, P.M., Wanuga, S., Hwang, J.C.M., Perkins, W.H., Lee, H., Eastman, L.F., Wolf, E.D. Quarter-micron gate length microwave high electron mobility transistor 4—58549
Chao, P.C. *see* Dandekar, N. 4—58543
Chao, R.L. Comparison of high performance logic families 4—51176
Chao, S.L., Schnurr, A.D. Unstable resonator alignment using off-axis Gaussian beam propagation 4—53019
Chao, S.S. *see* Gonzalez-Hernandez, J. 4—30302, 4—46232
Chao, T.H. *see* Yu, F.T.S. 4—32034, 4—43407
Chao, V.W., Ito, H., Lin, B.J., Petrillo, K.E., Willson, C.G. Self-developing resists for direct-viewing alignment 4—51947
Chao Jian-an *see* Bai Yuan-gen 4—44215
Chao Shu-jiang Design and analysis of second-order active R filter circuits 4—46553
Chao Shu-shen *see* Wang De-ning 4—52953
Chao Wang *see* Wang Chao
Chao Ye *see* Peihui Liang 4—59575
Chao Ye *see* Ye Chao
Chao-ding Jin *see* Jin Chao-ding
Chaochen Zhou *see* Zhou Chaochen
Chaofan Rong *see* Rong Chaofan
Chaojiang Nie *see* Nie Chaojiang
Chaojun Zhang *see* Zhang Chaojun
Chaoqing Chen *see* Chen Chaoqing
Chaparro, L.F. Recursive two-dimensional spectral factorization 4—37998
Chaparro, L.F. Recursive two-dimensional spectral factorization 4—60020
Chapdelaine, N.K. *see* Beffel, R.R. 4—32585
Chapel, G. Data by satellite [Arabsat] 4—60752
Chapelat, Geeraert, Blondeau, Coll Laying and splicing of optical cables in the Biarritz network 4—38600
Chapelon, J.Y. *see* Cathignol, D. 4—56114
Chaplin, J., Fromm, H.-H., Rosetti, C. Broadcasting of sound radio programmes by satellite direct to portable and vehicle receivers: a proposal for Africa 4—38507
Chaplinskii, V.V. *see* Kotov, M.N. 4—58495
Chapman, A.G., Aghvami, A.H., Aitchison, C.S. The microwave subsystem for CERS 4—38578
Chapman, A.G. *see* Salameh, S. 4—31949
Chapman, D.H. *see* Faber, L. 4—59778
Chapman, D.J. Data communications considerations for the monitoring and control of a large electric system 4—34109
Chapman, D.W. Combination of rotary and linear actuators 4—47189
Chapman, G. Methods and practices of installing and maintaining underground distribution in rural areas 4—62184
Chapman, J. BeeBMIDI [Musical Instrument Digital Interface] 4—48638
Chapman, J. Understanding the DX7. III [voice synthesizer] 4—48640
Chapman, J. Understanding the DX7 [electronic music synthesizer] 4—55095
Chapman, J. Understanding the DX7. V [electronic musical instrument] 4—61124
Chapman, J. BeeBMIDI. III [musical interface programming] 4—61125
Chapman, J., Eagle, D. BeeBMIDI. II. [computer interface] 4—55094
Chapman, J.A. *see* Easton, B.C. 4—41098
Chapman, J.D. The design of a disc controller module. I 4—58416
Chapman, J.E., Wu, D., in't Veld, S., Prideaux, P.H., Aggarwal, I.D. Design and fabrication of single-mode cable 4—59198
Chapman, J.E., Wu, D., Veld, S.H., Prideaux, P.H., Aggarwal, I.D. Design and fabrication of single mode fiber cable for 1.3 μm operation 4—32839
Chapman, J.N. *see* Wu, Y.C.L. 4—40485
Chapman, K.E. *see* Keller, N.A. 4—61726
Chapman, K.R. The Florida State University post accelerator—progress report 4—33574
Chapman, L.D. *see* Staudenmann, J.-L. 4—56055, 4—56057
Chapman, R., Durrani, T.S. Circularly symmetric filter design using 2D prolate spheroidal sequences 4—53740
Chapman, R., Willey, T., Durrani, T.S. The implementation of lattice digital filters using systolic arrays 4—51477
Chapman, R. *see* Sanderson, N.E. 4—33760
Chapman, R. *see* Turino, J. 4—30664
Chapman, R. *see* Willey, T. 4—60113
Chapman, R.E. Argon and reactive ion beam etching for SAW devices 4—41724
Chapman, R.F. *see* Dixon, T.H. 4—44903
Chapman, R.L. *see* Chen, C.K. 4—50802
Chapman, S.G., Youlton, H.G. Plasma etching of polymide through an aluminum mask 4—30535
Chapman, T.C., Gross, J.M. Improved computerized acquisition and analysis of gamma ray spectra 4—33764
Chapman, T.C. *see* Fernandez, S.J. 4—33903
Chapman, W.W., Cooper, G.R. An analysis of an overlaid DPSK-FH spread spectrum communication system 4—32654
Chapman, W.W., Cooper, G.R. Performance analysis of a DPSK-FH spread spectrum overlay operating with narrow band interference 4—43999
Chapnin, V.A. *see* Kon'kov, V.V. 4—31252
Chaporov, D.P. *see* Arutyunov, V.A. 4—55138
Chapoton, A. *see* Bernard, R. 4—56273
Chapoton, A. *see* El Kadiri, M. 4—61502
Chappell, B., Schuster, S., Sai-Halasz, G. Stability and soft error rates of SRAM cells 4—51235
Chappell, B. *see* Schuster, S. 4—51241
Chappell, C.D., Banas, E.C. Integrating surface mounted technology into manufacturing 4—57850
Chappell, D.A. Non-contact high precision gauging 4—48846
Chappelow, R.E. Image matching: a method for overlay error reduction 4—36385
Chappelow, R.E., Higgins, J.J., Mitchell, P.H. Multipoint alignment: methods for providing improved overlay yield 4—51946
Chappey, M., Bergeret, P. The energy policy of the French Telecommunications 4—56534
Chappuis, C. *see* Goedgebuer, J.P. 4—31443
Chapuis, J.-M. *see* Beer, A. 4—61682
Chaput, E., Arnaud, G. Optimization of Fresnel mirror heliostat with altazimuthal tracking 4—57348
Charalambous, C. On conditions for optimality of a class of nondifferentiable functions 4—40976
Charalambous, P.M., Dean, A.J., Drane, M., Gil, A., Stephen, J.B., Young, N.G.S., Butler, R.C., Caroli, E., Di Cocco, G., Spada, G., Spizzichino, A., Barbareschi, L., Perotti, F., Villa, G., Badiali, M., La Padula, C., Polcaro, F., Ubertini, P. Two-dimensional low energy gamma-ray position sensitive detector 4—39424
Charalambous, S. *see* Zamani, M. 4—55895, 4—55951
Charalambus, B. *see* Hartz, K. 4—56773
Charatischwili, N.G., Lange, J. Determination of optimal quantizing parameters by methods of dynamic optimization 4—37848
Charbon, D. CABLEX SA, Morges 4—56611
Charbonneau, S. *see* Fortin, E. 4—51832
Charbonneau, S. *see* Jordan, B. 4—43248
Charcosset, G. *see* Tixier, M. 4—53207
Charef, M. *see* Chu Hao 4—30442
Charland, M.J. A high performance multichannel analyzer with integral touch sensitive video display 4—33752
Charlec, J.-P. *see* Dansas, P. 4—42029
Charles, B. Procuring computer systems for an open-network environment 4—54346
Charles, D., Stein, R.B. Bioelectric control of powered prosthesis for amputees 4—56188
Charles, H.K., Jr. *see* Clatterbaugh, G.V. 4—58664
Charles, J.P. *see* Mialhe, P. 4—45659
Charlot, X. *see* Julien, J. 4—33690
Charlton, A., Ewart, P. A simple, high power, nanosecond pulse Nd:YAG laser 4—47443
Charman, W.R. *see* Adam, J.F. 4—62215
Charney, J.L. *see* Boss, B.B. 4—57484
Charny, L. *see* Bloom, J.A. 4—62124
Charpak, G. *see* Anderson, D.F. 4—61680
Charpak, G. *see* Breskin, A. 4—39414
Charpak, G. *see* Peisert, A. 4—33689
Charpille, G. *see* Goure, J.P. 4—39340
Charrat, O., Demoment, G., Segalen, A. High voltage impulse restoration with a fast deconvolution technique 4—45187
Charreyre, M., Thiebaut, J., Roussy, G. Permittivity measurement of materials during high-power microwave irradiation and processing 4—55642
Charyk, J.V., Metzger, S. Earth stations for fixed and mobile services 4—54689
Chase, A. *see* Amimoto, S.T. 4—37438
Chase, B.D. *see* Beeteson, J.S. 4—33159
Chase, H.A. On convergence criteria for Jarratt's method 4—46173
Chase, R.C. *see* Burstein, P. 4—35525
Chase, R.L., Dialinas, M., Fournier, D., Jean, Ph., Lefrancois, J., Lutz, A.M., Corbett, I., Berging, G., Guyot, C., Gosset, L., Micolon, P., Perez, P., Rander, J., Renardy, J.-F. A new readout scheme for liquid argon calorimeters 4—39426
Chase, R.L. *see* Richer, J. 4—33753
Chashnikov, I.G. *see* Brylevskii, V.I. 4—58916
Chassagne, D. *see* Dutreix, A. 4—44770
Chassay, G. Point representation of the contribution made by the shadow boundary on a radar target and its introduction into the discrete scatterers model 4—38664
Chassignet, C., Cattan, M., Margery, C. Document management system for Framatome projects 4—62296
Chatard, J.P., Sirieix, M. Impact of focal plane technologies on IR system design 4—55229
Chatelain, J.-D. The Test Centre at FAVAG SA Microelectronic 4—57814
Chateleux, W.L.F.H.A.Moize de *see* Moize de Chateleux, W.L.F.H.A.
Chatrefou, D. *see* Adolf, A. 4—31477
Chatterjee, A.K. *see* Bose, A. 4—33742
Chatterjee, B.G., Medoff, B.P. Algorithmically specialized processors 4—35928

Chatterjee, J.K., Mittal, A.P. A novel method for reduction of reactor weight in a dual converter 4—57223
Chatterjee, J.K., Swaminathan, G. A new technique for reduction of output voltage harmonics in PWM inverters 4—57228
Chatterjee, M.L. *see* Basu, P. 4—33732
Chatterjee, P. *see* Cox, P. 4—36863
Chatterjee, P.C. *see* Reddy, B.R.S. 4—49218
Chatterjee, P.K. *see* Shichijo, H. 4—36627
Chatterjee, S. *see* Chellappa, R. 4—60245
Chatterjee, S. *see* Pandit, V.S. 4—33612
Chatterjee, S.D. *see* Sengupta, T.K. 4—30467
Chatterton, P.A. Recent developments in vacuum breakdown and discharge physics relevant to accelerator tube design 4—33590
Chattopadhyay, D. Mobility in *n*-(Al, Ga)As/GaAs heterojunctions at moderate electric fields 4—41866
Chattopadhyay, D. *see* Ghosal, A. 4—36261
Chattopadhyay, T.P. *see* Biswas, B.N. 4—58895
Chaturvedi, A.K. Echo suppression in satellite circuits 4—38554
Chaturvedi, G.K. *see* Srinath, N.V. 4—60888
Chaturvedi, U.K., Shrinet, V., Agrawal, S.K., Nigam, A.K. Improvements in the vacuum system of a VDG accelerator used for clean ion implantation 4—36452
Chau, P.M. *see* Linderman, R.W. 4—60065
Chau, S. *see* Ma, F.K. 4—60715
Chau-Chun Lu, N. *see* Chih-Yuan Lu 4—46800
Chaubert, A., Moret, E. Technical aspects of the hydro pump-turbines at La Coche, based on eight years' experience 4—56885
Chaudhari, P. *see* Bermon, S. 4—53234
Chaudhri, M.A., Joraide, A.A., Corner, W.D. A microcomputer-controlled system for the measurement of magnetostriction with a 13 T superconducting solenoid 4—33258
Chaudhry, M.A., Haidar, A.R., Jonscher, A.K. Dielectric effects of moisture in layered and porous materials 4—59053
Chaudhry, M.L. *see* Yao, D.D.W. 4—46081
Chaudhuri, A.B., Sharma, R.P., Sharma, M.K. Assessment of vegetation cover in India: LANDSAT images on band 5 black and white of 1980-2 4—61996
Chaudhuri, A.K. *see* Santhanam, S. 4—30385, 4—41858
Chaudhuri, B., Ganguly, A.K., Baliga, B.B. Alpha spectrometry with CR-39 4—33773
Chaudhuri, B.B. A note on fast algorithms for spatial domain techniques in image processing 4—32030
Chaudhuri, B.B. Digital line segment coding: a new efficient contour coding scheme 4—53903
Chaudhuri, B.B., Chanda, B. The equivalence of best plane fit gradient with Robert's, Prewitt's and Sobel's gradient for edge detection and a 4-neighbour gradient with useful properties 4—47916
Chaudhuri, B.B. *see* Chanda, B. 4—60184, 4—60210
Chaudhuri, P., Ray, S., Barua, A.K. The effect of mixing hydrogen with silane on the electronic and optical properties of hydrogenated amorphous silicon thin films 4—41851
Chaudhuri, S., Bhattacharyya, J., De, D., Pal, A.K. Characterization of CdS film prepared by hot wall technique 4—58736
Chaudhuri, S., Das, M.B. On the determination of source and drain series resistances of MESFETs 4—52116
Chaudhuri, S.R. *see* Bandyopadhyay, T.K. 4—46899
Chaudiere, H. *see* Moore, D. 4—48649
Chauhan, J.P.S. *see* Chandra, A. 4—34943
Chaum, D. Blind signature system 4—53434
Chaum, D. *(editor)* Advances in Cryptology. Proceedings of Crypto 83 4—50336
Chaumont, J.M. Digitalisation of high speed signals 4—35874
Chaurette, W.F. *see* Baird, A.W. 4—47185
Chaushanskii, S.A. *see* Vasin, B.L. 4—55281
Chaussat, C. *see* Deneuville, A. 4—50803
Chautemps, J., Bernier, F. Improvements in charge-transfer photosensitive devices 4—55494
Chauvel, Y., Morvan, A. The teletex service 4—54147
Chauvierre, M. Problems of the use of lenticular screens in tri-dimensional television 4—43416
Chave, A.D. The Frechet derivatives of electromagnetic induction 4—49446
Chavel, P., Dettwiller, L., Mercier, R. Optical preprocessing for texture classification using specialized binary black and white pseudocoloring masks 4—43445
Chavel, P., Strand, T.C. Range measurement using Talbot diffraction imaging of gratings 4—33457
Chavel, P. *see* Dettwiller, L. 4—43401
Chavel, P. *see* Kuan, D.T. 4—60252
Chavel, P. *see* Tanguay, A.R., Jr. 4—37177, 4—42424
Chaves, N. Brazil—moving into its own [satellite communication development] 4—60772
Chavez, A. *see* Balcazar-Garcia, M. 4—55820
Chavez-Cortes, M. *see* Noyola-Isgleas, A. 4—49219
Chavis, C.S. *see* Orzechowski, T.J. 4—47368
Chavis, P. *see* Hsiao, Y.H. 4—49211
Chawla, M.M., Sharma, S.R. Absolute stability of explicit Runge-Kutta-Nystrom methods for $y''=f(x,y,y')$ 4—29419
Chay, J.K. Fast co-processor meets factory's real-time needs 4—38297
Chay, S.C. Use of Bayesian method in reliability estimation 4—46041
Chayahara, A. *see* Hamasaki, T. 4—30355, 4—41078
Chayes, D. *see* Kosalos, J.G. 4—61985
Che Mingyu *see* Zhong Qiming 4—31190
Che Sun *see* Sun Che
Cheah Chee-Wah *see* Chee-Wah Cheah
Cheberyak, M.S. *see* Barannikov, A.L. 4—37497
Chebotaev, V.P. *see* Zakhar'yash, V.F. 4—52916
Chebotarev, V.V. *see* Manoilo, V.S. 4—46390
Cheburakhin, I.M. *see* Popov, V.I. 4—34753
Cheburkin, N.V. *see* Averin, A.P. 4—42549, 4—59390, 4—59451
Cheburkin, N.V. *see* Galushkin, M.G. 4—42714
Chebyshev, V.V. A method for the numerical investigation of a helical radiator in printed form in a phased antenna array 4—42989
Checa, F. *see* Montilla, J. 4—53104
Chechik, R. *see* Breskin, A. 4—39428
Chechurin, V.L. Magnetic field and eddy current calculations for plates and shells 4—59705
Chechurin, V.L. *see* Strekalovskaya, S.V. 4—42757
Chechushkov, G.A. *see* Metelitsa, Ya.V. 4—56685
Chee, K.T. *see* Mar, H.A. 4—35473, 4—50762
Chee-Wah Cheah *see* Jussawalla, M. 4—32413
Cheek, G.C., Mertens, R.P., van Overstraeten, R., Frisson, L. Thick-film metallization for solar cell applications 4—45636
Chefurka, P.V. *see* Bennett, J.M. 4—43739
Chein, M., Habib, M. Jump number of DAGS having Dilworth number 2 4—46112
Chekalinskaya, Yu.I. *see* Ledneva, G.P. 4—42667
Chekan, A.V. *see* Zaitsev, S.V. 4—61512
Chekanov, V.A. *see* Konopleva, R.F. 4—30307
Chekhin, L.P., Golikov, V.A. The IOZ-1 miniature instrument for measuring natural underwater irradiance 4—39721
Chekima, A. *see* Pearlman, W.A. 4—47756
Chekmarev, V.P. *see* Simeonova, Yu.M. 4—48896
Chelidze, T.Ya. *see* Barkhudarov, E.M. 4—53112
Chellappa, R., Chatterjee, S. Classification of textures using Markov random field models 4—60245
Chellappa, R. *see* Sharma, G. 4—53685, 4—53686
Chelle, F.De *see* De Chelle, F.
Chellini, R. The new PGT 25 gas turbine for mechanical drive applications 4—62412
Cheltsov, M.B. *see* Krogeris, A.F. 4—39986
Chemeresyuk, G.G. *see* Serdyuk, V.V. 4—46821
Chemeris, V.T. *see* Vas'korskii, Yu.N. 4—62536
Chemeris, V.T. *see* Vas'kovskii, Yu.N. 4—45536
Chemla, D.S. *see* Miller, D.A.B. 4—53055
Chemla, D.S. *see* Wood, T.H. 4—38655
Chemouil, P. *see* Gauthier, P. 4—54574
Chen, B. *see* Cordero-Iannarella, R.F. 4—61328
Chen, B.-U. *see* Stephens, W.E. 4—53006
Chen, C. *see* Harada, K. 4—57196
Chen, C.C. *see* Chen, N.P. 4—36758
Chen, C.F., Ahmad, M.B. Evaluating the gain of a flow graph by the Grassmann algebra 4—46121
Chen, C.F., Chen, M.M. A computer aided method for symbolic transfer function determination 4—29585
Chen, C.F. *see* Tai, L.C. 4—43342
Chen, C.-F. *see* Chan, C.-K. 4—53618
Chen, C.H. Characterization and recognition of underwater transient signals 4—53764
Chen, C.H. *see* Fang, Y.K. 4—30634
Chen, C.H. *see* Pau, L.F. 4—50556
Chen, C.H. *see* Steen, A. 4—56298
Chen, C.-H. *see* Lin, J.C. 4—47921
Chen, C.-J. *see* Harada, K. 4—34744
Chen, C.K., Feinstein, J., Gover, A., Pantell, R.H. The dispersive FEL—A hybrid optical klystron-free electron laser 4—52843
Chen, C.K., Geis, M.W., Tsaur, B.-Y., Chapman, R.L., Fan, J.C.C. Topographic imperfections in zone melting recrystallized Si films on SiO_2 4—50802
Chen, C.K. *see* Fan, J.C.C. 4—41814
Chen, C.K. *see* Tsaur, B.-Y. 4—52298
Chen, C.L. Linear codes for masking memory defects 4—48257
Chen, C.L. *see* Tang, D.T. 4—35777
Chen, C.-L. *see* Brayton, R.K. 4—51184
Chen, C.S. Proposed solid waste-to-energy Mini-POWER projects 4—34401
Chen, C.S., Gopalan, K. An experiment on Fourier-Bessel decomposition of speech signal 4—37908
Chen, C.T., Plummer, E.W., Howells, M.R. The study and design of a high transmission, high resolution toroidal grating monochromator for soft X-ray radiation 4—56046
Chen, C.T. *see* Maxham, K.Y. 4—54785
Chen, C.W. Real time two-wavelength holography for coarse aspherical surface contouring 4—59613
Chen, C.W. *see* Chan, T. 4—55276
Chen, C.Y., Kasper, B.L., Cox, H.M. High-sensitivity $Ga_{0.47}In_{0.53}As$ photoconductive detectors prepared by vapor phase epitaxy 4—48895
Chen, C.Y., Pang, Y.M., Cho, A.Y., Alavai, K., Garbinski, P.A. Modulation-doped $Al_{0.48}In_{0.52}As/Ga_{0.47}In_{0.52}As$ photodetector prepared by molecular beam epitaxy 4—55478
Chen, C.Y., Pang, Y.M., Cho, A.Y., Alavi, K., Garbinski, P.A. Performance of a $Ga_{0.47}In_{0.53}As/Al_{0.48}In_{0.52}As$ modulation-doped photoconductive detector 4—55496
Chen, C.Y., Pang, Y.M., Cho, A.Y., Garbinski, P.A. Removing long tail from photoconductive detectors: a new minority hole sinked photodetector 4—37232
Chen, D.C., Szeto, R.T., Fu, H.S. Enhanced flow of phosphosilicate glass by ion implantation 4—36737
Chen, D.-P. *see* Hill, F.J. 4—51100
Chen, D.Y., Chandrasekaran, S., Chin, S.A. A new FET-bipolar combinational power semiconductor switch 4—41661
Chen, D.Y., Chin, S.A. Bipolar FET combinational power transistors for power conversion applications 4—52140
Chen, F.R., Zue, V.W. Application of allophonic and lexical constraints in continuous digit recognition 4—59992
Chen, F.S. *see* Chin, A.K. 4—31235
Chen, F.S. *see* Saul, R.H. 4—55495
Chen, H.F. *see* Ng, S.K. 4—43046
Chen, H.H. *see* Doe, P.J. 4—33638
Chen, H.Y., Hiller, D.M., Hudson, J.E., Westenbroek, C.J.A. Advances in properties and manufacturing of chromium dioxide 4—30989
Chen, I. The interface and the field effect in thin-film transistors 4—52122
Chen, I. *see* Jansen, F. 4—61397
Chen, I. *see* Mort, J. 4—37196
Chen, I.C. *see* Holland, S. 4—59063
Chen, I.M., Anderson, R.E. An integrated power system for extended-duration shuttle missions 4—39660
Chen, J.K. *see* Wu, C.Y.R. 4—53071
Chen, J.Y. Latch-up elimination in high density CMOS 4—30794
Chen, J.Y. An n-well CMOS with self-aligned channel stops 4—36878
Chen, J.Y.F., Venkatesh, V.C., Wong, Y.S. A microcomputer-based CAD/CAM system for low-cost automation 4—58626
Chen, J.Y.-T. Quadrupole-well CMOS for VLSI technology 4—47127
Chen, J.Z., Suen, C.D., Kuo, Y.h. An axial-emission self-modulating ion gauge 4—49036
Chen, K. New concepts in interior lighting design 4—57542
Chen, K., Eriksson, S. Novel parasitic-insensitive wave SC filter 4—46554
Chen, K., Joscelyn, K.B., Marks, M.E. A phased plan for an electric passenger car demonstration: an analysis of planning needs 4—35005
Chen, K.-C. *see* Wat, A. 4—36669
Chen, K.-L. *see* Choi, H.K. 4—42644
Chen, K.-M. *see* Hessary, M.K. 4—56175
Chen, K.W., Hachen, H., Lee, A., Lin, T., Mattay, S., Legh, G., Wipf, S. Hybrid rail gun electromagnetic accelerators 4—37558
Chen, K.W., Winterberg, F. Compact toroidal energy storage device with relativistically densified electrons through the use of travelling magnetic waves 4—34960
Chen, L. *see* Guo, H. 4—41773
Chen, L. *see* Xiao, Z. 4—53003
Chen, M., Rubin, K., Marrello, V., Gerber, U.G. Reversible cycling studies of Te-alloy films 4—52541
Chen, M. *see* Bartlett, K. 4—36820
Chen, M. *see* Davis, C.R. 4—47234
Chen, M. *see* Hillis, G. 4—36746
Chen, M.C., Lang, D.V., Dautremont-Smith, W.C., Sergent, A.M., Harbison, J.P. Effects of leakage current on deep level transient spectroscopy 4—36087
Chen, M.M., Chow, M., Jones, H.C. Low-pressure plasma etch process for Nb_2O_5/Nb composite films 4—52498
Chen, M.M., Lee, Y.H. Tapered via hole [RIE process] 4—52018
Chen, M.M. *see* Chen, C.F. 4—29585
Chen, N.P., Hsu, C.P., Kuh, E.S., Chen, C.C., Takahashi, M. BBL: a building-block layout system for custom chip design 4—36758
Chen, P. *see* Bolmont, D. 4—41896
Chen, P.Y.P. Equivalent-step-index parameters for single-mode fibres having a power-law profile 4—42350
Chen, R.T., Holmes, D.E. Correlation of threshold voltage of implanted field effect transistors and carbon in GaAs substrates 4—58918
Chen, R.T. *see* Kirkpatrick, C.G. 4—50796
Chen, S. *see* Chen, X. 4—38662
Chen, S. *see* Scharfetter, D.L. 4—36741
Chen, S.-A., Chiou, Y.-C. Effect of contact between a current collector and a polyacetylene electrode on electrochemical behavior in polyacetylene/lithium batteries 4—50039
Chen, S.H. *see* Bandler, J.W. 4—41164, 4—46548
Chen, S.H. *see* Fisher, W.A. 4—33759
Chen, S.-H., Murray, J., Walkup, J.F. Robust image estimation in signal-dependent noise 4—60271

Chen, S.-T. *see* Fu, S.-L. 4−59051
Chen, S.-T. *see* Xie, H.-K. 4−30832, 4−36927
Chen, T. *see* Kowalski, D.C. 4−52721
Chen, T.C., De Figueiredo, R.J.P. Image decimation and interpolation techniques based on frequency domain analysis 4−47902
Chen, T.H., Shur, M.S., Hoefflinger, B., Lee, K.W., Vu, T.T., Roberts, P.C.T., Helix, M.J. DOMES−GaAs IC simulator 4−59036
Chen, T.J. Digitizing satellite ground station TT&C subsystems 4−54710
Chen, W. Recent progress on the applications of graph theory to networks 4−40965
Chen, W., Pratt, W.K. Scene adaptive coder 4−37842
Chen, W. *see* Alduhayan, S.M. 4−41456
Chen, W.-K. A theorem on the summation of return differences and some consequences 4−35572
Chen, W.-K. *see* Alduhayan, S.M. 4−46570
Chen, W.S. *see* Mickelsen, R.A. 4−45628
Chen, X., Zhang, X., Chen, S. A forty-channel optical-fiber telecommunication system for manipulation of high-voltage terminals in ion implanters 4−38662
Chen, X.X. *see* Yu, F.T.S. 4−32034
Chen, Y., Ishii, T.K. Error in insertion loss measurement due to multiple reflections 4−55652
Chen, Y.K., Liu, M.L. Three-layer channel routing 4−35579
Chen, Y.M. *see* Liu, J.Q. 4−40988
Chen, Y.Y. Stable time- and order-recursive algorithm for the adaptive lattice filter 4−53678
Chen, Z. *see* Brand, G.F. 4−36205
Chen, Z. *see* Shi, W. 4−46811
Chen, Z.G., Doring, H. Study of the bandwidth characteristic of a non-reflection-type gyrotron TWA 4−58699
Chen, Z.H., Smith, J.S., Margalit, S., Yariv, A., Chiu, L.C. Proposed GaAs-Al-GaAs metal base transistor 4−36549
Chen, Z.-Z. *see* Miao, N. 4−53683
Chen Bao-qian The convergence of a random search algorithm for unconstrained optimization problems 4−57935
Chen Boliang *see* Tong Feiming 4−59339
Chen Bor-Uei *see* Bor-Uei Chen
Chen Chaoqing *see* Ma Jimao 4−49092
Chen Chin-Tang *see* Chin-Tang Chen
Chen Chunguang *see* Hu Weisheng 4−44631
Chen Congrong *see* Ye Zhonghua 4−31430
Chen Cun-li Investigation on ohmic contact achieved by capacitance discharging 4−51864
Chen Daishu Modulation transfer characteristics of an acousto-optic deflector 4−31200
Chen De-sen, Ge Huo-qing, Mei Ju-fung, Ye Jia-yu, Lu Ai-Jin, Chen Fu-chao Scanning low-energy electron probe as a tool to measure distribution of work function [thermionic cathodes] 4−51695
Chen De-sen, Lou Wei-hong, Shao Li-wei, Liu Nan-chang Appearance potential spectroscopy studies on impregnated dispenser cathodes 4−58676
Chen Duxing, Li Bozang On the error of measurement of weakly magnetic material in regard to demagnetizing field 4−33436
Chen Ershao *see* Ye Zhonghua 4−31430
Chen Fangjun, Liu Xinlian An automatic fast electrometer 4−48933
Chen Fu-chao *see* Chen De-sen 4−51695
Chen Fusheng, Chen Huanchu, Liu Yaogang, Lu Baosheng, Han Jianru The growth of large, good-quality (Nd, La)P_5O_{14} laser crystals 4−35469
Chen Ge-lin *see* Zhang Ke-tsien 4−62002
Chen Guang-hua *see* Wang Yin-yue 4−52087
Chen Guorui *see* Xu Jiadong 4−58504
Chen Haitao *see* Chen Liyin 4−59403
Chen Hong-yi, Yang Ji-lian Analysis of sensitivity of S/R amplifier for LSI single transistor cell MOS DRAM 4−46443
Chen Hu *see* Xie Jin-xiang 4−50614
Chen Huanchu *see* Chen Fusheng 4−35469
Chen Huanchu *see* Yuhuan, Xu. 4−42187
Chen Jian-wu *see* Wang Ji-shen 4−51976
Chen Jianwen, Fu Shufen, Liu Miaohung Discharge-pumped UV and visible lasers 4−37315
Chen Jianwen, Xia Kangmin, Liu Miaohong, Li Liquan, Fu Shufen Discharge characteristics of XeCl lasers 4−31296
Chen Jianwen *see* Fu Shufen 4−37318
Chen Jianwen *see* Leri Shizhan 4−59371
Chen Jianwen *see* Jianwen Chen
Chen Jinchun *see* Liu Peitian 4−59479
Chen Jinglin *see* Yi Changlian 4−37046
Chen Jingyang *see* Jingyang Chen
Chen Jipin *see* Dong Xiaoyi 4−59579
Chen Jufang *see* Wang Run 4−30959
Chen Kai-zhou, Hu Jun-wen, Yin Feng Optimal design of sine wave approximation in multiwave signal generators 4−41225
Chen Keming, Qui Lanhua, Chen Weide Studies on the physical properties of oxidized films/InGaAsP interfaces 4−58864
Chen Kexin *see* Cheng Zhaogu 4−31304
Chen Kexin *see* Wang Zheen 4−37323
Chen Kuo-Liang *see* Kuo-Liang Chen
Chen Lanrong *see* Zhu Xinming 4−37211
Chen Le-jun *see* Xu Zhi-qing 4−44691
Chen Le-jun *see* Zhang Liang-sheng 4−33746
Chen Li A note on systematic tEC-MUED code 4−59928
Chen Lifei *see* Tang Xingli 4−31427, 4−37407, 4−59458
Chen Lingbing, Wu Changzheng, Liu Yixian, Li Fuming A tunable single-mode picosecond dye laser with ultra-short cavity 4−59462
Chen Lingbing *see* Li Fuming 4−31474
Chen Liyin, Chu Zexiang, Chen Haitao Quasi two-dimensional gain distribution of a transverse flow CW CO_2 laser 4−59403
Chen Luona *see* Bao Borong 4−39397
Chen Miao *see* Zou Zhiyi 4−49061
Chen Peifang *see* Yang Wenyu 4−53795
Chen Ren-huai *see* Liu Mao-san 4−33607
Chen Ru-hua, Xiang Du-cheng, Xu Li-zi Improvement on DC load flow and its application to economic dispatch 4−56441
Chen Ruming Interference performance analysis of digital microwave transmission and its application to geostationary satellite networks for efficient utilization of orbit/spectrum 4−54733
Chen Shao-shan Research of problems about obliquely evaporated silicon oxide 4−59276
Chen Shizheng *see* Gan Fuxi 4−53058
Chen Shizheo *see* Jin Deyun 4−47478
Chen Shuchun, Cheng Lurong, Yu Yaochu, Dai Fengmei Generation of continuously tunable second harmonics around 295 nm 4−59599
Chen Shuchun *see* Gan Fuxi 4−31367
Chen Shuqin *see* Gao Fuyuan 4−31470
Chen Tai *see* Tai Chen
Chen Tirong, Jian Chinlin Coupling losses in a square-waveguide laser resonator 4−37405
Chen Tsai-hwa *see* Tsai-hwa Chen
chen Tze-chiang *see* Tze-chiang chen
Chen Wanxing, Wang Rugeng, Xue Chungen, Wang Yugi Chemical vapor deposition of silicon films by preheating the substrates with laser 4−29521
Chen Wei-Db *see* Xu Zhen-Jia 4−30474
Chen Wei-Li *see* Liu Chwei-Jeng 4−33653
Chen Weide *see* Chen Keming 4−58864
Chen Weixi *see* Yu Lisheng 4−58017
Chen Wen-xiong *see* Yan Ji-wen 4−47552
Chen Wenzhou, Lin Wenqing, Li Jingxian An apparatus for laser polarization degree measurement using TP801 microcomputer 4−53050
Chen Wugao Preliminary investigation of CW molecular nitrogen laser 4−31298
Chen Xiexiong *see* Wu Xunwei 4−29806
Chen Xinming Holographic subtraction of damped oscillations 4−59642
Chen Xinqiang *see* Yu Zhenzhong 4−61388
Chen Yi-Lin *see* Yi-Lin Chen
Chen Yijing *see* Li Shenhua 4−52935
Chen Yisheng, Wang Wengui Measurement of total integrated scattering of laser films 4−61565
Chen Yuchun, Zhou Guonai Frequency dependence of parameters for the ionospheric channels 4−59742
Chen Yuelian *see* Lin Yubao 4−47227
Chen Zemin *see* Zhu Shengjiang 4−44697
Chen Zeng-gui *see* Zeng-gui Chen
Chen Zexing, Li Zhongya, Zhang Junchang Properties of Nd:glass laser at 1.36 μm 4−31452
Chen Zezun *see* Deng Ximing 4−48859, 4−53023
Chen Zhen-cheng An advanced microstrip series-feed divider/combiner 4−51513
Chen Zhenguo *see* Tang Xiande 4−37045
Chen Zhifen, Zou Enteng The application of characteristic-scatter balanced filter to tin measurement in multimetallic mineral 4−39684
Chen Zhiyi *see* Brand, G.F. 4−58693
Chen Zhuo-Min *see* Jiao Zheng-Kuan 4−52477
Chen Zhuomin *see* Jiao Zhengkuan 4−42306
Chen Zhuomin *see* Wang Enyue 4−47226, 4−59161
Chen Zonggui *see* Kong Meiying 4−46217
Chen Zongquan *see* Pan Huizhen 4−37164
Chen Zuo-yi, Pan Jiu-Jing Dynamic digital simulation of HVDC power transmission system 4−56566
Chen-guang Yang *see* Yang Chen-guang
Chenevas-Paule, A. *see* Peuzin, J.C. 4−59228
Chenevert, T.L. *see* Schmitt, R.M. 4−56368
Chenevier, P., Cohen, J., Kamarinos, G., Pananakakis, G., Jaouen, H. Light assisted pulsed annealing of photovoltaic silicon by microwave energy 4−34909
Cheney, R.E. *see* Khedouri, E. 4−56316
Cheng, C.H. *see* Shirreffs, B.F. 4−29508
Cheng, C.K., Kuh, E.S. Partitioning and placement based on network optimization 4−36766
Cheng, C.K. *see* Li, J.F. 4−58292
Cheng, C.-K., Kuh, E.S. Module placement based on resistive network optimization 4−51101
Cheng, C.L., Coldren, L.A., Miller, B.I., Liao, A.S.H., Leheney, R.F. A new self-aligned recessed-gate InP MESFET 4−47031
Cheng, C.L., Liao, A.S.H., Chang, T.Y., Leheny, R.F., Coldren, L.A., Lalevic, B. Submicron self-aligned recessed gate InGaAs MISFET exhibiting very high transconductance 4−36641
Cheng, C.L., Liao, A.S.H., Chang, T.Y., Leheny, R.F., Coldren, L.A., Lalevic, B. Submicrometer self-aligned recessed gate InGaAs MISFET exhibiting very high transconductance 4−42062
Cheng, D. *see* Gersho, A. 4−43152
Cheng, D.-Y., Gersho, A., Ramamurthi, B., Shoham, Y. Fast search algorithms for vector quantization and pattern matching 4−53919
Cheng, F. Audio-amp-based driver circuits simplify motor-speed-control tasks 4−34812
Cheng, F. A monolithic PNP regulator 4−50960
Cheng, H., Maurer, H. Automated generation of high quality videotex graphics 4−60440
Cheng, J. *see* Thurston, R.N. 4−47305
Cheng, J.C., Morse, W. Bubble/void-free silicon dielectric gel dispense-cure process 4−40867
Cheng, K.H. *see* Chan, F.H.Y. 4−56102
Cheng, K.Y. *see* Brummell, M.A. 4−51850
Cheng, K.Y. *see* Portal, J.C. 4−51848
Cheng, L.M., Ho, A.S., Burge, R.E. Use of a priori knowledge in image reconstruction 4−32026
Cheng, S.F. *see* Stadelmaier, H.H. 4−58056
Cheng, S.K. *see* Cheok, K.C. 4−38008
Cheng, S.Y., Fu, S.L., Wei, C.C. Low temperature fired ceramic piezoelectric devices 4−59109
Cheng, T.C., Shurmer, H.V. Nonlinearity in GaAs FET power amplifying devices 4−58520
Cheng, T.C., Wu, C.Y., Nour, H. DC interfacial breakdown on contaminated electrolytic surfaces 4−30826
Cheng, T.W. *see* Min, L.C. 4−50363
Cheng, U. On the continued fraction and Berlekamp's algorithm 4−47706
Cheng, Y.C. On the gradient-projection method for solving nonsymmetric linear complementarity problem 4−50689
Cheng, Y.C. *see* Liu, B.Y. 4−41089
Cheng Benpei *see* Li Yuezhen 4−37077
Cheng Ci-de *see* Liu Shenggang 4−36213
Cheng Dexiang On the projection method for geostationary satellite coverage map 4−60811
Cheng Lanyin *see* Zou Haixin 4−53049
Cheng Lurong *see* Chen Shuchun 4−59599
Cheng Ningchiang, Xue Kuiwu, Tang Xiuyun Analyses of performances of IR-transparent polycrystal ZnSe deposited by low purity reagent 4−59183
Cheng Shangguan *see* Shangguan Cheng
Cheng Sheng-jiang The fast convergence method of the finite element solutions of the Navier-Stokes equations 4−40993
Cheng Tung-sen *see* Tung-sen Cheng
Cheng Xuemin Development of the Wujiang river. I 4−56874
Cheng Xuemin Development of the Wujiang river. II 4−62270
Cheng Yudan *see* He Guangsheng 4−53059
Cheng Yuming *see* Xu Jie 4−31306, 4−59595
Cheng Yun-qi *see* Yun-qi Cheng
Cheng Yunqi, Zhang Shoubai, Kong Fangong, Fang Zhicheng, Pan Lingfen A study of surface crack depth measurement by alternating potential method and the measuring instrument 4−41117
Cheng Yunyi *see* Zhang Wenkuan 4−54334
Cheng Zhaogu, Wang Zheen, Chen Kexin, Xi Quanxin Analytic resolution for small signal gain along the direction of gas flow of a transverse flow CO_2 laser 4−31304
Cheng Zhaogu *see* Wang Zheen 4−37323
Cheng-dao Wang *see* Wang Cheng-dao
Cheng-Huei Lin, Marshal, B. Flashlamp-pumped styryl 9 dye laser 4−47430
Cheng-li Ruan *see* Ruan Cheng-li
Cheng-lin Wei *see* Wei Cheng-lin
Cheng-ming Li *see* Li Cheng-ming
Chengcai Xu *see* Xu Chengcai
Chengchang Soo *see* Soo Chengchang
Chengen Zheng *see* Zheng Chengen
Chengfang Hang *see* Hang Chengfang
Chenghao, W. *see* Zouqing, W. 4−52404
Chenghuang Xu *see* Xu Chenghuang
ChengKun Xiong *see* Xiong ChengKun
Chengliang Shi *see* Shi Chengliang
Chengming Wu *see* Wu Chengming
Chengmu Wun *see* Wun Chengmu
Chengqian Jin *see* Jin Chengqian
Chengtian Lin *see* Lin Chengtian
Chengxin Lioa *see* Lioa Chengxin
Chengyan Sun *see* Sun Chengyan
Chengzhi Pan *see* Pan Chengzhi
Chenkovich, G.A., Schaeffer, D.R. Development and certification of the 757/767 autopilot-flight director system 4−44857
Chenlo, F., Ruiz, J.M., Sala, G. Beam splitting concentrator for Si and $Ga_xAl_{1-x}As$ solar cells: optical characterization 4−34920
Chenoweth, D.L. *see* Sims, R.J. 4−60275
Chenoweth, H.B., Bremerman, M.V. Reliability growth theory assumption−revisited 4−29299
Chenoweth, H.B. *see* Koo, D.Y. 4−47784
Cheo, B.R. *see* Kuo, S.P. 4−52827

Cheo, P.K. Frequency synthesized and continuously tunable IR laser sources in 9-11 μm 4—52893
Cheok, K.C., Loh, N.K., Cheng, S.K. A new approach to bias-free signal parameter tracking using compensated parameter identifiers 4—38008
Cheol Ho Kang *see* Jin Seob Aoum 4—47908
Cheol Ho Kang *see* Seong Choon Lee 4—53905
Cheol Paek Moon *see* Moon Cheol Paek
Chepel', V.Yu. *see* Machulin, I.N. 4—61718
Chepigin, V.I., Stepantsov, S.V., Nagy, S., Ter-Akopian, G.M., Voronin, A.S. A double ionization chamber for fission fragment detection 4—39420
Chepur, D.V. *see* Bletskan, D.I. 4—58750
Chepurnoi, V.A. *see* Asaenok, N.A. 4—59490
Cherednichenko, O.B. *see* Itskhoki, I.Ya. 4—42582
Cherednikov, P.I. *see* Menyailo, A.D. 4—41601
Cheremisin, V.V. *see* Onishchenko, G.B. 4—34979
Cheremnykh, P.A. *see* Gerasimov, N.P. 4—51911
Cherenok, N.G. On the taking into account of diffraction effects in the estimation of the influence of multidimensional inhomogeneities on the antenna direction characteristics 4—42935
Cherepenin, V.A. *see* Aleksandrov, A.F. 4—30259
Cherepukhin, V.I. *see* Protopopov, A.P. 4—54635
Cherevko, A.G. The maximum sensitivity of a correlation amplifier with compensation 4—53653
Cherkashenko, V.M. *see* Dolgih, V.E. 4—56033
Cherkashenko, V.M. *see* Dolgikh, V.E. 4—61743
Cherkez, M.V. *see* Drozdov, A.P. 4—32460
Chermalykh, V.M., Zakladnoi, A.N., Pryadko, S.I. Optimization of the control of an electric drive with valve motors 4—62727
Chern, G.C. *see* Singh, B. 4—46901
Chern, J.G.J., Oldham, W.G. Determining specific contact resistivity from contact end resistance measurements 4—41891
Chern, W.S. *see* Maddigan, R.J. 4—56383
Chernavski, S.Ya. *see* Styrikovich, M.A. 4—39966
Cherneeva, L.I., Mazurin, I.M., Bobrov, E.P., Kabaev, S.V., Golovina, E.Yu. Investigating the properties of sulfur hexafluoride (SF_6) 4—62648
Chernen'kaya, L.V. *see* Levishina, E.S. 4—33275
Chernenko, P.A., Chukhno, V.I. Adaptive reduced dimension algorithm for calculating pseudo measurements in operational analysis of steady state condition of electric power systems 4—62084
Chernenko, V.A. *see* Stognii, B.S. 4—45494
Cherng, M.J., Stringfellow, G.G., Cohen, R.M. Organometallic vapor phase epitaxial growth of $GaAs_{0.5}Sb_{0.5}$ 4—29471
Chernick, M.R. *see* Shimabukuro, F.I. 4—55639
Chernikoff, L., Kampf, H. Application of multifunction switches in the Defense Switched Network 4—32576
Chernin, D. Mode coupling in the modified betatron 4—39381
Chernin, D., Mondelli, A., Roberson, C.W. Strongly-focused, high current betatrons 4—33608
Chernobai, I.A. *see* Degtyarev, C.V. 4—49040
Chernokozhev, I. *see* Zhelezov, Zh. 4—32473
Chernolutsky, D.L. *see* Chutov, Yu.I. 4—50113
Chernomorets, M.P. *see* Gorban', I.S. 4—37313
Chernousov, Yu.D., Shebolaev, I.V., Anisimov, O.A. Formation of picosecond current pulses 4—39396
Chernov, V.G. *see* Trus'ko, V.L. 4—38782
Chernov, Z.S., Bernashevskiy, G.A., Faykin, V.V. Electron-optical system with a thermionic cathode and with a centrifugal-electrostatic system for shaping a high-power axisymmetric beam, designed for use in relativistic microwave oscillators 4—30260
Chernova, G.S. *see* Fedorishcheva, E.E. 4—35544
Chernoverskii, A.G. *see* Burov, V.F. 4—37705
Chernovol, A.N. *see* Artemenko, S.B. 4—37486
Chernya, G.A. *see* Blank, E.I. 4—34048
Chernya, G.A. *see* Komarov, A.N. 4—34049
Chernyaev, V.A. *see* Emelyanov, I.Ya. 4—40016
Chernyaev, V.V. *see* Sokolov, V.I. 4—36296
Chernyak, E.Ya. *see* Muchnik, M.L. 4—31434
Chernyak, E.Ya. *see* Zubov, V.V. 4—31330
Chernyak, V.S. Obtaining radio images in a receiver system with partial channels 4—32047
Chernyavskii, V.A. *see* Boiko, B.B. 4—42595
Chernykh, D.F. *see* Barannikov, A.L. 4—37497
Chernykh, V.A. *see* Bozhevol'nyi, S.I. 4—37143
Chernykh, V.A. *see* Buritskii, K.S. 4—37172
Chernykh, V.T. *see* Gofman, A.M. 4—61907
Chernykh, Yu.K. *see* Veselovskii, A.P. 4—49957
Chernysh, L.V. *see* Kovarskii, V.A. 4—41805
Chernysh, V.P. *see* Igumnov, V.P. 4—45778
Chernyshev, A.I. *see* Ivanchura, V.I. 4—34815
Chernyshev, A.I. *see* Loktyushin, A.A. 4—42605
Chernyshev, A.S. *see* Ivoilov, V.F. 4—51710
Chernyshev, S.M. *see* Antropov, E.T. 4—42531
Chernyshev, V.P., Bysheva, G.K., Vaisenberg, O.A., Gol'din, L.L., Semenov, A.V., Tumanov, G.K. Determination of the angular resolution of apparatus for muon scattering by nuclei 4—49074
Chernyshev, Yu.O. *see* Sadovoi, N.N. 4—29375
Chernyshov, I.V. *see* Kagan, M.S. 4—59315
Chernyshov, S.K. *see* Ionov, A.G. 4—54609
Cherrick, F., Ahuga, B. Towards an all-digital communications network 4—54034
Cherrick, F.H. Enhanced feature analog set supports ISDN upgradability 4—54076
Cherry, E.M. Designing NDFL amps [audio frequency amplifiers] 4—29678
Cherry, E.M. 60 W NDFL amplifier [audio-frequency power amplifier] 4—35640
Cherry, M.L. *see* Brown, K. 4—55814
Cherry, S.M. Measuring rain with the Chilbolton radio radar 4—42858
Cherry, S.M., Goddard, J.W.F., Ouldridge, M. Simultaneous measurements of rain by airborne distrometer and dual-polarization radar 4—49466
Cherry, S.M. *see* Goddard, J.W.F. 4—47601, 4—49469
Cherry, S.M. *see* Hall, M.P.M. 4—49462
Chervenak, Ya. *see* Konakova, R.V. 4—36540
Chervinskii, M.M. *see* Arkhangel'skii, V.B. 4—33444
Chervinskii, V.I. *see* Nemkov, V.S. 4—62864
Chervyakov, L.N. *see* Voskresenskii, A.A. 4—39939
Chesler, D. *see* Burnham, C.A. 4—33815
Chesler, D.A. *see* Brownell, G.L. 4—44716
Chesley, G.D. Taking a new look at wafer scale integration 4—41336
Chesney, D.N., Chesney, M.O. X-ray equipment for student radiographers 4—29170
Chesney, H.L. *see* Papadakis, E.P. 4—29564
Chesney, M.O. *see* Chesney, D.N. 4—29170
Chesney, R.H. *see* Das, Y. 4—56272
Chesney, R.H. *see* McFee, J.E. 4—48726
Chesnutt, R.B. *see* Anderson, R.B. 4—47187
Chesson, G.L. *see* Arthurs, E. 4—43502
Chester, D., Taylor, F., Doyle, M. Applications of the Wigner distribution to speech processing 4—37909
Chester, J.W. *see* Williamson, A.G. 4—43971
Chetham, P.M. *see* Shahnarian, A. 4—44714
Chetvergov, D.I. *see* Gazina, F.Ya. 4—62791
Chetverikov, N.I. *see* Meier, A.A. 4—33432
Chetverikov, N.I. *see* Zhuk, F.I. 4—31540
Chetvertkov, V.I. *see* Beruchev, N.G. 4—61603
Cheung, C. *see* Jabbari, B. 4—32234
Cheung, J.Y. System modelling with an adaptive infinite impulse response filter 4—38007
Cheung, J.Y. An adaptive infinite impulse response filter for recursive systems 4—41506
Cheung, J.Y. Convergence conditions for an optimal solution in adaptive recursive filters 4—53674
Cheung, K.P. *see* Auston, D.H. 4—53292
Cheung, L.C.H. *see* Billinton, R. 4—34059
Cheung, L.-F. *see* Zomorrodi, M. 4—59041
Cheung, N.K., Sandahl, C.R., Lipson, J., Olsson, N.A., Tsang, W.T., Sallada, C.D. Three-channel wavelength division multiplexing experiment in single-mode fiber at 432 Mbit/sec 4—54795
Cheung, N.K. *see* Austin, S. 4—54787
Cheung, N.W. *see* Byrne, P.F. 4—51977
Cheung, R.P. *see* Goel, J. 4—36054
Cheung, R.W.-Y. *see* Lavers, J.D. 4—35050
Cheung, S.K., Cordaro, W., Jones, F.D., Stinson, W.F. FET bias networks with feedback 4—50954
Cheung, S.K., Cordaro, W., Mao, R.S., Stinson, W.F. TTL-compatible tristate FET driver 4—46431
Cheung, T.D. *see* Cadieu, F.J. 4—30964
Chevaleyre, J. *see* Broyer, M. 4—59455
Chevillat, P.R. *see* Ungerboeck, G. 4—60066
Chevokin, V.K. *see* Mezhevich, A.N. 4—41789
Chevrier, J. *see* Armand, M. 4—41600, 4—58544
Chevrier, J. *see* Linh, N.T. 4—58936
Chevrier, J. *see* Mercy, J.M. 4—51843
Chevy, A. Improvement of growth parameters for Bridgman-grown InSe crystals 4—50743
Chevy, A. *see* Segura, A. 4—41859
Chew, E.K. Internetworking: local area networks and public networks 4—48268
Chew, E.K. *see* Duc, N.Q. 4—47996
Chew, H. *see* Feigl, F.J. 4—36344
Chew, N.G. *see* Thompson, M.O. 4—46915
Chew, W.C. *see* Sen, P.N. 4—39275
Chew, W.C. *see* Sezginer, A. 4—47580
Chezem, E. Underwater cable embedment required special procedures 4—60635
Chi, C.C., Kirkpatrick, E.S., Tesche, C.D., Tsuei, C.C. Monopole detector geometry 4—55408
Chi, C.C., Tesche, C.D., Tsuei, C.C. Magnetic field camera—superconducting grid for the detection of transient magnetic phenomena 4—44594
Chi, C.C. *see* Bermon, S. 4—53234
Chi, C.C. *see* DeLuca, J.C. 4—47222
Chi, C.Y., Mendel, J.M. Improved maximum-likelihood detection and estimation of Bernoulli-Gaussian processes 4—43321
Chi, C.-Y., Mendel, J.M. A fast approach to identification using deconvolution 4—43390
Chi, C.-Y., Mendel, J.M. Performance of minimum-variance deconvolution filter 4—60076
Chi, J.W.H. *see* Morgan, R.E. 4—39662
Chi, K.K. *see* Nevin, J.H. 4—58186
Chi Hong-guang *see* Lei Zhen-huan 4—59106
Chi-Shun Wang *see* Chih-Yuan Lu 4—46800
Chia, W.K., Hajj, I.N., Trick, T.N. A survey of relaxation methods for the simulation of digital integrated circuits 4—35726
Chiampi, M., Piazzoli, A., Tartaglia, M. Electromagnetic contactor design by finite element magnetic field computation method 4—57250
Chiampi, M. *see* Belforte, P. 4—37542
Chiang, A.M., Mountain, R.W., Silversmith, D.J., Felton, B.J. A CCD matrix-matrix product parallel processor 4—58379
Chiang, A.M., Shaw, G.A. A CCD chip for parallel pulse-Doppler radar processing 4—54872
Chiang, C. Comment on 'Threshold switching in chalcogenide-glass thin films' 4—51793
Chiang, C.H. *see* Hill, F.J. 4—51100
Chiang, L.J. *see* Zaborsky, J. 4—45072
Chiang, S., Cham, K.M., Rung, R.D. Optimization of sub-micron p-channel FET structure 4—36880
Chiang, S. *see* Cham, K.M. 4—36849
Chiang, S.S., Shukla, R.K. Failure mechanism of die cracking due to imperfect die attachment 4—57842
Chiang, S.-Y. *see* Cham, K.M. 4—47035
Chiang, Y.P., Fu, K.S. VLSI architectures for syntactic image analysis 4—53873
Chiara, A.Di *see* Di Chiara, A.
Chiaramonte, J. *see* Galloway, T.R. 4—35092
Chiarelli, C., Al-Astrabadi, F. Simplification of thermal design by the use of Effective Sink Temperature Method 4—44818
Chiariglione, L., Corgnier, L. Videoconference terminal with multipoint capability 4—32987
Chiariglione, L., Corgnier, L. A videoconference terminal with multipoint capability 4—32996
Chiariglione, L., Corgnier, L. System considerations for video communication 4—61098
Chiariglione, L., Guglielmo, M., Piretta, G. Interframe adaptive coding schemes based on orthogonal transforms 4—43091
Chiariglione, L., Temime, J.P. Teleconference as an open system 4—61097
Chiavassa, E. *see* Bressani, T. 4—33695, 4—39427
Chiba, A., Isaka, K., Yokoi, Y., Nagata, M., Kitagawa, M., Matsuo, T. Application of finite element method to analysis of induced current densities inside human model exposed to 60 Hz electric field 4—50450
Chiba, I., Numazaki, T., Mano, S., Katagi, T. Null forming by phase control in array antennas 4—42996
Chiba, J. Snow rescue operations guided by an UHF marker 4—32705
Chiba, J. *see* Suzuki, M. 4—32706
Chiba, M. Singularities of Green's function in surface integral equations [antenna analysis] 4—57991
Chiba, M. *see* Moriya, T. 4—36496
Chiba, N., Nishizeki, T., Abe, S., Ozawa, T. Embedding planar graphs using PQ-tree algorithms 4—40958
Chiba, S. A method for discrimination between /mo/ and /ηo/ 4—43206
Chiba, S. Discrimination of nasal consonants and voiced stop consonants by using transitions 4—43219
Chiba, S. Utilization of gross spectral characterization for discrimination of nasal consonants 4—43223
Chiba, T. *see* Suzuki, Y. 4—53289
Chiba, Y. *see* Aoki, T. 4—38399
Chiba, Y. *see* Miyazawa, Y. 4—55796
Chibalashvili, Yu.L. *see* Papunashvili, N.A. 4—42392
Chicotka, S., Ginsberg, B.J., Isaac, R.D. Process for deep dielectric isolation 4—52270
Chicotka, S. *see* Bennett, R.S. 4—41990
Chida, K., Hanawa, F., Nakahara, M. VAD graded-index optical fiber fabrication 4—52591
Chida, K., Kimura, T., Wagatsuma, M. High-speed optical fiber drawing 4—52594
Chida, K., Nakahara, M., Inagaki, N. Improvement in VAD optical fiber preform fabrication system 4—52590
Chida, K. *see* Suda, H. 4—52593
Chidambara, M.R. *see* Nagarajan, V. 4—60887
Chidananda Gowda, K. Cluster detection in a collection of colinear line segments 4—32043
Chidgey, P.J., White, B.R., Brain, M.C., Hooper, R.C., Smith, D.R., Smyth, P.P., Fiddyment, P.J., Nelson, A.W., Westbrook, L.D. 1.2 Gbit/s optical fibre transmission experiment over 113.7 km using a 1.528 μm distributed-feedback ridge-waveguide laser 4—60842
Chidley, R.E. *see* Macris, A.C. 4—62308
Chien, J. *see* Spirn, J.R. 4—38289
Chien Chou, Tsu-Lung King Application of moire phenomena—the measurement of modulation transfer function (MTF) of electro-optical systems 4—44627
Chierici, G. *see* Vreeland, R.W. 4—56161
Chigusa, Y. *see* Matsuda, Y. 4—52656
Chih Wu Reinstallation of a military wind turbine at the US Naval Academy 4—45373

Chih-Yuan Lu, Chau-Chun Lu, N., Chi-Shun Wang Effects of grain-boundary trapping-state energy distribution on the activation energy of resistivity of polycrystalline-silicon films 4−46800
Chihara, H., Atake, T. Chromel versus constantan thermocouple (type E) 4−55729
Chihara, K., Sakurai, Y., Kitabatake, A., Abe, H. A computer-based tomoflow system 4−49184
Chikalova-Luzina, O.P. *see* Gogitidze, N.Z. 4−58724
Chikawa, J., Sato, F., Sunada, T. Interface structure and solute trapping in rapid crystal growth of silicon and germanium from the laser-induced melt 4−29438
Chikhani, A.Y. *see* Salama, M.M.A. 4−45109, 4−45496, 4−62244, 4−62245
Chikichev, S.I., Kalukhov, V.A. Anisotropic capture of two deep intrinsic centers in liquid-phase epitaxy of gallium arsenide 4−58038
Chikichev, S.I. *see* Bolkhovityanov, Yu.B. 4−58035
Chikira, K. *see* Shimoda, H. 4−57601
Chikunov, L.I. Rod and loop stripline resonators 4−41566
Child, J. New technology and developments in management organization 4−45905
Childers, D.G. *see* Bocchieri, E.L. 4−43243
Childers, D.G. *see* Larar, J.N. 4−37979
Childers, D.G. *see* Yea, J.J. 4−37906
Childress, D.S. Control interface strategies 4−56205
Childs, K.W., Courville, G.E., Childs, P.W. An investigation of factors influencing infrared roof moisture surveys using a mathematical model 4−55745
Childs, P.A., Eccleston, W. Impact ionization induced minority carrier injection by avalanching *p-n* junctions 4−51827
Childs, P.W. *see* Childs, K.W. 4−55745
Childs, R.E., Jr., Crawford, J., House, D.L., Noyce,, R.N. A processor family for personal computers 4−35863
Childs, R.L. *see* Gabriel, T.A. 4−39433
Chilingar, G.V., Fertl, W.H. Natural gamma ray spectral logging and pulsed neutron application in heavy oil reservoir evaluations 4−35109
Chilingaryan, Yu.S. *see* Arakelyan, S.M. 4−47306
Chillag, L. *see* Yanoshi, M. 4−37283
Chilo, J., Arnaud, T. Coupling effects in the time domain for an interconnecting bus in high-speed GaAS logic circuits 4−35749
Chilukuri, S.B. *see* Stefanakos, E.K. 4−34915
Chilwell, J., Hodgkinson, I. Thin-films field-transfer matrix theory of planar multilayer waveguides and reflection from prism-loaded waveguides 4−47258
Chilwell, J. *see* Stegeman, G.I. 4−37441
Chimczak, E., Gordon, W.S., Bertrandt-Zytkowiak, M. Model of the electroluminescence in short-pulse-excited thin-film structures based on ZnS:Mn 4−37209
Chimisov, Yu.M. *see* Gorshunova, N.N. 4−55491
Chimot, J.M., Le Baron, Y. 'Real-time' automation of hydrographic surveys at the S.H.O.M. [Naval Hydrographic & Oceanographic Service] 4−56306
Chin, A.K., Chen, F.S., Ermanis, F. Failure mode analysis of planar zinc-diffused $In_{0.53}Ga_{0.47}As$ *p-i-n* photodiodes 4−31235
Chin, A.K., Zipfel, C.L., Geva, M., Camlibel, I., Skeath, P., Chin, B.H. Direct evidence for the role of gold migration in the formation of dark-spot defects in 1.3-μm InP/InGaAsP light-emitting diodes 4−52816
Chin, A.K. *see* Camlibel, I. 4−52797
Chin, A.K. *see* DiGiuseppe, M.A. 4−50783
Chin, A.K. *see* Mahajan, S. 4−31245
Chin, B.A. *see* Khan, M.A. 4−55473
Chin, B.H., Frahm, R.E., Sheng, T.T., Bonner, W.A. Carrier saturation in tin-doped InP films grown by liquid phase epitaxy 4−51779
Chin, B.H. *see* Chin, A.K. 4−52816
Chin, B.H. *see* DiGiuseppe, M.A. 4−50783
Chin, B.H. *see* Mahajan, S. 4−31245
Chin, F.Y. *see* Tsin, Y.H. 4−50666
Chin, G.M. *see* Bosch, M.A. 4−52113
Chin, G.M. *see* Ko, P.K. 4−36885
Chin, M. *see* Li, P.W. 4−51339
Chin, R.C.Y., Manteuffel, T.A., de Pillis, J. ADI as a preconditioning for solving the convection-diffusion equation 4−40989
Chin, S.A. *see* Chen, D.Y. 4−41661, 4−52140
Chin, T.-S., Lee, P.Y., Chang, C.Y., Wu, T.S. Effect of alloying on magnetic properties of Fe-Cr-12 wt.% Co permanent magnet alloys 4−47171
Chin-An Chang, Chang, L.L., Mendez, E.E., Christie, M.S., Esaki, L. Electron densities in InAs-AlSb quantum wells 4−51821
Chin-Min Lin *see* Mohan, S. 4−43283
Chin-Tang Chen, Fang-Churng Tseng, Chun-Yen Chang, Ming-Kwang Lee Study of electrical characteristics on thermally nitrided SiO_2 (nitroxide) films 4−46879
Ching Tsang Magnetics of small magnetoresistive sensors 4−31011
Ching-shen Su A dual purpose ion source operating in pulsed or in continuous modes 4−49064
Chinkov, V.N. *see* Mints, M.Ya. 4−45096
Chinlin Jian *see* Jian Chinlin
Chinlon Lin *see* Tucker, R.S. 4−37422
Chinn, J.D., Adesida, I., Wolf, E.D. Profile formation in CAIBE 4−46961
Chinn, J.D., Phillips, W., Adesida, I., Wolf, E.D. Ion beam etching of silicon, refractory metals, and refractory metal silicides using a chemistry assisted technique 4−30540
Chinn, J.D. *see* Wolf, E.D. 4−46942
Chinn, S.R., Spiers, R.J. Modal gain in coupled-stripe lasers 4−42641
Chinn, S.R. *see* Waters, R.G. 4−52959
Chinnasamy, P. *see* Palanichamy, S. 4−45176, 4−45177, 4−45178
Chinone, N. *see* Ohishi, A. 4−53000
Chiong, K. *see* Yang, J.-M. 4−58949
Chiou, C.F. *see* Sun, P.K. 4−59004
Chiou, R.M. *see* Fu, S.L. 4−41610
Chiou, S.N. *see* Youn, D.H. 4−60062
Chiou, Y.-C. *see* Chen, S.-A. 4−50039
Chiou Bi-Shiou *see* Bi-Shiou Chiou
Chiou Guang-Song *see* Liu Chwei-Jeng 4−33653
Chipley, K.K., Parrelli, A.P. Design, fabrication, and testing of the pulse coils for the Large Coil Test Facility 4−59178
Chiplonkar, V.T. The electric arc discharge [light sources application] 4−62794
Chipman, R.A. High precision angle measurements off small surfaces 4−61528
Chirayil, R., Ehlig, P. IC-modem/phone-network interfaces meet FCC isolation, protection rules 4−32525
Chirico, C., Husson, B.D. Alignment fixture 4−30483
Chirico, C., Husson, B.D., Schnetzler, R.J., Weigel, W. Collet Pad Reference and Orientation Nest 4−36155
Chiricozzi, E. Three phase asynchronous motors of high energy efficiency 4−45436
Chirikalo, A.V. *see* Siukaev, A.V. 4−39957
Chirikalo, A.V. *see* Snukaev, A.V. 4−56704
Chirikov, S.N. *see* Kornilov, S.T. 4−31332
Chiritso, S.G. *see* Volkonskii, V.B. 4−61539
Chirkin, A.S., Yusubov, F.M. Spatial coherence of random light beams subject to thermal self-interaction 4−31493
Chirkin, A.S. *see* Fattakhov, A.M. 4−42386
Chirkin, M.V. *see* Melekhin, G.V. 4−31419
Chirlian, P.M., Giardina, C.R., Suffel, C.L. The effective bandwidth of signals 4−38020
Chiron, G., Delapierre, G., Rousseau, D. Recent developments in Fe-Ni thin film magnetometry 4−33231
Chirstoph, V. *see* Jahn, L. 4−47200
Chirtoc, M., Candea, R.M., Mercea, V. IR detection system with TGS crystal and preamplifier 4−44511
Chirtoc, M., Candea, R.M., Mercea, V. Operation theory of pyroelectric detectors. I. A new physical model and the resulting operation modes 4−48899
Chirtoc, M. *see* Dadarlat, D. 4−52440
Chisholm, J.P. *see* Clary, G.R. 4−44190
Chistyakov, S.V. *see* Igumenov, V.T. 4−36311
Chistyakov, Yu.D. *see* Nemtsev, G.Z. 4−30708
Chit, N.N. Adaptive design of recursive digital filters 4−30028
Chit-Sang Tsang, Lindsey, W.C. Bit synchronisation in the presence of asymmetric channel noise 4−53365
Chitale, S.A., Nilsson, A.A., Ajmera, R.C., Newcomb, R.W. VLSI contrast module for robotic vision 4−36916
Chittineni, C.B. Frequency domain optimal inverse convolution filtering of noise data 4−53610
Chiu, C.P. *see* Lee, F. 4−51357
Chiu, G. *see* Bucelot, T.J. 4−41310
Chiu, K. *see* Hsu, F. 4−42059
Chiu, K.-Y. *see* Hsu, F.-C. 4−42061
Chiu, L.C., Kao, C.K. Application of abrupt and graded gap structure in high speed semiconductor devices 4−36497
Chiu, L.C. *see* Chen, Z.H. 4−36549
Chiu, L.C. *see* Rav-Noy, Z. 4−52114
Chiu, M.-Y., Poleschinski, R., Banihashemi, A.R., Clark, S.J., Squires, R., Niedermayr, E. A high-performance vision system for robotics 4−43460
Chiu, N. *see* Dean, J.R. 4−56004
Chiu, P.H., Hsu, S., Box, S.J.C., Kwok, H.-S. A cascade pumped picosecond dye laser system 4−52930
Chiu, T.-L. *see* Haung, H.-M. 4−51389
Chiu, T.-L. *see* Ip, W. 4−58343
Chiu, T.-L. *see* Mehrotra, S. 4−51230
Chiu, T.Y., Oldham, W.G., Hovland, C. Low energy implantation of nitrogen and ammonia into silicon 4−36457
Chiu, W., Hogan, J., Antoniak, Z. Parametric testing and evaluation of a free-piston Stirling engine/linear compressor system 4−39095
Chiu Leung Wai *see* Leung Wai Chiu
Chiuta, I.N. *see* Antoniu, I.S. 4−62028
Chivel', Yu.A., Chumakov, A.N. A generator of electric and luminous pulses for the synchronization of instruments in plasma experiments 4−44521
Chivers, H.R. A practical fast exponentiation algorithm for public key 4−31899
Chizeck, H.J. Controllers for electrically activated muscle 4−49318
Chizeck, H.J., Kofman, L., Crago, P.E., Wilhere, G.F. Pulse-train controllers for functional neuromuscular stimulation 4−49320
Chizhov, S.A. *see* Volkonskii, V.B. 4−61539
Chmielewski, A. Computer predictions of ground storage effects on performance of Galileo and ISPM generators 4−40503
Chmielewski, A. The concept of rural telephone development 4−54124
Chmurny, J., Levicky, D. The use of the DF algorithm in picture processing 4−32017
Chmurny, J., Levicky, D. Points addressing in picture processing by means of DF algorithm 4−60171
Chmurny, J., Marchevsky, S. Implementing fast convolutors by engineering means 4−60038
Chmurny, J., Turan, J. Two-dimensional fast translation invariant transformations and their application to robotics 4−53911
Chmurny, J. *see* Chamraz, J. 4−39046
Cho, A.Y. *see* Brummell, M.A. 4−51850
Cho, A.Y. *see* Capasso, F. 4−37225, 4−42478, 4−52791, 4−52809
Cho, A.Y. *see* Chen, C.Y. 4−37232, 4−55478, 4−55496
Cho, A.Y. *see* Portal, J.C. 4−51848
Cho, C.H. *see* Pillai, N.R. 4−34446
Cho, F.V., Richard, F.V. SAW-laser communication link 4−52410
Cho, F.Y. *see* Hickernell, F.S. 4−59255
Cho, J.C. On minimum energy states of magnetic thin films 4−59127
Cho, T.-H. *see* Suk, M. 4−60205
Cho, Z.H. *see* Hong, K.S. 4−39478
Cho, Z.H. *see* Nalcioglu, O. 4−39538
Cho, Z.H. *see* Shepp, L.A. 4−49163
Cho Byung-Moon *see* Byung-Moon Cho
Cho Dong-Sub *see* Dong-Sub Cho
Cho Kyoung Ik *see* Kyoung Ik Cho
Cho Kyu Shim *see* Kyu Shim Cho
Chobanyan, R.A. *see* Kulichikhin, V.V. 4−34425
Chobanyuk, V.M. *see* Freik, D.M. 4−29527
Chockie, A.D., Barnhart, J.S., Scherer, J.B. An overview of research requirements for stationary combustion systems 4−40129
Chockie, A.D., Hostick, C.J., Badalamente, R.V. A review of nuclear power plant maintenance training/qualification programs 4−62311
Choe, D.HG., Knapp, C., Jacob, A. Production RIE. I. Selective dielectric etching 4−42000
Choe, H. *see* Huang, C. 4−58346
Choe, J.Y. *see* Uhm, H.S. 4−58698
Chohan, M.A. *see* Gustafsson, S. 4−39271
Choi, B.S., Cover, T.M. A conditional limit characterization of maximum entropy spectral estimation 4−43071
Choi, E. *see* Huey, H. 4−36191
Choi, H.J., Lindsey, W.C. Phase and frequency transfer analysis of N mutually synchronized oscillators 4−35682
Choi, H.K., Chen, K.-L., Wang, S. Analysis of two-section coupled-cavity semiconductor lasers 4−42644
Choi, H.K., Tsaur, B.-Y., Metze, G.M., Turner, G.W., Fan, J.C.C. GaAs MESFETs fabricated on monolithic GaAs/Si substrates 4−47131
Choi, J. Comments on Kalman filter applications to radar tracking 4−60148
Choi, J., Johnson, J.R. A modified discrete Fourier transform algorithm: a delta rotation algorithm 4−50730
Choi, K.K. *see* Wheeler, R.G. 4−51900
Choi, M.S., Fitzpatrick, D.A. Polysilicon resistor process 4−58971
Choi, S.S. Application of a static VAR system to the proposed Dampier-Karratha-Port Hedland 132 kV interconnection 4−39791
Choi, S.S. *see* Goh, T.N. 4−56497
Choi Jae-Seok *see* Jae-Seok Choi
Choi Jong Soo *see* Jong Soo Choi
Choi Kap Seok *see* Kap Seok Choi
Choi Keh Kun *see* Keh Kun Choi
Choi Kye Keun *see* Kye Keun Choi
Choi Se Gon *see* Se Gon Choi
Choi Young Kyun *see* Young Kyun Choi
Choinski, T.C. Composite coupler design 4−51515
Chojnowski, F. *see* Gutman, S. 4−57892
Chojnowski, J. *see* Kapron, H. 4−34063
Cholewicki, I., Lubina, M., Kozewnikow, W., Koczniew, A., Szkoda, K., Wolecki, E. The unified PI controlled series of DC motors for controlled drives 4−62554
Cholewka, J., Dziadecki, A., Grzegorski, J., Skotniczny, J. Electric drive with induction motor fed by a current inverter 4−34975
Chollet, G. *see* Jutand, F. 4−59986
Cholley, Y. *see* Beer, A. 4−61682
Chomiki, M., Genauzeau, F. A SAW 330 MHz-100 μs chirp generator 4−52422

Chon Zhiying, Liu Wanru, Xu Fugeng, Hu Zengpeng Parameter design for a part of AGC circuit in TV set 4—44213
Chong, C.Y. *see* Malhame, R. 4—49552
Chong, C.-Y., Malhami, R.P. Statistical synthesis of physically based load models with applications to cold load pickup 4—56512
Chong, T.W. *see* Bylanski, P. 4—43261
Chong Hwan Kim, Joon Yeal Park, Kye Keun Choi DC motor speed control using explicit MRAC algorithms 4—49906
Chong Kak Lee *see* Yoon Ki Shin 4—51446
Chong Kwan Un *see* Hee Dong Kim 4—47764
Chong-fan He *see* Yi-fan Gu 4—61669
Chong-Fu Ying *see* Ying Chong-Fu
Chongda Fu *see* Fu Chongda
Chongfu Li *see* Li Chongfu
Chongjing Zhou *see* Zhou Chongjing
Chongzhi Yang *see* Yang Chongzhi
Choon Lee Seong *see* Seong Choon Lee
Choon Sung Kim *see* Yoon Ki Shin 4—51446
Choong Woong Lee *see* Yong Geol Shim 4—53635
Chopra, A. Maintenance-free sealed miniature lead-acid batteries 4—34862
Chopra, K.L. *see* Dutta, V. 4—61186
Chopra, K.L. *see* Rao, T.V. 4—50579
Chopra, K.L. *see* Sharma, N.C. 4—55483
Chopra, K.L. *see* Singh, J. 4—51796
Chopra, S.C. Traction batteries for electric vehicle application 4—35015
Choquet, B. *see* Belan, J.P. 4—61049
Choquet, M., Hemard, J., Le Maut, F. Remote modem control 4—54490
Chorafas, D.N. How Viewdata can help small and medium-sized businesses 4—32316
Chorafas, D.N. Whitbread: an example of the application of viewdata 4—32317
Chorafas, D.N. Designing and implementing local area networks 4—40695
Choras, R.S. Image processing system for industrial robots 4—47897
Chorley, B. Improving the reliability of computer power supplies 4—35608
Chorley, B.J., Parkin, G.I. The definition and implementation of a secure communications protocol 4—38329
Chornik, B. *see* Duraud, J.P. 4—51858
Chornous, V.P. *see* Zhemchugov, N.I. 4—57675
Chornyi, I.V. *see* Veselov, V.M. 4—39714
Chorowski, J. REZ-2A relay for DC network insulation state monitoring 4—62153
Chou, A. Operator training simulator—user's viewpoint 4—50379
Chou, E., Connor, G. A new concept in backplane communication 4—36097
Chou, G. *see* Lee, L. 4—37903
Chou, G.-C. *see* Lee, L.-S. 4—31937, 4—47796, 4—53452
Chou, S. *see* Kung, R.I. 4—51247
Chou, W. *see* Dassel, K.A. 4—38174
Chou, W. *see* Hubing, N. 4—32430
Chou, W.C. *see* Ferendeci, A.M. 4—41776
Chou, Y. *see* Shi, W. 4—46811
Chou Chien *see* Chien Chou
Chou Kua *see* Yang Changqi 4—50108
Chou Yue-hua *see* Ma Jin-yuan 4—44690
Choudhary, M.V. *see* Revankar, G.N. 4—46341
Choudhry, M.A., Carroll, D.P. Coordinated active and reactive power modulation of multiterminal HVDC systems 4—56569
Choudhry, M.A., Carroll, D.P. Coordinated active and reactive power modulation of multiterminal HVDC systems 4—62097
Choudhry, M.A., Ellithy, K.A. Dynamic stability of synchronous machines as affected by excitation system parameters and tie-line impedance 4—62517
Choudhry, M.A., Emarah, A.S. Coordinated active and reactive power modulation of a parallel AC-DC power system 4—62096
Choudhury, A.N.M.M., Tabatabaie-Alavi, K., Fonstad, G.C. Triple implant (In,Ga)As/InP n-p-n heterojunction bipolar transistors for integrated circuit applications 4—52071
Chouinard, G. DBS Earth receive terminal and the RARC-83 4—32934
Chouinard, M.P. *see* Cole, G.R. 4—32978
Chouinard, R. *see* Mansfield, D.K. 4—42565
Chouraqui, E. *see* Bourrelly, L. 4—30735
Choury, J.J. *see* Christin, F. 4—35511
Choury, J.J. *see* Rossignol, J.Y. 4—35512
Chove, J. Responsibility and quality assurance: changes brought about by quality circles 4—50573
Chow, B., Waldo, S. Developments in high-performance CMOS-logic 4—41291
Chow, K.K. *see* Leonard, W.B. 4—44859
Chow, L. *see* Bowden, W.L. 4—34835
Chow, L.C. *see* Takagi, S. 4—56124
Chow, L.S.H. *see* Smyk, E.B. 4—40181
Chow, M. *see* Chen, M.M. 4—52498
Chow, M.C. *see* Malek-Zavarei, M. 4—54538
Chow, M.-F. *see* Yang, J.-M. 4—58949
Chow, T.P., Steckle, A.J. A review of refractory gates for MOS VLSI 4—36875
Chow, T.S., Davis, W.R., Duerr, R.S., Erickson, J.M., Koffman, K.J. Multimodule and local toll—the evolution continues 4—32559
Chow, W., Graham, J.W. Cooling system biofouling control: assessment and practices 4—49739
Chow, W.W. *see* Shakir, S.A. 4—42509
Chow, Y. *see* Schwartz, R. 4—59995
Chow, Y.M. *see* Agarwal, R.P. 4—29423
Chow Quantie *see* Wang Daheng *(editor)* 4—29137
Chowdary, N.U., Steenaart, W. A high speed two-dimensional FFT processor 4—52309
Chowdary, T.H. Telecommunications in the rural areas of Andhra Pradesh 4—38395
Chowdhary, S. *see* Arora, P.N. 4—43023
Chowdhury, B.H. *see* Rahman, S. 4—40187
Chowdhury, N.A. *see* Rashid, M.H. 4—49978
Chowdury, S.N.Datta *see* Datta Chowdury, S.N.
Choy, D.S.J. Fiber-optic laser tunneling device—the laser catheter 4—39604
Chraplyvy, A.R., Henry, P.S. Lightwave system performance limits due to fiber nonlinearities 4—52641
Chraplyvy, A.R., Marcuse, D., Henry, P.S. Carrier-induced phase noise in angle-modulated optical-fiber systems 4—31121
Chraplyvy, A.R., Marcuse, D., Henry, P.S. Carrier-induced phase noise in angle modulated optical fiber systems 4—32832
Chraplyvy, A.R., Stone, J. Synchronously pumped D_2 gas-in-glass fiber Raman laser operating at 1.56 μm 4—42545
Chrinian, A.E. Automatic conveying, positioning and testing apparatus 4—55191
Christ, H. O-Bahn: concept, components, applications 4—34998
Christel, K.J. Risk management: a necessary tool for satellite owners and users 4—39640
Christen, A. International cooperation for technical safety tests 4—40779
Christen, M. Air and gas damping of quartz tuning forks 4—48832
Christen, R. *see* Abbas, M. 4—57039
Christensen, C., Matheson, T.G., Buric, M.R. Simulation and verification of Plex microcomputers 4—35869
Christensen, C. *see* Buric, M.R. 4—35868
Christensen, C. *see* Matheson, T.G. 4—35584
Christensen, C.P. New laser source technology 4—47400
Christensen, G.S. *see* Rao, R.S. 4—34480
Christensen, J.P. *see* Sauer, P.W. 4—62091
Christenson, J.A. *see* Holman, R.R. 4—40125
Christiansen, C.F., Valla, M.I., Martinez, N.H. Wideband driver for power MOSFETs 4—30635
Christiansen, C.F.F Valla, M.I., Martinez, N.H. Circuits for floating excitation of cellular-type MOS transistors 4—36606
Christiansen, H.-M. Use of multilevel transmission for digital signals—an overview 4—38150
Christiansen, P. Integrated filter circuits: with switches and capacitors 4—58434
Christiansen, P.L. *see* Lomdahl, P.S. 4—42304
Christiansen, R.W. *see* Patterson, T.J. 4—55249
Christiansen, W.H. *see* Insuik, R.J. 4—52891
Christianson, C. *see* Foerster, C.L. 4—55785
Christie, M.S. *see* Chin-An Chang 4—51821
Christin, F., Heraud, L., Choury, J.J., Naslain, R., Hagenmuller, P. In-depth chemical vapour deposition of SiC within porous carbon-carbon materials 4—35511
Christman, E.A. *see* Hochheiser, E. 4—33895
Christodoulides, D.N., Joseph, R.I. Femtosecond solitary waves in optical fibres 4—52556
Christodoulides, D.N., Joseph, R.I. Dark solitary waves in optical fibers 4—59237
Christol, J. *see* Alves, R.V. 4—61575
Christoph, J., Hartig, H., Krause, T. Fast access to dynamic RAM 4—51195
Christoph, R. *see* Woschni, H.G. 4—49011
Christophe, F. *see* Dorey, J. 4—60902
Christopher, F.N. High temperature energy storage—what lies ahead? 4—34510
Christopher, N.S. Power systems for rural and remote telecommunications 4—62452
Christopher, P. Millimeter wave advantages for satellite communications 4—37590
Christou, A. Vacuum methods for layer deposition and application to device structures 4—46236
Christou, A., Davey, J.E., Tseng, W.F., Bark, M.L. InP mixer diodes with etched via ohmic contacts 4—36037
Christou, A., Richmond, E.D., Wilkins, B.R., Knudson, A.R. Surface treatment of (1$\bar{1}$02) sapphire and (100) silicon for molecular beam epitaxial growth 4—35499
Christov, C. *see* Iliev, S. 4—34092, 4—34096
Christov, G., Encheva, T., Ivanchev, M., Janev, N., Jotov, J., Kaltinska, R. Program package LSSP for linear problems with sparse or structured matrix 4—29368
Chrmurny, J., Chamraz, J. New methods of generating tests for testing microprocessors 4—46494
Chroboczek, J.A., Pollak, F.H., Staunton, H.F. Impurity conduction in silicon and effect of uniaxial compression on p-type Si 4—51760
Chromiak, H. Examinations of glass optical fibre structures by means of electron microprobe 4—59217
Chrostowski, J. *see* Vallee, R. 4—52729
Chroust, G. *see* Horn, W. 4—56149
Chruscielewski, W., Olszewski, J., Wojda, A., Domanski, T. Some essential features of CN-85 Kodak-Pathe track etch foil used for the detection of radon and its daughters 4—55972
Chruscielewski, W. *see* Domanski, T. 4—55968
Chryssostomidis, C., Patrikalakis, N.M. Theoretical and experimental prediction of the dynamic behavior of marine risers 4—61986
Chu, D. *see* Weedy, B.M. 4—34192
Chu, F. *see* Deschamps, L. 4—62130
Chu, F. *see* Pokrowsky, P. 4—53118
Chu, J. *see* Stalberg, E. 4—33840
Chu, K.-C., Lien, Y.E. Two issues in VLSI design systems: technology independence and data management 4—36896
Chu, K.R., Dialetis, D. Theory of harmonic gyrotron oscillator with slotted resonant structure 4—46762
Chu, K.R. *see* Barnett, L.R. 4—36192
Chu, K.R. *see* Dialetis, D. 4—36207, 4—41784
Chu, K.R. *see* Ganguly, A.K. 4—46763
Chu, N.N.Y. Generation of circuit pack fault patterns based on diagnostic and circuit connectivity 4—29597
Chu, P.L., Whitbread, T. Stress modification in optical fibre 4—42347
Chu, P.L., Whitbread, T. Stress transformation due to fusion splicing in optical fibre 4—47252
Chu, R.F., Avendano, R. Effect of line impedance on optimal power factor correction in nonsinusoidal systems 4—62100
Chu, S.F., Hu, C.C., Hwang, B.T. 'Rail go away' process for polysilicon emitter transistor 4—42146
Chu, S.F., Hwang, B.T., Wang, W. Self-aligned transistor structure using one polysilicon layer for base and emitter contacts 4—36405
Chu, S.L.G. *see* Adlerstein, M.G. 4—30096
Chu, S.S.F., Hu, C.C., Hwang, B.T. Railless polysilicon emitter process 4—41929
Chu, T. *see* Sferrazza Papa, J.N. 4—59115
Chu, T.H. *see* Farhat, N.H. 4—59619
Chu, T.L., Apostolakis, G.E. Assessment of the uncertainties associated with the core uncovery time in TMI-type accidents 4—35333
Chu, W.K. *see* Sadana, D.K. 4—46931
Chu, Y. *see* Madni, A.M. 4—61951
Chu, Y.H. *see* Schneider, K.S. 4—32648
Chu Bing-lin Some design formulas for a class of on-way planar hybrid power dividers 4—41547
Chu Guiyin *see* Ye Peixuan 4—37465
Chu Hao, Zimmermann, J., Charef, M., Rauquembergue, R., Constant, E. A semi-classical model for simulating inversion carrier transport in Si MOS devices 4—30442
Chu Shuni *see* Shuni Chu
Chu Zexiang *see* Chen Liyin 4—59403
Chu Zhenhe *see* Wang Daheng *(editor)* 4—29137
Chua, L.O., Lin, G.-N. Nonlinear programming without computation 4—29614
Chua, L.O., Szeto, E.W. Synthesis of higher order nonlinear circuit elements 4—29615
Chua, L.O. *see* Matsumoto, T. 4—58129
Chua, L.O. *see* Nishi, T. 4—35657
Chua, L.O. *see* Ushida, A. 4—29612
Chua, S.J. Distribution of modulated power among longitudinal modes of a semiconductor laser 4—42652
Chua, S.J. *see* Chan, P. 4—44084
Chuancai Peng *see* Peng Chuancai
Chuang, C.A., Martin, D.J., Moldovan, N. Miniaturization techniques benefit conformal arrays 4—59881
Chuang, C.-K. *see* Fukabayashi, T. 4—59975
Chuang, C.T. On the current-voltage characteristics of epitaxial Schottky barrier diodes 4—47001
Chuang, C.T., Arienzo, M., Tang, D.D., Isaac, R. Schottky barrier diodes with self-aligned floating guard rings 4—36545
Chuang, S.S. Force sensor using double-ended tuning fork quartz crystals 4—30896
Chuang Lin *see* Lin Chuang
Chuanmin Tang *see* Tang Chuanmin
Chuanren Qui *see* Qui Chuanren
Chubachi, N., Sannomiya, T. Scanning acoustic microscope in interference mode using frequency modulation method 4—56348
Chubachi, R., Tamagawa, N. Characteristics and applications of metal tape 4—30993
Chubarov, E.P. Metal processing control with mobile energy sources 4—57612
Chubb, D.L. Thermionic-photovoltaic energy converter 4—34952
Chubb, D.W.J. A comparative study of the robust properties of two formant trackers 4—43246
Chubb, S.R. *see* Freeman, A.J. 4—44680
Chuchalin, A.I., Loos, A.V. The resultant magnetising current in a synchronous machine during sudden short circuits 4—40227
Chuchalin, A.I. *see* Sipailov, G.A. 4—40333
Chuchro, J. *see* Meder, L. 4—49648
Chudakov, V.A. *see* Anshakov, O.M. 4—46783
Chudik, R. *see* Horvath, T. 4—49811
Chudinov, A.V. *see* Garbuzov, D.Z. 4—42468, 4—47470
Chudnov, A.M. Systems analysis under structurally uncertain conditions 4—53341

Chudnov, A.M. *see* Milyutin, Ye.R. 4—42887
Chudnovskaya, I.I., Shtern, Z.Yu. The state of iron oxide layers in supercritical pressure superheaters under neutral-oxidising water conditions 4—40107
Chudnovskii, F.A. *see* Agrinskii, P.V. 4—42741
Chudutov, Yu.V., Pisarenko, V.V., Tsybanev, G.V. Invariant half-bridge circuits for measuring the bending moment 4—55431
Chudzienski, E., Mitschel, H. Overview of coupled district heating and power generation in Hamburg, and adaptation of the network to future developments 4—34410
Chuguev, Yu.M. *see* Zezyul'kin, G.G. 4—57155
Chui-an Ge *see* Ge Chui-an
Chujo, T. *see* Hino, Y. 4—54603
Chukhichev, M.V. *see* Saparin, G.V. 4—42466
Chukhno, V.I. *see* Chernenko, P.A. 4—62084
Chuklyaev, S.V. *see* Bakulin, Yu.P. 4—39455
Chul Jae Shin *see* Young Soo Kim 4—47698
Chul Lee Sang *see* Sang Chul Lee
Chulyaeva, E.G. *see* Borisovskii, S.P. 4—31440
Chumakov, A.N. *see* Chivel', Yu.A. 4—44521
Chumakov, V.A. Augmented sensitivity of pneumoacoustic transducers 4—55421
Chumkaov, A.I. *see* Astvatsatur'yan, E.R. 4—33717
Chun Hai Yu *see* Yu Chun Hai
Chun-hua Jiang *see* Jiang Chun-hua
Chun-lian Yu *see* Yu Chun-lian
Chun-sheng Ma *see* Ma Chun-sheng
Chun-Yen Chang *see* Chin-Tang Chen 4—46879
Chun-yu Liang *see* Liang Chun-yu
Chunfei Li *see* Li Chunfei
Chung, A.S., Mazzocco, C.F. The design and development of a battery ampere-hour meter for spacecraft applications 4—34241
Chung, C.H. *see* Lu, S. 4—47233
Chung, D.D.L. *see* Xian-Fu Zeng 4—46870
Chung, D.W. *see* Banerjee, I. 4—29472
Chung, H.K., Zimmermann, P.H. Origin of noise currents in ion-implanted MW $Hg_{1-x}Cd_xTe$ PV arrays 4—37234
Chung, H.K. *see* Rosenberger, A.T. 4—42690
Chung, H.-Y., Debban, W. Analysis of chopper control of DC shunt motor using augmented state transition matrices [electric vehicles] 4—62556
Chung, K.C. Structure of covariance matrix and eigenvalues of broadband tapped delay line adaptive array 4—60108
Chung, K.C. *see* Reger, S.I. 4—56141
Chung, S.-K. A one-dimensional analysis of magnetization ripple in uniaxial thin films with perpendicular anisotropy 4—30941
Chung, T., Premji, A., Carter, C.R. Signal processing methods for SARSAT signals 4—32758
Chung, W.S., Watanabe, K. Active-RC-circuit synthesis for the simulation of a grounded inductor 4—46555
Chung, Y. *see* Azim Khan, A. 4—46886, 4—51889
Chung Han Lee *see* Jin Seob Aoum 4—47908
Chung Han Lee *see* Seong Choon Lee 4—53905
Chung Jai-Kil *see* Jai-Kil Chung
Chung Kwang Sue *see* Kwang Sue Chung
Chung Sang Koo *see* Sang Koo Chung
Chung Who Kee *see* Who Kee Chung
Chung Yi Bae *see* Young Suk Lim 4—47649
Chung Young-Chul *see* Young-Chul Chung
Chung-hua Chang *see* Chang Chung-hua
Chung-Yan, G. Video teleconferencing in the Ontario government—an implementation case study 4—32992
Chungen Xue *see* Xue Chungen
Chunguang Chen *see* Chen Chunguang
Chunjin Li *see* Li Chunjin
Chunlai Zhao *see* Zhao Chunlai
Chunming Gu *see* Gu Chunming
Chunping Zhang *see* Zhang Chunping
Chunyu Chang *see* Chang Chunyu
Chupriyanov, V.E. *see* Dimov, G.I. 4—39382
Chuquillanqui, S., Krasicki, R., Perez Segovia, T. A VLSI topological optimization strategy applied to PLA design 4—35774
Chura, V. High frequency oscillations in the stator windings of high voltage induction motors 4—45433
Chura, V. Overvoltages in a coil by current chopping 4—49869
Churaev, A.L. *see* Berezinskaya, A.M. 4—53110
Churbakov, A.V. Photoelectric circuit for determining shadow boundaries 4—44512
Churbanov, M.F. *see* Bagrov, A.M. 4—31147
Church, B.L. The precision measurement and characterization of surface finish 4—61595
Church, L. *see* Heuberger, H. 4—48529
Churchill, H.A., Yates, J.W. Status report on the JLC panel on automatic testing 4—45915
Churchill, S.W. *see* Lior, N. 4—50119
Churchill, T.L. *see* Grossman, W.M. 4—47367
Churilov, A.I., Bezverkhnii, O.B. An analysis program for steady-state periodic conditions for high-Q non-autonomous RF circuits 4—41157
Churin, S.A. *see* Gaponov, S.V. 4—29480
Churnside, J.H. Signal-to-noise in a backscatter-modulated Doppler velocimeter 4—53115
Chursin, A.D. *see* Zubov, V.V. 4—31330
Chursin, A.S. *see* Viktorov, V.V. 4—55702
Chusov, I.I. *see* Gulyayev, Yu.V. 4—30413
Chusovitina, T.V. *see* Maurin, A.F. 4—29541
Chutang Liu *see* Liu Chutang
Chute, F.S. *see* Vermeulen, F.E. 4—40600
Chutov, Yu.I., Kravchenko, A.I., Lisitchenko, T.E., Chernolutsky, D.L. The experimental study of current oscillations in a plane gas-filled diode with a pulsing discharge 4—50113
Chuvashev, N.F. *see* Vasil'ev, M.B. 4—50860
Chuvychin, V.N. *see* Gurov, N.S. 4—45175
Chuvykin, B.V. *see* Pershenkov, P.P. 4—60028
Chwang, R. *see* Yu, K. 4—35787
Chwei-Jeng Liu *see* Liu Chwei-Jeng
Chye, P. *see* Kennan, W. 4—46631
Chyko, A.M. Urethane encapsulants for switchgear transformers 4—35318
Chyotkin, S.A. *see* Apollonov, V.V. 4—37413
Chyubachi, T. *see* Yamazawa, K. 4—32939
Ci-de Cheng *see* Cheng Ci-de
Ciaffi, M., Honorati, O. Analysis of the behaviour of an asynchronous generator for small-power wind-driven generating stations 4—34561
Ciany, C.N. *see* Grieco, D.M. 4—38374
Ciapetti, G. *see* Bizzarri, R. 4—55976
Ciaramella, A. *see* Castellino, P. 4—32501
Ciaramella, A. *see* Cavazza, M. 4—47789
Ciaravino, V. *see* Carstensen, E.L. 4—61752
Ciarcia, S. Build a scrolling alphanumeric LED display 4—33377
Ciarcia, S. Ciarcia's circuit cellar: a musical telephone bell 4—54098
Ciardiello, G. *see* Buttafava, P. 4—37019
Cibils, R.M., Buitrago, R.H. Microprocessor-based controller for automatic amorphous silicon solar cells characterization 4—55201
Cibis, K. *see* Ross, D. 4—48027
Cibulskis, J.M., Dyer, C.R. An analysis of node linking in overlapped pyramids 4—60183
Ciccarella, G., di Fonso, M. Microelectronics and computer science in education 4—35162
Ciccarella, G. *see* Bolle, G. 4—34922
Ciccarella, G. *see* Carlevaro, M. 4—45812
Cicchetti, O. *see* Carlevaro, M. 4—34553
Cicco, G.De *see* De Cicco, G.
Cichon, S. *see* Randak, O. 4—45237
Cicin-Sain, B. *see* Knecht, R.W. 4—61984
Ciciora, W. Cable videotex in the United States 4—48140
Ciciora, W.S. Pixels and bits—how videotex works 4—48090
Cid, J.L.Del Valle El *see* Del Valle El Cid, J.L.
Cid, M. *see* Ruiz, J.M. 4—34912
Cider, C.A. *see* Himpsel, F.J. 4—56047
Cidon, I., Sidi, M. The effect of capture on collision-resolution algorithms 4—32137
Cidon, I., Sidi, M. Effects of capture on collision-resolution algorithms 4—48557
Cielo, P. *see* Dufour, M. 4—35319
Ciepielowski, T. *see* Romaniuk, R. 4—43593
Cieslewicz, K., Marciniak, L. Automatic fault location in branched-off medium voltage distribution cable networks 4—49647
Cieslicki, K., Lammel, L., Roszczyk, M. Some aspects of industrial measurements of small flow rate by a capacitance method 4—61587
Ciessow, G. *see* Dreimann, K. 4—50151
Cihak, J. Abdominal tokography 4—33793
Cihak, J., Cihakova, J., Nemecek, P., Nemeckova, A. Parasitic photosensitivity of diffusion silicon tensometers 4—55415
Cihakova, J. *see* Cihak, J. 4—55415
Cihelka, J. *see* Moravora, H. 4—49990
Cima, D. *see* Keller, H. 4—55466
Cimador, G. *see* Grossoni, M. 4—57194
Ciminiera, L., Piccolo, E., Serra, A. A problem oriented architecture for speech analysis and synthesis 4—38141
Ciminiera, L., Valenzano, A. iAPX 432 hardware fault-handling mechanisms 4—51261
Cindrich, I., Upatnieks, J., Aleksoff, C. Optical processing techniques 4—60277
Cingolani, A. *see* Catalano, I.M. 4—31492
Cinitsin, B.M. *see* Dikun, T.F. 4—41764
Cinotti, A.A. *see* Hsiao, Y.H. 4—49211
Cinti, R.C. *see* Nguyen, T.T.A. 4—41898
Ciobanu, M. Estimation of the reliability of power supply to the consumers from the local cogeneration plant and from the national power system using the new index 'P'. level to which the power is demanded from the cogeneration plant and from the national power system 4—56393
Ciobanu, M. *see* Ciureanu, P. 4—42261
Ciobanu, M. *see* Manolescu, G. 4—56495
Ciobotaru, D. *see* Beu, T.A. 4—41759
Cioffi, J. *see* Lev-Ari, H. 4—43309
Cioffi, J.M., Kailath, T. Fast, recursive-least-squares transversal filters for adaptive filtering 4—43334
Cipolla, J.W., Jr. *see* Morse, T.F. 4—31133
Ciraci, S., Batra, I.P. Bonding and electronic structure of the GaAs (110)-Al interface 4—41902
Ciraci, S. *see* Batra, I.P. 4—52036
Ciraky, R. Introduction of telephone networks for mobile subscribers 4—60407
Ciraolo, L. *see* Stefanutti, L. 4—61915
Cirillo, N.C., Jr., Abrokwah, J.K., Shur, M.S. Self-aligned modulation-doped (Al,Ga)As/GaAs field-effect transistors 4—36602
Cirillo, N.C., Jr. *see* Abrokwah, J.K. 4—52094
Cirtina, G. Influence of electricity network parameters upon the statistical magnitudes of voltage variations 4—34143
Cisneros, C. *see* Alvarez, I. 4—44677
Cistola, A.B. Microstrip circuit package assembly 4—29258
Ciszek, T.F. Techniques for the crystal growth of silicon ingots and ribbons 4—50742
Ciszek, T.F. *see* Tsuo, Y.S. 4—41816
Citron, T.K., Kailath, T. An improved eigenvector beamformer 4—60103
Cittadino, J. Advancing C^3: a view from OSD [communications, command and control systems] 4—54057
Cittolin, S. *see* Centro, S. 4—55849
Ciura, S. *see* Popczyk, J. 4—45085
Ciureanu, P., Korony, G. Single turn thin film magnetic recording head 4—37031
Ciureanu, P., Korony, G., Ciobanu, M. On the inductance of a integral spiral magnetic head 4—42261
Civanlar, M.R. *see* Trussell, H.J. 4—43329, 4—60075
Civanlar, S. *see* Grainger, J.J. 4—62173
Civit, A. *see* Acha, J.I. 4—41438
Cizek, P., Englich, J., Fahnrich, J., Cerveny, J. Quality factor measurement of metallic resonators by capacitive transducers method 4—61540
Cizmar, A. *see* Hoffman, J. 4—44463
Cjiou Shing Zhung *see* Shing Zhung Cjiou
C.L., Jr.Brockman *see* Brockman C.L., Jr.
Claasen, T.A.C.M., Beenker, G.F.M. On binary sequences with low off-peak autocorrelation coefficients 4—43075
Claasen, T.A.C.M., Mecklenbrauker, W.F.G. On the time-frequency discrimination of energy distribution: Can they look sharper than Heisenberg? 4—53767
Claasen, T.A.C.M. *see* Verhoeckx, N.A.M. 4—35968
Claassen, J.H. Noise properties of granular NbN Josephson microbridges 4—37065
Clabburn, R.J.T., Looms, J.S.T. A hybrid system for outdoor insulation 4—59075
Clack, R. *see* Townsend, D. 4—39528
Claes, V. *see* Van Ocken, E. 4—49266
Claesen, L.J.M., De Man, H.J., Vandewalle, J. DIGEST: a digital filter evaluation and simulation tool for MOS VLSI filter implementations 4—51430
Claesson, T. *see* Renhorn, I. 4—54897
Claiborne, E. *see* Darby, J. 4—35263
Clair, J.C.St. *see* St. Clair, J.C.
Clair, J.J. *see* Tardieu, A. 4—31183
Clancy, E.A. *see* Cavanaugh, K.T. 4—49315
Clancy, P. *see* Lierke, E.G. 4—56375
Clapis, A., Gallanti, M., Stefanini, A. Expert systems in plant diagnostics: a practical application 4—40191
Clapp, J.L., Shepard, R. Analog modeling improves test programs 4—42130
Claproth, A. *see* Kadekodi, N. 4—55279
Clara, F.M. Phase-lock loop project 4—35700
Clare, J. *see* Walsh, S. 4—62619
Clare, R., Shaw, T.L. A review of recent developments concerning the Severn barrage 4—34493
Clark, A.D. *see* Morrison, R.E. 4—62748
Clark, A.G. *see* Beer, A. 4—61682
Clark, A.P., Gabb, W.C., Fairfield, M.J., McVerry, F., Aftelak, S.B. Modulation/demodulation 4—38375
Clark, A.P., Hau, S.F. Adaptive adjustment of receiver for distorted digital signals 4—51443
Clark, A.P., Zhu, Z.C., Joshi, J.K. Fast start-up channel estimation 4—43019
Clark, B.D. *see* Garforth, D.L. 4—32763
Clark, C.V. *see* Merritt, S.Y. 4—50269
Clark, D. Terminal implications of multi-level videotex 4—48109
Clark, D., McWhorter, L. A simplified method of evaluating a normal bivariate probability density function 4—57899
Clark, D., Terzian, P.A., Strange, D., Tenedorio, J. GaAs MMICs are ready and able for EW 4—58517
Clark, D.E. *see* Free, W.R. 4—37645
Clark, G.A., Bedford, A.J. Performance results of a small-calibre electromagnetic launcher 4—42794
Clark, G.A., Bedford, A.J. Performance results of a small-calibre electromagnetic launcher 4—42828
Clark, G.A., Thio, Y.C. Design and operation of a self activation crowbar switch 4—42815
Clark, G.C. *see* Kapitan, L.W. 4—50769
Clark, G.J. *see* White, C.W. 4—58878
Clark, G.M., Tong, Y.C., Patrick, J.F., Seligman, P.M., Crosby, P.A., Kuzma, J.A., Money, D.K. A multi-channel cochlear prosthesis for profound-to-total hearing loss 4—61816
Clark, J.D. Public information terminals: bringing videotex to the mass audience 4—54250
Clark, J.O. A non USA intercontinental flag carrier overview of airborne collision avoidance 4—33943
Clark, L.O., Dupnock, A., Lucarini, V., White, W.H. Computer control of surface impurity by spreading resistance 4—36500

Clark, M.G. *see* Bone, M.F. 4—48976
Clark, P.E. *see* Campbell, J.J. 4—34657
Clark, P.W. *see* Corcoran, J.J. 4—51342
Clark, R. Satellite communications and banking 4—38588
Clark, R. Videotex for office users 4—48128
Clark, R.H. *see* Ronen, J. 4—37777
Clark, S.E., Tsang, J.-K., Marolf, J.W. Deposition and patterning of tungsten and tantalum polycides 4—42170
Clark, S.J. *see* Chiu, M.-Y. 4—43460
Clark, T.D. *see* Mutton, J.E. 4—59169
Clark, T.D. *see* Widom, A. 4—51569
Clark, W. Archival videodiscs: an instructional tool 4—40742
Clarke, A.C. The space-station. Its radio applications 4—54700
Clarke, A.M. *see* Ham, W.T., Jr. 4—56206
Clarke, B. Virginia's antenna farmer 4—37731
Clarke, C.D. *see* Dixon, D.G. 4—33605
Clarke, C.K.P. Digital filters and interpolators—a comparison 4—51476
Clarke, J., Swain, G. Infrared remote control for the Touch-lamp Dimmer 4—50206
Clarke, J. *see* Wellstood, F. 4—56277
Clarke, J. *see* Wiesenfeld, K. 4—31076
Clarke, J.A., Dewey, R.J. Millimeter wave imaging lens antenna 4—47697
Clarke, J.D. *see* Olsen, K.H. 4—35856
Clarke, J.M. *see* Mauriello, A.J. 4—37625
Clarke, J.R. *see* Beckett, V.S. 4—49702
Clarke, J.R. *see* Catron, P.W. 4—61829
Clarke, N. The European opportunity [satellite cable TV] 4—61072
Clarke, P. Photoelectrics 4—52790
Clarke, P.D. *see* Inkol, R.J. 4—58471
Clarke, P.G. Status of CCITT studies on the overall performance of public data networks 4—32437
Clarke, P.G. High frequency converters for battery charging 4—45538
Clarke, P.G. Future R&D requirements—electrical vehicle optimization 4—45719
Clarke, P.G., Revell, B., Walker, D. An integrated battery powered vehicle controller/charger system 4—62742
Clarke, R.C. A high-efficiency castellated gate power FET 4—58539
CLarke, R.C., Eldridge, G.W. Transient capless annealing of ion-implanted GaAs 4—51983
Clarke, R.J., Arya, P., Potter, R.J., Smith, G.J., Smith, I.D. Hierarchical design verification and incremental test of a 100000 transistor integrated circuit 4—59007
Clarke, R.J. *see* Cham, W.K. 4—60235
Clarkson, I.R., Neef, W.S. Configuration and layout of the tandem mirror fusion power demonstrator 4—62338
Clarricoats, P.J.B., Tun, S.M., Brown, R.C. Performance of offset reflector antennas with array feeds 4—42971
Clarricoats, P.J.B., Tun, S.M., Parini, C.G. Effects of mutual coupling in conical horn arrays 4—42970
Clarricoats, P.J.B. *see* Olver, A.D. 4—37756, 4—42951
Clary, G.R., Chisholm, J.P. Development and flight test of an X-band precision approach concept for remote-area rotorcraft operations 4—44190
Clary, J.B., Burlage, D.W. The impact VLSI on digital system design 4—46404
Clary, M.C. *see* Klaasen, K.P. 4—48589
Classen, T.A.C.M. *see* van Gerwen, P.J. 4—54102
Clatterbaugh, G.V., Weiner, J.A., Charles, H.K., Jr. Gold-aluminum intermetallics: ball bond shear testing and thin film reaction couples 4—58664
Claude, Y. *see* Tai, K. 4—42708
Claus, M. The use of stereo correlation calculations to obtain 3-D pictures from scanned stereo pictures 4—38075
Claus, R.O., Wade, J.C. Stress concentration measurement in a rectangular plate using an array of embedded optical fibers 4—61550
Claus, R.O. *see* Burrier, R.A. 4—56359, 4—62014
Claus, R.O. *see* Dockery, G.D. 4—56358
Claus, R.O. *see* Gray, J.W. 4—52362
Claus, R.O. *see* Jackson, B.S. 4—62005
Claus, R.O. *see* Kumar, G.A. 4—59948
Claus, R.O. *see* O'Conner, W.T. 4—61353
Clausen, H.D., Sausen, F. HDLC and similar control procedures for satellite links 4—53954
Clausen, H.D., Thaller, F.X. Dynamic multiple access techniques for data transmission via satellites 4—43487
Clausen, J. *see* Johansen, P. 4—53888
Clausen, S.-E. Administration, operation and maintenance of digital PABXs 4—54573
Clauss, W. New continuously operating heat treatment plants for tempering small mass and standardised parts 4—45795
Clauvin, W.J. *see* Braunovic, M. 4—41634
Claverie, J. *see* Campet, G. 4—37204
Clawin, D., Langmann, U. Monolithic multigigabit/s silicon decision circuit for applications in fibre-optic communication systems 4—44086
Clawson, A.R. *see* Elder, D.I. 4—30521
Clawson, J.G. How organizational environments affect mentoring 4—50419
Clay, A.F. Shipboard Data Highway 4—54417
Clay, C.W. Digital electronic flight decks: the outlook for commercial aviation 4—49379
Clay, P.G. *see* Asfar, A.N. 4—55882
Claydon, B., Dinwiddy, S.E., Adatia, N. Multiple-beam antennas for contiguous coverage of Europe for business service applications 4—59869
Clayman, D.B. Fixturing for automatic testing of SMDs 4—57810
Clayton, F.M. Numerical calculation of intermodulation products produced by a memoryless nonlinearity 4—43083
Clayton, J.E. Low-cost high-density memory packaging. A 64K×9 DRAM SIP module 4—40862
Clayton, R. *see* Algar, J. 4—57890
Clayton, R.H. Commercializing dual energy heating systems 4—35052
Clayton, S.R. *see* Bocker, R.P. 4—53802
Clearfield, A. *see* Subramanian, M.A. 4—46833
Clearwaters, W., Griffin, J., Kelley, L., Mustafa, H. Development of a regional capability for the use of remote sensing products, the Northeast Area Remote Sensing System (NEARSS) 4—61954
Cleary, J.G., Witen, I.H. A comparison of enumerative and adaptive codes 4—43100
Cleary, J.G., Witten, I.H. Data compression using adaptive coding and partial string matching 4—47758
Cleary, J.G. *see* Witten, I.H. 4—32070
Cleaveland, P. Motor controls; a technology update 4—45681
Cleaveland, P. What's new in data acquisition? 4—48785
Cleaver, J.R.A. Microscopy and lithography with liquid-metal ion sources 4—41943
Cleaver, J.R.A., Heard, P.J., Ahmed, H. Scanning ion beam lithography for sub-micron structure fabrication 4—36380
Clechet, P., Joseph, J., Gagnaire, A., Lamouche, D., Martin, J.R., Verney, E. Coupled ellipsometric and capacitance measurements during growth of anodic oxide onto GaAs 4—30454
Cleevely, D. Regional structure and telecommunications planning 4—43527
Clegg, J.B. Trace impurity profiling in semiconductors 4—36467
Clegg, T.B. Lamb-shift sources—hopes and realities 4—61625
Clegg J.R. Hierarchical logical design using Texas Instruments Transportable Design Utility 4—51156
Clemen, R. *see* Baier, E. 4—51245
Clemens, H., Fanter, E.J., Ruhs, W., Bauer, G. Growth and characterization of PbTe epitaxial films grown by hot-wall epitaxy 4—36295
Clemens, H. *see* Ambrosch, K.E. 4—51853
Clemens, J. Learning from 1984: cable's critical test market 4—55032
Clemens, J., Murkisch, A. On the present development of video mixing unit operating technology 4—48613
Clement, S. *see* Billot, M. 4—29245
Clemente, S. *see* Fodor, G. 4—52097
Clementi, A. *see* Ardemagni, F. 4—38708
Clements, K.A., Lam, B.P., Lawrence, D.J., Reppen, N.D. Computation of upper and lower bounds on reliability indices for bulk power systems 4—62075
Clemetson, W. *see* O'Connor, P. 4—51152
Clemetson, W.J. *see* O'Connor, P. 4—54794
Clemmensen, J.M. *see* Vincent, W.R. 4—33455
Clemons, R.W. *see* Pierson, R.K. 4—34345
Clendening, S.J. *see* Maxham, K.Y. 4—54785
Clennell, W.A. *see* Barnes, N. 4—34439
Cleobury, D., Hurst, H., Davidson, S. The digital revolution [in communication networks] 4—54054
Clergeot, H. Filter-order selection in adaptive maximum likelihood estimation 4—43307
Clergeot, H. Choice between quadratic estimators of power spectra 4—53580
Clerihew, A.F. *see* Lattanza, J. 4—52409
Clerman, R.J. Combining biology and electronics 4—30213
Clermont, F. *see* Lea, W.A. 4—53571
Cleve, C.B.Van *see* Van Cleve, C.B.
Cleve, H.-H.von *see* von Cleve, H.-H.
Cleverley, I. *see* Colven, D. 4—35041, 4—35042, 4—35043, 4—40591
Cleverley, M. A new partnership of cable interests 4—61065
Clewley, B. *see* Fraser, B. 4—39061
Clifford, E.T.H., Hagberg, E., Koslowsky, V.T., Hardy, J.C., Schmeing, H., Azuma, R.E. Measurements of the response of a hybrid detector telescope to mono-energetic beams of positrons and electrons in the energy range 0.8-3.8 MeV 4—61688
Clifford, L. Computer models help shape energy policy 4—45030
Clifford, M. The dish [satellites] 4—53322
Clifford, M. From feedhorn to receiver 4—53323
Clifford, M. All about satellite TV 4—54692
Clifford, M. Direct broadcast satellites 4—54693
Clifford, M. Satellite receivers 4—54991
Clifford, S.F. *see* Bohlander, R.A. 4—37593
Clifton, J.S. The contribution of medical physics and engineering in health care. Medical instrumentation—the digital revolution 4—44764
Clifton, S., Mongeau, P. Transient response of coaxial pulse coils 4—42810
Climent, A., Fonash, S.J. Growth and electrical characteristics of palladium silicide contacts on dry-etched silicon surfaces 4—51872
Clinard, K.N. Utility experience and desires for distribution power line carrier communications 4—32626
Clinard, K.N. Distribution automation: research and the emergence of reality 4—62172
Clinard, K.N. *see* Grainger, J.J. 4—62173
Clinch, C.E.E. The other railway 4—45697
Cline, C.E., Altson, J. There's more to videotex than graphics creation 4—54233
Cline, D. *see* Aprile-Giboni, E. 4—55812
Cline, H.E. A single-crystal silicon thin film formed by secondary recrystallization 4—46233
Cline, J.F. *see* Venters, R.A. 4—51530
Cline, R.W. Telecommunications—a challenge to engineering educators 4—45888
Cline, T.L. *see* Gehrels, N. 4—33704
Clinton, B. Inhouse networking 4—43773
Closas, L. *see* Cabestany, J. 4—47008
Close, A.D., Fisher, L., McDermott, R.M., Nix, T.A., Perrine, D.M., Schoen, J.M. Design system for semi-custom VLSI circuits 4—52165
Close, L. *see* Abbey, J.C. 4—44755
Closs, F. *see* Bux, W. 4—48250
Closs, H. *see* Smith, R.P. 4—52134
Clough, R.L., Gillen, K.T. Accelerated aging tests for radiation degradation of organic materials 4—59078
Clover, J.G. Standards relating to optical coatings 4—42446
Clover, M.R. *see* Sondheim, W.E. 4—33658
Clow, D.G. Weather and microwave radio propagation 4—53222
Clower, P. Penn's two-tone gadget test oscillator design 4—51019
Clum, K.L., McNair, H.R., Pytlak, J.P. Static control in film transport systems 4—59695
Clum, K.L., McNair, H.R., Pytlak, J.P. Static control in film transport systems 4—59701
Coakley, F.P. On-board processor(s) for CERS 4—38577
Coakley, P.G., Wild, N., Treadaway, M.J. Laboratory investigation of dielectric materials exposed to spectral electron environments (1 to 100 keV) 4—31568
Coan, T.E. *see* Ahlen, S.P. 4—55955
Coane, P.J. *see* Kern, D.P. 4—30706
Coatanhay, J.-L., Gadenne, P., Gaudon, P. From the smallest to the largest: measurements of Surface Equivalent Radar at CELAR 4—60905
Coates, R., Dye, K., Knox, K. An electronic chart display for fishing vessels 4—39729
Coatrieux, J.-L. Online electromyographic signal processing system 4—33845
Cobb, K. *see* D'Aoust, J. 4—42799
Cobb, K.W. *see* Lonergan, J. 4—54840
Cobb, M. *see* Jerinic, G. 4—36068
Cobb, R.F. Use fast Fourier transform programs to simplify, enhance filter analysis 4—29990
Cobb, R.F. Format driving functions to simplify FFT routines [low-pass filter analysis] 4—35930
Cobb, R.F. Compute lowpass filter responses for special driving functions 4—41442
Cobb, R.F. Extend BASIC FFT capabilities to handle many filter types [Filter design series. IV] 4—46542
Cobbold, R.S.C. *see* Barabash, P.R. 4—30884
Cobeljic, S. *see* Petrovic, R. 4—60468
Cobianu, C. *see* Pavelescu, C. 4—52004
Coble, R.L. *see* Handwerker, C.A. 4—59102
Coburn, K.R. *see* Malina, R.F. 4—39449
Coburn, R.L., Hong, J.H., Wicker, R.C. Rotational frequency detector 4—29722
Coburn, T.T., Kuhn, J.K. The preferable technologies for eastern oil shale as defined by benchscale retorting studies 4—35108
Coc, A. *see* Anderson, L. 4—55989
Cocca, A.A. The need for a law of informatics in the context of space communications 4—54663
Cocco, G.Di *see* Di Cocco, G.
Cocco, N. *see* Pollon, G.E. 4—54876
Cochoff, G.F. *see* Marsolais, E.B. 4—56195
Cochran, R.R. Floodlighting hazardous areas 4—62807
Cochrane, G. CRTs still dominate but flat screens are on the way 4—33376
Cochrane, H.L. *see* Celenza, N. 4—50956
Cochrane, P. A Hermite series for error probability calculation in digital line systems 4—43040
Cockayne, B. *see* Hope, D.A.O. 4—58857
Cockayne, B. *see* Wright, P.J. 4—29491
Cockrill, J. *see* Finlay, H.J. 4—30108
Cockroft, R.D.H. Testing to destruction—its role today 4—40834
Cocks, D.T., Boland, J.S., III. A demonstration of the feasibility of controlling multiple home appliances with a single microprocessor 4—62839

Cocks, J.F. *see* Ferguson, J. 4—56498
Cockshott, R.A., Mason, I.M. The suppression of destructive sparks in parallel plate proportional counters 4—33685
Cocorullo, G., Prezioso, G., Zarcone, M. High reliability nickel electroless metallization of solar cells 4—34892
Cocquerelle, J.L. Electronic control of 1 kW step by step variable reluctance motor powered by accumulators 4—34637
Codara, L.C., Cantoni, A. The performance of adaptive beam forming using perturbation sequences 4—31790
Code, R.F. *see* Glinski, J. 4—52762
Code, R.F. *see* van Driel, H.M. 4—59308
Codechevre, E. Electronic materials and static electricity 4—31573
Codegone, M., Scarafiotti, A. A distributional treatment of linear-time-invariant system response to inputs with left-unbounded support 4—46307
Codella, C.F., Ogura, S. Submicron IGFET device with double implanted lightly doped drain/source structure 4—52112
Coderch, R.S. New activities based on electronics that lead to the reindustrialization process 4—50255
Codina, J.M. *see* Morenza, J.L. 4—29496
Codomo, J., Schafe, C.R. The cortical hearing aid 4—49311
Codrai, C., Crossland, P., Polwarth, D. Multiple line videotex adapter 4—48077
Cody, G.D. *see* Tiedje, T. 4—45653, 4—58773
Coe, D.J., Whight, K.R., Tree, R.J., Veveris, A.J. 3D numerical analysis of power MOSTs 4—36611
Coe, D.J. *see* Veveris, A.J. 4—36524
Coe, D.J. *see* Whight, K.R. 4—36487
Coelho, D.R. Behavioural simulation of LSI and VLSI circuits 4—42078
Coelho, F., Nuez, J.P. True/complement generator 4—41315
Coen, S.W., Hoffman, S.D. Safety requirements for radio and television receivers—1928 to the present 4—54980
Coenen, M.J. Cable selection: a means to achieve EMC? 4—37603
Coenning, F. *see* Amann, B. 4—33126
Coffey, T. *see* Sprangle, P. 4—31273
Coffield, D. *see* Hutchison, D. 4—48240
Coffman, D. *see* Balliet, L. 4—55320
Coffman, E.G., Jr. *see* Agrawala, A.K. 4—40921
Cofre, P. Extending the signal handling capacity of an X-Y recorder 4—33354
Cogan, A., Regan, R., Bencuya, I., Butler, S., Rock, F. High performance microwave static induction transistors 4—36056
Coggiola, M.J., Peterson, J.R. Systematic investigation of negative ion production from low-work function surfaces 4—44684
Coggiola, M.J. *see* Bae, Y.K. 4—44672
Coghill, G.G., Whittington, H.W. Hand-held digital sonic pile-testing system 4—46265
Cogne, F. Progress in nuclear safety 4—40025
Cogo, J.R. *see* de Oliveira, J.C. 4—57294
Cogswell, G. *see* Shearer, M.H. 4—51927
Cohausz, L. *see* Kassing, R. 4—36248
Cohen, A., Scharf, S.M. Processing of the respiratory muscle EMG for fatigue analysis 4—39573
Cohen, A.I. *see* Wan, S.H. 4—56500
Cohen, A.O. *see* Johnson, G.W. 4—60132
Cohen, C. DC-plasma panel displays full page in 8-by-5-in. area 4—33379
Cohen, C. From a seasoned consumer base, Japanese C-MOS moves to higher levels 4—36826
Cohen, C. *see* Rabinzohn, P. 4—46953
Cohen, D., Postel, J. The ISO reference model and other protocol architectures 4—54396
Cohen, D. *see* Lewicki, G. 4—42172
Cohen, E.A. The study of the effect of solar eclipses on the ionosphere based on satellite beacon observations 4—47619
Cohen, E.J. ANSI—the standards umbrella 4—35117
Cohen, G., Lempel, A. Linear intersecting codes 4—43139
Cohen, H., Lenstra, H.W., Jr. Primality testing and Jacobi sums 4—29405
Cohen, J. Thermal imaging system performance measures for nondestructive testing 4—55244
Cohen, J. *see* Chenevier, P. 4—34909
Cohen, J.M., Moses, H.E., Rosenblum, A. Accurate time-keeping and accurate navigation 4—38727
Cohen, J.R., Mercer, R.L. Nonlinear score adjustment for speech recognition 4—47794
Cohen, J.R., Mercer, R.L. Speech recognition silence cluster seeding 4—53465
Cohen, J.S., Judd, O.P. High-energy optically pumped iodine laser. I. Kinetics in an optically thick medium 4—31311
Cohen, L. Distributions in signal theory 4—60138
Cohen, L.G., Pearson, A.D. A systematic approach to fabricating single-mode lightguides 4—59199
Cohen, L.G. *see* Pearson, A.D. 4—52635
Cohen, L.G. *see* Sears, F.M. 4—42366, 4—59200
Cohen, M. *see* Efurd, R. 4—38678
Cohen, M.N., Perry, B., Baden, J.M. Preliminary analysis of IPAR field performance 4—54878
Cohen, P.I. *see* Pukite, P.R. 4—50767
Cohen, R., Hamer-Hodges, K.J., De Wachter, G., Weisschuh, H. System 12 integration and field experience [ESS] 4—54569
Cohen, R.M. *see* Cherng, M.J. 4—29471
Cohen, R.S. Columbia University Southern Hemisphere Millimeter-Wave Survey Telescope 4—32888
Cohen, S., Lester, J.N. Ballasting the miniature metal halide lamp 4—57515
Cohen, S.N. *see* Syndulko, K. 4—49230
Cohen, S.S., Bower, D.H., Brown, D.M., Norton, J.F. Platinum silicide contacts to silicon by lift-off 4—52035
Cohen, S.S., Kim, M.J., Gorowitz, B., Saia, R., McNelly, T.F., Todd, G. Direct W-Ti contacts to silicon 4—58792
Cohen, W. *see* Derkach, D.J. 4—41421
Cohn, N. Recollections of the evolution of realtime control applications to power systems 4—34020
Cohn, N. The evolution of real time control applications to power systems 4—39827
Cohn, N. Area control performance measurement and corrective control in interconnected systems 4—39829
Cohn, R.W. *see* Wagers, R.S. 4—52378, 4—52384
Cohoon, J., Sahni, S. Heuristics for the board permutation problem 4—36132
Coker, C.H. *see* Fischell, D.R. 4—55117
Cokkinides, G. *see* Meliopoulos, A.P. 4—50351
Colardelle, J.S. *see* Lerouge, C.P. 4—51368
Colavita, P.E. Medium wave dipoles 4—37747
Colby, R.J., Parthasarathy, R., Stimson, A.L. An introduction to testing techniques in the INTELSAT TDMA DSI system. II. Satellite system operations guide (SSOG) tests 4—38514
Colby, R.J., Pontano, B.A. The INTELSAT TDMA operations center 4—32785
Colchen, A. *see* Personne, C. 4—49299
Colditz, A., Mollgaard, K. Computer-aided interactive map processing 4—43457
Coldren, L.A., Burrus, C.A., Ebeling, K.J., Koch, T.L., Swartz, R.G., Bowers, J.E. Verification of coupling gap dependence in coupled-cavity lasers 4—52996
Coldren, L.A., Koch, T.L. Analysis and design of coupled-cavity lasers. I. Threshold gain analysis and design guidelines 4—52973
Coldren, L.A., Koch, T.L. Analysis and design of coupled-cavity lasers. II. Transient analysis 4—52974
Coldren, L.A., Koch, T.L., Burrus, C.A., Swartz, R.G. Intercavity coupling gap width dependence in coupled-cavity lasers 4—37362
Coldren, L.A., Swartz, R.G. Generation of constant-power curves for three-terminal coupled-cavity lasers 4—31406
Coldren, L.A., Swartz, R.G., Ebeling, K.J., Burrus, C.A. Stable single-wavelength operation of two-section coupled-cavity lasers under modulation using feedback control 4—52997
Coldren, L.A. *see* Bowers, J.E. 4—37395, 4—52995
Coldren, L.A. *see* Cheng, C.L. 4—36641, 4—42062, 4—47031
Coldren, L.A. *see* Ebeling, K.J. 4—31371
Cole, A.G. *see* Paul, A.C. 4—47487
Cole, B.E., Moravec, T.J., Ahonen, R.G., Ehlert, L.B. The use of ion beam sputtered optical coatings as protective overcoats 4—42448
Cole, D.G. *see* Landgren, G.L. 4—49571
Cole, G.R., Bancroft, L.C., Chouinard, M.P., McCloud, J.W. Thermomagnetic duplication of chromium dioxide video tape 4—32978
Cole, H.A. Advances in telecine machines 4—32943
Cole, H.A. The role of the silicon compiler in the design of integrated circuits 4—52149
Cole, H.S., Woodbury, H.H., Schetzina, J.F. High quality epitaxial films of CdTe on sapphire 4—41053
Cole, J.H. *see* Dandridge, A. 4—52623
Cole, J.H. *see* DePaula, R.P. 4—59285
Cole, J.H. *see* Lagakos, N. 4—52637, 4—59256
Cole, L.J., Ryder, K.D. IBM information network: an implementation of network management in a large SNA network 4—32441
Cole, L.J. *see* Phile, W.G. 4—43542
Cole, M. Which primary battery for your design? 4—34825
Cole, P.C. An audio frequency keying monitor 4—51022
Cole, P.C. An audio frequency clipper/limiter 4—60692
Cole, R. User experience and evaluation of international X.25 services 4—43896
Cole, R., Lloyd, P. A flexible architecture for protocol studies in a multi-network environment 4—54400
Cole, R.E. *see* Pepper, R.L. 4—48616
Cole, R.S. *see* Jayasuriya, D.A.R. 4—59752
Cole, T.G., Van Den Oever, W.E., West, R.M.P. CRT vertical timebase utilizing programmable magnitude voltage steps 4—41248
Cole, T.W. The technological revolution in communications and computing 4—32146
Cole, T.W. *see* Shankar, P.M. 4—37507
Cole, W.A. *see* Parpia, Z. 4—30000, 4—35944
Cole, W.P. Requirements of the electronics industry for training in quality assurance 4—50572
Colegrove, G.A. *see* Burton, B.A. 4—49366
Colella, R., Luccio, A. Proposal for a free electron laser in the X-ray region 4—42507
Coleman, C., Lindholm, D., Peterson, D., Wood, R. High data rate magnetic recording in a single channel 4—42275
Coleman, D. *see* Brashler, M. 4—58992
Coleman, D.R. Education in the principles of quality assurance 4—50374
Coleman, E. *see* Green, M.L. 4—41094
Coleman, E. *see* Melore, D.P. 4—48415
Coleman, H.P., Wright, B.D. A compact flush-mounting antenna with direction finding and steerable cardioid pattern capability 4—47684
Coleman, H.P., Wright, B.D. An orthogonal mode (dual-sense) helical antenna 4—47685
Coleman, J.J. *see* Widiger, D. 4—52118
Coleman, M. Ageing mechanisms and stability in thick film resistors 4—41612
Coleman, M.J., Barioli, A. Connectors supplied with filters to counter electromagnetic interference 4—36117
Coleman, N. Graphic account [graphic display technologies] 4—33173
Coleman, R.J., Brady, W.F., Crot, D.L. A movable chin-pad steering control device for an electric wheelchair 4—56201
Coleman, R.V., Bell, L.D., Dragoset, R.A., Johnson, A.M., Hao-An Lu, Phillips, E.S. Barrier heights and electric-field-induced barrier shifts in doped tunnel junctions 4—36356
Coleman, T.F. Estimation of sparse Hessian matrices and graph coloring problems 4—35374
Coleman, T.F., Sorensen, D.C. A note on the computation of an orthonormal basis for the null space of a matrix 4—46151
Coleman, V. Design real-time Ethernet systems by giving priority to nodes 4—32373
Colens, A., Haarmann, G. The development of semicustom ICs [CAD] 4—52178
Coles, R.W. The transputer. A component for the fifth generation 4—35864
Coles, R.W. Micro-file. Filesheet 15. NSC800 4—46508
Coles, R.W. PE micro-file. Filesheet 16. NS16032 4—46509
Coli, V. Programmable array logic controls stepper motors 4—34699
Colin, F. *see* Sansen, W. 4—49185
Colin, G. *see* Argan, P. 4—33693
Colin, J.-M. Radio evolution and trends 4—44165
Colina, M.Sanchez *see* Sanchez Colina, M.
Colinge, J.P. *see* Vu, D.P. 4—30757
Colizzi, E. *see* Boggiatto, D. 4—44808
Coll *see* Chapelat 4—38600
Coll, C. *see* Bayes de Luna, A. 4—49248
Colla, A.M., Sciarra, D. Automatic diphone bootstrapping for speaker-adaptive continuous speech recognition 4—59991
Colla, F. Life test on DC capacitors 4—58569
Collado Rodriguez, A. Charge-coupled devices for solid-state image sensing systems 4—61270
Collard, D., Decarpigny, J.N. Two-dimensional process simulation using a quadratic finite element discretization 4—36687
Collard, D., Decarpigny, J.N. Two dimensional simulation of VLSI processes: a solution using finite element method 4—36733
Collard, J.C. *see* Tenkhoff, P.A. 4—32484
Collard, P.F. The laboratory—developing the film/tape interface 4—55048
Collart, R.E. *see* Whittler, W.H. 4—49373
Collaudin, P. Maintenance and service quality monitoring on the Lyons Metro 4—40552
Colleran, N. The Virginia Center for the Performing Arts: the installer's viewpoint 4—33005
Collett, J. Electrical systems of open cut coal mines 4—45078
Collett, R. ATE industry developments in 1983 4—33108
Collett, R. Recent developments in data acquisition systems 4—39088
Collett, R. Portable instruments: moving toward benchtop performance 4—39217
Collett, R. Strategies and tools for developing a μP-based system 4—51278
Collett, R.E., Bachant, P.W. Integration of BIT effectiveness with FMECA 4—46045
Collett, R.W. Measurement of in-bore set-back pressure on projectile warheads using hard-wire telemetry 4—48770
Collette, D.R. *see* Bryce, G.R. 4—46903
Collier, D.S. *see* Inigo, R.M. 4—62762
Collier, J.G. Nuclear energy 4—56738
Collier, M.J., McGlade, S.M., Stephens, P.E. The optical actuation of a process control valve 4—62674
Collier, N. Autocompass 4—35024
Collier, S.E. Dealing with cogenerators and small power producers: principle and methods 4—62101
Collin, C., Pinsard, H., Langlois, E. TFH 950 2 GHz troposcatter microwave link for rural telecommunications 4—54633

Collin, R.E. Equivalent line current for cylindrical dipole antennas and its asymptotic behavior 4—31742
Collingridge, D. Lessons of nuclear power: US and UK history 4—34281
Collingridge, D. Lessons of nuclear power—French success and the breeder 4—56741
Collings, J. Noise reduction in process control 4—53225
Collini, G.J., Horst, R.S., Marinaccio, F.A., Rozich, W.R., Saraf, L.H. Method for improved adhesion for resist films 4—58846
Collins, A. *see* Baxter, E. 4—50547
Collins, C.M., Gay, J. Digital data communication primer 4—54404
Collins, D.A. *see* Lile, D.L. 4—30769, 4—58930
Collins, D.A. *see* Messick, L. 4—35763
Collins, D.M. *see* Eglash, S.J. 4—36336
Collins, D.M. *see* Tan, T.S. 4—30649
Collins, D.M. *see* Wang, S.Y. 4—59332
Collins, E.W., Cooley, W.L. Use of event tree analysis to optimize electrical accident countermeasure systems for metal/nonmetal mines 4—50455
Collins, G.F. *see* Hwang, W.C. 4—40402
Collins, G.J. *see* Boyer, P.K. 4—50826
Collins, G.J. *see* Moore, C.A. 4—51862
Collins, G.J. *see* Rocca, J.J. 4—51696, 4—52892
Collins, G.J. *see* Thompson, L.R. 4—29532
Collins, G.W., Lunka, H.A., Rickert, D.W., Woods, J. Design and evaluation of the disk-cartridge concept for a high performance optical storage subsystem 4—44273
Collins, J., Litman, B.R. Regulation of the Canadian cable industry. A comparative analysis 4—44262
Collins, J.I., Edwards, R.Y., Jr. Scale modeling or numerical modeling for offshore structures? 4—61971
Collins, J.W. *see* Wiltshire, B. 4—61493
Collins, M.A. Traceable measurements and the national physical standards 4—33085
Collins, M.M.C. *see* Podgorski, A.S. 4—59810
Collins, M.T. *see* Sandorfi, A.M. 4—55985
Collins, R. *see* Michael, D.H. 4—29552
Collins, R. *see* Mirshekar-Syahkal, D. 4—58069
Collins, S.A., Jr. *see* Fatehi, M.T. 4—52710
Collins, S.R. *see* Glaser, R.M. 4—56163
Collins, S.R. *see* Gruner, J.A. 4—56162
Collins, W., Benfield, P. The photo-voltaic relay 4—51589
Collins, W.J.N. *see* Main, C. 4—33794
Collis, W.J. *see* Stefanakos, E.K. 4—34915
Collison, H.F. Protecting cables from environmental hazards 4—40798
Collongues, R. *see* Vivien, D. 4—42591
Collura, J. *see* Burgett, J. 4—59987
Colman, D. An advanced Darlington transistor for switch mode power control 4—45582
Colombani, L., Indelicato, G., Perinati, A., Tamburello, M. Development of an optical-fibre hybrid receiver 4—38650
Colombo, E., Santagostino, G. Results of the enquiries on actual network conditions when switching magnetizing and small inductive currents and on transformer and shunt reactor saturation characteristics 4—62129
Colombo, E. *see* Stokes, A.D. 4—62652
Colombo, L., Syllaios, A.J. Diffusion limited dark current in n-type (Hg,Cd)Te MIS devices 4—36638
Colony, G. The united state of workstation telephones 4—32506
Colquhoun, R. Development of symptoms-oriented operating procedures 4—62274
Colson, W.B. Chaotic optical modes in free-electron lasers 4—47386
Colston, E.L., Dahmus, A.B., Beames, B.G. Operating experience with offpeak brick furnaces, pressurized water systems, and eutectic salt systems 4—49544
Colter, P.C. *see* Kapitan, L.W. 4—50769
Coltrin, M.E., Kee, R.J., Miller, J.A. A mathematical model of the coupled fluid mechanics and chemical kinetics in a chemical vapor deposition reactor 4—29529
Coluzza, C. *see* D'Amico, A. 4—33229
Coluzza, C. *see* Fortunato, G. 4—36338
Colven, D., Cleverley, I. Programmable stage lighting 4—35041
Colven, D., Cleverley, I. Programmable stage lighting. II 4—35042
Colven, D., Cleverley, I. Stage lighting. III 4—35043
Colven, D., Cleverley, I. Stage lighting. IV 4—40591
Colver, G.M. *see* Donahoe, T.S. 4—47544
Comas, J. *see* Griffin, J.A. 4—51943
Comas, J. *see* Kirchoefer, S.W. 4—41861
Combes, J., Wiesner, P. Distributed time division switching network diagnostic method 4—54586
Combs, J. Voice-data PBX debuts 4—32550
Combs, L.P. *see* Kahn, D.R. 4—35090
Combs, R. A review of circuit analysis texts 4—50877
Comeau, M.A., Thulasiraman, K. Algorithms on marked directed graphs 4—40942
Comerchero, H., Fischer, P., Salant, E., Leising, T., Andrews, L., Bock, C., Robinson, K. An automated system for on-line analysis, storage, recall and editing of arrhythmia activity 4—49226
Comerford, L.D. Component for optimization of cooling air flow [in circuit card structures] 4—41716
Comerford, L.D. *see* Brady, M.J. 4—52978
Comerford, M.F. *see* Swift, D.R. 4—46722
Comerford, R. Board testers gain analog precision, digital speed, self-test capabilities 4—36138
Comerford, R. 2400-bps modems use QAM encoding for compatibility with 1200-baud units 4—38362
Comeron, A., Jimenez, J.J., Bolomey, J.-C. On the improvement of the electromagnetic coupling between infrared point-contact detectors and laser beams 4—53274
Cometta, E. Electrical contractors and domestic installations 4—50432
Cometta, E., Re, V. Magnetohydrodynamic power stations 4—34529
Comfort, N.C. The design of a wirewound reference voltage divider for voltages up to 1 MV 4—33403
Comin, J.Martin *see* Martin Comin, J.
Cominetti, M., Stroppiana, M. Teletext reception in collective television antenna systems 4—48569
Commandre, M. *see* Derrien, J. 4—30555
Commenges, D. The deconvolution problem: fast algorithms including the preconditioned conjugate-gradient to compute a MAP estimator 4—37926
Commenges, D., Monison, M. Fast inversion of triangular Toeplitz matrices 4—35351
Commins, K.G. *see* Murphy, E.J. 4—33983
Commisso, R.J. *see* Neri, J.M. 4—34801
Como, A. The mobile service and the ISDN 4—60344
Como, A., Westin, T. ISDN field trial in Italy 4—43902
Comparato, J.R. Great lakes afbc demonstration plant—equipment shakedown and initial testing 4—34375
Compere, M. *see* Thiry, J.M. 4—49863
Compere, M. *see* Van Hulse, J. 4—34634
Compter, J.C. Microprocessor-controlled reluctance motor 4—40233
Compton, J. The organisation of the liberalisation programme [telecommunications] 4—43536
Compton, R.C., Macfarlane, J.C., Whitbourn, L.B., Blanco, M.M., McPhedran, R.C. Design, manufacture and transmission measurements of strip gratings for use as sub-millimeter laser couplers 4—37147
Compton, R.T., Jr. On eigenvalues, SINR, and element patterns in adaptive arrays 4—53309
Comstock, D.R., Gibson, J.D. Hamming coding of DCT-compressed images over noisy channels 4—53901
Comstock, J.M. *see* Patch, L. 4—42814
Comstock, W.R. *see* Babu, S.R. 4—52080
Conan, A., Bonnet, A., Zoaeter, M., Ramoul, D. Dependence of the total mobility in a one-band model. Application to n-type $MoTe_2$ 4—51806
Concannon, A. Liquid resistor and solid state starters 4—34809
Concannon, A. Discharge lamps cover all lighting applications 4—35027
Concannon, A. Many uses for 'old and worn out' relays [electromechanical relays] 4—36110
Concannon, A. Superconducting cables—the cables of the 90s 4—39883
Concannon, A. The new semiconductors really switch the watts 4—42032
Concannon, A. New wave of 'smarter' instruments on the way 4—61181
Concannon, M.P. *see* Erdelyi, C.K. 4—51298
Concaugh, J.M. *see* d'Orville, H. 4—38508
Concilio, A.Di *see* Di Concilio, A.
Conder, K. *see* Przyluski, J. 4—31042
Condom, P. Optronics for PAH-2/HAC/HAP: strangers in the sight 4—33933
Condom, P. Ceramic technology. What price the pottery powerplant? 4—56249
Condon, J.J. *see* Busby, K.O. 4—36208
Condron, M.R., Jove, S.A. Adjacent data track interleaving 4—42258
Conere, T.J., Boag, J.W. The collection efficiency of an ionization chamber in a pulsed and magnetically swept electron beam: limits of validity of the two-voltage technique [radiotherapy dosimetry] 4—61839
Coneski, A.F., Davies, P.J., Mueller, W.F., Timmons, R.H., Zykoff, F.B. Punch programming mechanism 4—40843
Coneski, A.F., Davies, P.J., Zykoff, F.B. Automated punch apparatus support mechanism 4—30229
Conetti, S. *see* Rameika, R. 4—33678
Conetti, S. *see* Ushida, N. 4—56030
Conetti, S. *see* Wagoner, D.E. 4—33676
Conforti, G. *see* Scheggi, A.M. 4—56097
Conforti, M., Cornuejols, G. Submodular set functions, matroids and the greedy algorithm: tight worst-case bounds and some generalizations of the Rado-Edmonds theorem 4—46130
Cong Can Ly *see* Ly Cong Can
Congrong Chen *see* Chen Congrong
Conigliari, M.F. *see* Conigliari, P.R. 4—55722
Conigliari, P.R., Conigliari, M.F. Estimating electronic box surface temperature is BASIC 4—55722
Conjeaud, A.L. *see* Gouskov, L. 4—36319
Conley, J.M. *see* Iwanczyk, J.S. 4—51727
Conley, W. An electrical resistance switching network with fixed resistors [optimisation] 4—30125
Conn, D. *see* Streibl, I. 4—52395
Conn, J.K. *see* Varley, R.F. 4—37741, 4—48429
Connar, R.G. *see* Kovacs, S.G. 4—44782
Connell, E.B. The new standard spacecraft time-code 4—48463
Connell, G.A.N. *see* Mansuripur, M. 4—36992, 4—47309
Connell, W., Smiroldo, C., Jr. Upgraded corrective action program meets goals [nuclear power stations] 4—45235
Connelly, T. Taft Broadcasting Company findings from the Cincinnati teletext experiment 4—48136
Conner, W.A., Girvin, R.J., McClellan, W.R. Frequency control accomplished in single-sideband system 4—43939
Conner, W.D., Harper, J.R. Effective maintenance training development with applications at North Anna power station 4—57796
Connolly, J.C. *see* Botez, D. 4—47453
Connolly, J.C. *see* Carlin, D.B. 4—53012
Connor, G. *see* Chou, E. 4—36097
Connor, M. *see* Ozkaynak, H. 4—34256
Connors, D.P., Jarc, D.A., Daugherty, R.H. Considerations in applying induction motors with solid state adjustable frequency controllers 4—34971
Connors, D.P., Jarc, D.A., Daugherty, R.H. Considerations in applying induction motors with solid state adjustable frequency controllers 4—57036
Connors, D.P. *see* Wennerstrom, C.H. 4—62545
Connors, M.K. *see* Turner, G.W. 4—50056
Conrad, A.E. Toss your keyboards and just tell your computer what to do 4—32393
Conrad, A.E. Giving phone systems a voice 4—38343
Conrad, D. Making a computer listen 4—47787
Conrad, G.M., Butterworth, J.C. Extended interaction oscillator/amplifier modulator technology 4—36071
Conrad, H., Guldner, H., Prischmann, W. Microelectronics in the power-electronics 4—41184
Conroy, G., James, R.G. Call Charge Analysis System 4—48011
Conroy, J.J., Goodrich, D.W. Single-component thixotropic epoxy resin system for wet winding applications 4—36957
Conroy, L. *see* Singh, I.B. 4—32154
Considine, B.C., Wandrei, D.L. X-band receive module using monolithic GaAs MMICs 4—30107
Considine, V. *see* Bagwell, D.J. 4—37685
Consoli, A., Abela, A. Analysis of a CSI induction motor model with operating conditions dependent parameters 4—57421
Consoli, A., Fortuna, L., Gallo, A. A microcomputer system for estimating the parameters of an induction motor model 4—57027
Consoli, A. *see* Lipo, T.A. 4—34660
Constandinou, T.E., Edwards, D.R. Observation and analysis of modes of erosion in metallised film capacitors 4—58571
Constant, E. *see* Chu Hao 4—30442
Constant, M. *see* Vilcot, J.P. 4—33306
Constant, P. Identification of optimal strategies for building retrofit with unknown future energy costs 4—35226
Constantin, B. *see* Goras, L. 4—33833
Constantin, R. Multichannel sound in televisions 4—61027
Constantinescu, F. Realizability conditions for nonlinear concave characteristics 4—46310
Constantinescu, L. *see* Tomescu, F.M.G. 4—35350
Constantinides, A.G. *see* Curtis, T.E. 4—60071
Constantinides, A.G. *see* Mitrakos, D.K. 4—32074
Constantinides, A.G. *see* Siu, W.-C. 4—58466
Constantinides, A.G. *see* Wan-Chi Siu 4—43346
Constantinides, A.G. *see* Wu, Y.S. 4—37929
Constantino, A.J. *see* Aliotta, C.F. 4—40845
Constantinou, P., Wight, J.S. Spectral measurements of FM-TV signals 4—32911
Conta, C., Fraternali, M., Fumagalli, G., Gildemeister, O., Goggi, V.G., Hansen, J.D., Hansen, P., Impellizzeri, F., Iuvino, G., Kofoed-Hansen, O., Livan, M., Madsen, B., Mantovani, G.C., Mapelli, L., Mollerud, R., Pastore, F., Rimoldi, A., Rossini, B., Vicini, A. The system of forward-backward drift chambers in the UA2 detector 4—56031
Contaxis, G.C., Vournas, C., Papadidas, B.C. Fast maintenance scheduling for levelized risk 4—34128
Contaxis, G.C. *see* Hatziargyriou, N.D. 4—34087
Conte, J.A. *see* Brandau, B.L. 4—56335
Contelec, M.Le *see* Le Contelec, M.

Conticello, C. A breakthrough in mobile HF communication: a new generation of high power automatic antenna couplers 4—38490
Conticello, C., Corvino, V. High-power systems for radio communications in the HF range 4—38436
Conticello, C., Gentili, V. A new generation of high-power automatic antenna couplers for HF communications 4—37785
Conway, A. The flywheel generators of JET 4—56915
Conway, A. Wind of change in the US [wind power plants] 4—62476
Conway, E.J. *see* DeYoung, R.J. 4—39663
Conway, J. *see* Cudd, P.A. 4—39609
Conway, J.H., Sloane, N.J.A. A fast encoding method applicable to Gaussian channel codes and vector quantizers 4—37878
Conwell, E.M. Statistical mechanics for solitons in the presence of electrons and their contribution to photovoltage in polyacetylene Schottky barrier diodes 4—42463
Cook, A. Scalectrix motor control 4—49916
Cook, A.F. Sonar scene matching in the abandoned limestone mineworkings of the West Midlands 4—33972
Cook, A.S. *see* Downs, T. 4—50900
Cook, B.E. Instrumentation and plant integrity 4—35236
Cook, B.J. *see* Cantoni, A. 4—60521
Cook, D.C., Haydon, S.C. Laboratory investigations of RF plasmas relevant to CW arc pluming at high-power aerials. II. Relevance of scale-model studies based on pulsed RF techniques 4—37768
Cook, D.C. *see* Plumb, I.C. 4—37767
Cook, G.E. Navstar (world-wide position determination system) for aerial and maritime navigation principles and current situation 4—32872
Cook, G.E. Modeling of electric welding arcs for adaptive feedback control 4—57641
Cook, G.E. *see* Eassa, H.E. 4—57642
Cook, J.G. On NiO and CoO solar thermal absorbers 4—50111
Cook, J.M., Hannon, J.J. Gaseous cleaning beneath surface mounted components: evaluation using a beam lead test chip 4—58636
Cook, J.M. *see* Hannon, J.J. 4—46913
Cook, J.W., Jr. *see* Rudder, R.A. 4—46240
Cook, K.R. *see* Eisenstein, B.A. 4—35201
Cook, L.W. *see* Stillman, G.E. 4—30343
Cook, M.C., Gilbert, B.F. Coal slurry fuels: an assessment by a US public utility 4—62339
Cook, M.K. *see* Jones, R.A. 4—60266
Cook, P., Bowman, B. The design considerations for a secure gateway switch to support network survivability and multiple network interconnection 4—32220
Cook, P.A., Hallman, B.L., Presley, D.R., Raider, J.W. Stepper motor control language 4—40278
Cook, P.H. *see* Floyd, K.D. 4—45360
Cook, P.L. New approaches to the integration of hydro-acoustic positioning with SatNav 4—38752
Cook, P.L. *see* Graff, J. 4—39735
Cook, R. *see* Walsh, J. 4—37252
Cook, V. *see* Brown, J.S. 4—39487
Cook, W.B., Perkowitz, S. Temperature dependence of ordinary ray far infrared optical constants of sapphire 4—39342
Cook, W.M. *see* Price, R.H. 4—39066
Cook, W.R., Finger, M., Prince, T.A., Stone, E.C. Gamma-ray imaging with a rotating hexagonal uniformly redundant array 4—33780
Cooke, B.E., Evans, A.C., Fanthome, E.O., Alarie, R., Sendyk, A.M. Performance figures and images from the THERASCAN 3128 positron emission tomograph 4—33817
Cooke, C.M., Liyu, Z. Discharge inception by particles near insulator surfaces: The proximity effect 4—30825
Cooke, D.J., Ward, A.A. Reflection-hologram processing for high efficiency in silver-halide emulsions 4—31501
Cooke, G.H. *see* Binns, D.F. 4—59072
Cooke, P. Electronics design demands a new approach 4—40826
Cooke, R. Intercity limits: looking ahead to all-digital networks and no bottlenecks 4—32171
Cooke, S., Durrani, T.S. A two-dimensional adaptive image deblurring filter 4—60258
Cookson, A.H. High voltage and dielectrics—the roles of universities and industry 4—45883
Cookson, E. Messaging phones are productivity boosters 4—48305
Cool, T.A. *see* Erlandson, A.C. 4—59437
Cooley, D.A. *see* Gillette, P.C. 4—44785
Cooley, W.L. *see* Collins, E.W. 4—50455
Cooling, J.E., Perriam, R.H. Experimental raster scan colour display for aircraft flight data systems 4—33936
Coombs, G.P. Comparison between ternary and binary transmission for monomode systems 4—54762
Coombs, M.W. *see* Driver, M.J. 4—50413
Coon, D.D., Gunapala, S., Karunasiri, R.P.G., Meuhlhoff, H.-M. An integrating IR detector 4—61373
Coon, D.D., Gunapala, S., Karunasiri, R.P.G., Muehlhoff, H.-M., Derkits, G. Readout electronics for a new mode of infrared detection 4—55462
Coon, D.D., Gunapala, S.D., Karunasiri, R.P.G., Muehlhoff, H.-M. IR detection by depletion of trapped charge in localized impurity states of an extrinsic semiconductor 4—48903
Coon, D.D., Gunapala, S.D., Karunasiri, R.P.G., Muehloff, H.-M. IR detection by depletion of trapped charge 4—39187
Coon, R.L. *see* Williams, J.C. 4—54819
Coonce, H.E., Marco, G.E. Enhancement of building attenuation using conductive paint 4—59805
Cooper, A. Long-range planning for subscriber network 4—54120
Cooper, A.R., Brignell, J.E. A magnetic field transducer with frequency-modulated output 4—48871
Cooper, B.J., Law, H. A review of control system options for WECS 4—34549
Cooper, D.E. *see* Doughty, K. 4—59091
Cooper, D.M. *see* Ainslie, B.J. 4—37111, 4—59197
Cooper, D.M. *see* Rush, J.D. 4—52682, 4—59226
Cooper, E.H. *see* Gorakhpurwalla, H.D. 4—61477
Cooper, E.S. Dynamic coarse track positioning 4—42256
Cooper, E.S. Precision integrated circuit current mirror 4—50947
Cooper, G.R. *see* Chapman, W.W. 4—32654, 4—43999
Cooper, G.R. *see* McGree, T.P. 4—43322
Cooper, J.A., Dewhurst, R.J., Moody, S., Palmer, S.B. High-voltage spark discharge source as an ultrasonic generator 4—49481
Cooper, J.C., Panayappan, R., Steele, R.C. Chemically suppressing rusty-bolt intermodulation interference 4—59803
Cooper, M. Billing cellular roamers [radiotelephony] 4—38181
Cooper, M., Wachter-Lauppe, I. On risks involved in installing an office communication system 4—60312
Cooper, M. *see* Bolton, R. 4—55816
Cooper, N.J.P. *see* Atkins, J.W. 4—38302
Cooper, R.K. Beam-breakup calculations for the Los Alamos free-electron laser (FEL) linac 4—49066
Cooper, T.D. Microwave plasma decomposition of hazardous materials 4—40610
Cooper, W.A. *see* Bringi, V.N. 4—49465
Cooper, W.S. Considerations involved in the design of negative-ion-based neutral beam systems 4—61615
Cooper, W.S. *see* Matuk, C.A. 4—61667
Cooper-Reade, M. *see* Alexander, I. 4—57567
Cope, D., Mongeau, P. Metal vapor vacuum arc switching: applications and results 4—42804
Cope, R.P. *see* Grund, E.C. 4—32428
Copeland, D. *see* Vanek, V. 4—61613
Copeland, M.A. *see* Furrer, B. 4—41465
Coperchini, C., Fises, A. Qualification procedure applied to motors driving auxiliaries in fossil fired and nuclear power plants 4—56991
Copoloff, S., Wright, P. Telecommunications at the Olympics 4—47946
Coppa, G., Costa, B., Di Vita, P., Rossi, U. Characterization techniques for monomode fibres and cables 4—59192
Coppa, G., Di Vita, P. Polarization measurement of cut-off wavelength in monomode fibres 4—31099
Coppa, G., di Vita, P. Cut-off condition of the fundamental mode in monomode fibres 4—37119
Coppa, G., Di Vita, P. Cut-off condition of the fundamental mode in monomode fibres 4—59193
Coppa, G., Di Vita, P., Potenza, M. Scattering in optical fibres: analysis of mode degeneration 4—42332
Coppa, G., Di Vita, R., Rossi, U. An accurate technique for spot-size evaluation in monomode fibres 4—31100
Coppadoro, F. A change in generation [electric power generator] 4—40153
Coppadoro, F. Fault current limiting reactors for three-winding transformers 4—40297
Coppadoro, F. Transformers as elements in a power system. Power station transformers 4—45491
Coppadoro, F. Electric power transmission and distribution 4—49570
Coppadoro, F. High-voltage DC transmission 4—56565
Coppadoro, F. Some construction aspects of power station transformers 4—57136
Coppadoro, F. Assuring reliability: proof testing on transformers 4—57137
Coppadoro, F. High-voltage DC transmission [transformer windings] 4—62154
Coppard, R. *see* Rosencher, E. 4—30455, 4—41912
Coppelmans, P.M.C. *see* van Roermund, A.H.M. 4—38812
Copper, J.F., Kraftick, K.A., McKinley, B.J. Current status of the development of the refuelable aluminum-air battery 4—40416
Copperi, M., Sereno, D. 9.6 kbit/s piecewise LPC coder using multiple-stage vector quantization 4—43833
Copperi, M., Sereno, D. 9.6 kbit/s piecewise LPC residual excited coder using multiple-stage vector quantization 4—53521
Coppersmith, D., Gopal, I.S., Wong, C.K. Improved local wiring of movable terminals in VLSI chips 4—52201
Coppersmith, D., Seroussi, G. On the minimum distance of some quadratic residue codes 4—43112
Coppieters, L., Van Campenhout, J., Triffaux, J., Van Audenhove, J. Development of a piezoelectric pulsed drop jet device for the preparation of nuclear targets 4—52350
Coppini, G., Valli, G., Camici, P., L'Abbate, A., Bellazzini, R., Massai, M.M., Spandre, G. Digital autoradiography: film and electronic multitracer techniques for heart imaging 4—44718
Coppola, A. *see* Keiner, W.L. 4—45963
Coppolecchia, V.D. *see* Wann-Joe Sun 4—49768
Coquillat, D., Pradel, A., Brun, G., Tedenac, J.C. Growth and physical properties of $TlBiTe_2$ crystals 4—30390
Coquillat, D. *see* Tedenac, J.C. 4—36307
Corak, D., Jelavic, V., Muzek, Z. Mathematical model for optimization of power supply in urban areas 4—44985
Corazon, H.S. *see* Antuenz, F. 4—49254
Corazza, G., Vatalaro, F. Further development of the DPS technique for precision DME 4—38707
Corazza, G. *see* Andrisano, O. 4—31826
Corbato, S. *see* Brown, K. 4—55814
Corbellini, F. The process of re-adapting the ENEL electrical generation system and the advantages offered by European interconnection 4—44943
Corbet, R.H.D. *see* Mason, I.M. 4—33783
Corbett, I. *see* Chase, R.L. 4—39426
Corbett, R.E. Considerations in the selection of DC vs. AC power systems for high power space applications 4—34773
Corbin, J.C. Aircraft electromagnetic threat protection 4—59816
Corbin, J.C., Webb, W.C. A new approach to applying electromagnetic transient protection requirements to avionic and electronic equipment 4—37656
Corbin, M.A. *see* Leonard, T.W. 4—38658
Corboy, J. *see* Jastrzebski, L. 4—30792
Corboy, J.F. *see* McGinn, J.T. 4—29484
Corbyn, T.E. VT80: ITN's advanced graphics generator 4—38787
Corciovei, A., Segal, A. Lattice thermal conductivity of some cylinder semiconductors 4—41841
Corcoran, F.L. *see* Suyderhoud, H. 4—60750
Corcoran, G.T. *see* Avanessians, A.A. 4—54499
Corcoran, J.J., Knudsen, K.L., Hiller, D.R., Clark, P.W. A 400 MHz 6b ADC 4—51342
Corcuff, Y. *see* Tixier, M. 4—53207
Cordan, E.W. *see* Blemberg, W.R. 4—58989
Cordaro, W., Hengst, R.J., Mao, R.S., Smith, R.L. Hi-Z Data In Buffer 4—51220
Cordaro, W., Jones, F.D., Mao, R.S. Sense latch triggering circuit 4—46429
Cordaro, W. *see* Cheung, S.K. 4—46431, 4—50954
Corder, O.M., Jr. *see* Amadori, R.A. 4—37646
Cordero-Iannarella, R.F., Yao, S.K., Thaniyavarn, S., Findakly, T., Hayward, G., Chen, B. Integrated optical voltage probe 4—61328
Cordes, W.F., III *see* Leonard, R.F. 4—36387
Cordo, P.J. Controlling multiple degree-of-freedom powered prostheses 4—49308
Cordy, R.N. Naval ocean facilities research and development—an historical perspective and current status 4—61960
Corell, R.W., Blidberg, D.R., Westneat, A.S. An assessment of robotic systems technology for research in the ocean sciences 4—61945
Corell, R.W. *see* Blidberg, D.R. 4—61952
Corelli, J.C. *see* Liu, W.-T. 4—41924
Corgnier, L. *see* Chiariglione, L. 4—32987, 4—32996, 4—61098
Cori, R., Maffezzoni, C. Practical-optimal control of a drum boiler power plant 4—34370
Coriat, A. Image processing comes down to earth 4—40877
Corinthios, M.J. Architecture of signal processors 4—37918
Corinthios, M.J. *see* Barbeau, L.C. 4—53449
Corinthios, M.J. *see* Fortier, M. 4—37917
Cork, C.P. *see* Walton, J.T. 4—33708
Corke, M., Kersey, A.D., Jones, J.D.C., Jackson, D.A. High-resolution fiber-optic thermometer 4—52660
Corke, M. *see* Jones, J.D.C. 4—31508
Corke, M. *see* Kersey, A.D. 4—47251
Corke, M. *see* Leilabady, P.A. 4—55392
Corkidi, G. *see* Flores, R. 4—55900
Corlett, M.S.G. Office controllers in the information network. Local area networks and office automation panel 4—60544
Corley, H.W., Golnabi, H. Minimax trees, paths, and cut sets 4—57927

Cormier, J.E. *see* Armington, A.F. 4—29470
Corneil, D.G., Perl, Y. Clustering and domination in perfect graphs 4—57917
Cornelis, J. *see* Block, P. 4—49241
Cornelius, W. *see* Mori, Y. 4—61663
Corner, G.W. *see* Call, M.G. 4—35698
Corner, W.D. *see* Chaudhri, M.A. 4—33258
Cornet, J.A. Deformation recording process in polymer-metal bilayers and its use for optical storage 4—42321
Cornett, F. Kalman estimation of frequency-domain interference reduction coefficients for angle-modulated signals 4—53713
Cornick, G.G. *see* Sobottka, S.E. 4—33668
Cornick, K.J., Abdul-Hussain, M.A. Charge storage on insulation surfaces in air under impulse voltage conditions 4—59089
Cornick, K.J., Abdul-Hussain, M.A. Factors influencing the impulse voltage breakdown performance of barrier insulation in air 4—59090
Cornuejols, G. *see* Conforti, M. 4—46130
Cornwall, J. *see* Thong Nguyen, D. 4—56182
Cornwell, A. The Nordic Mobile Telephone System sets the stage for future mobile systems 4—60709
Cornwell, D.L. Where PBX and LAN are headed in the '80s 4—54549
Cornwell, J.H., Marshik, D.D. Photo-optic intensity differential analyzer with digital display 4—55678
Corona, P., Paolini, E. Magnification factor for mode stirred chambers 4—37661
Corp, D.O. *see* Miller, J.F. 4—40414
Corr, D.G. SAR processing for ERS-1 4—43479
Corradi, A.R., Andress, S.J., French, J.E., Bottoni, G., Candolfo, D., Cecchetti, A., Masoli, F. Magnetic properties of new (NP) hydrothermal particles 4—30991
Corradi, A.R. *see* Bagatta, U. 4—30988
Corre, A. *see* Beer, A. 4—61682
Corsi, C. Computerized radiometric systems for diagnostic applications 4—33829
Corsi, F. *see* Cafaro, G. 4—34080
Corsini, G., Dalle Mese, E., Marchetti, G., Verrazzani, L. Comments on 'On a direct method of analysis and synthesis of the SPRT' 4—47707
Cortes, A. Automatic validation and directed learning in a system for automatic detection of cardiac arrhythmia 4—49249
Cortes Diaz, J.M., Rodriguez, J.M. A comparative study of natural and artificially accelerated ageing in the testing of personal protection equipment. I 4—29212
Cortez, B.G. *see* Jones, T.W. 4—55811
Cortez, J., Laprade, B. Long life microchannel plate (L^2 MCP) 4—58704
Cortez, J. *see* Laprade, B. 4—58703
Cortina, A., Moris, C., Simarro, E., Lambert, J.L., Torre, F. Computerized measures of the ventricular performance 4—49135
Cortina, A. *see* Simarro, E. 4—49275
Corvino, A. Design criteria for electrical energy distribution in a civil complex available to the public 4—45082
Corvino, V. *see* Conticello, C. 4—38436
Corwin, W.L. A communications network for the summer Olympics 4—60862
Cory, B.J. *see* Ekwue, A.O. 4—56509
Cory, B.J. *see* Winokur, M. 4—34084, 4—56457
Cory, S.A. The nature of linear induction motors 4—62530
Cosentino, R.J., Meehan, S.J. An efficient technique for sample-masked voice transmission 4—54031
Cosentino, S. *see* Mauntel, R. 4—35814
Cosin, J. *see* Martin, G. 4—49136, 4—49262
Cosmai, U. *see* Benetti, R. 4—43564
Cosmo, V.De *see* De Cosmo, V.
Cossement, D. *see* Berote, G. 4—62695
Costa, B., Puleo, M., Vezzoni, E. Phase-shift technique for the measurement of chromatic dispersion in single mode optical fibres using LEDs 4—42331
Costa, B., Tosco, F. Communications through optical fibres 4—38610
Costa, B. *see* Coppa, G. 4—59192
Costa, B. *see* Heitmann, W. 4—47273
Costa, J.M., Venetsanopoulos, A.N. Tomographic filters 4—33828
Costa, J.M.G.Sa da *see* Sa da Costa, J.M.G.
Costa, M.F., Harrington, R.F. Minimization of radiation from computer systems 4—31705
Costa, M.H.M. A new entropy power inequality 4—47711
Costa, M.H.M., Cover, T.M. On the similarity of the entropy power inequality and the Brunn Minkowski inequality 4—43051
Costa, M.H.M., El Gamal, A.A. The capacity region of the discrete memoryless interference channel with strong interference 4—47712
Costa, S. *see* Bressani, T. 4—33695, 4—39427
Costagli, L., Vaglio, L. Design approach for high capacity digital transmission systems for telephone networks—565 Mbit/s digital transmission system on coaxial cable 4—60567
Costain, C.C., Daams, H., Boulanger, J., Douglas, R.J. Time dissemination from the National Research Council of Canada 4—39333
Costales, B. *see* Drake, J.M. 4—49255
Costales, B. *see* Harbour, M.G. 4—50904
Costamagna, E. Application of spectrum extrapolation techniques to very low resolution image processing 4—32003
Costanzo, D.J. Video disc technology for mapping 4—44274
Costello, D. *see* El-wailly, F. 4—43957
Costello, D. *see* Lin, S. 4—31889
Costet, J.-R. Automatic voice recognition in fighter planes 4—56241
Costin, J.H.W. A new chip carrier lid sealing system 4—50538
Costlow, T. Focus on IC sockets: following package density 4—36145
Costlow, T. Focus on portable scopes 4—61415
Costogue, E. *see* Ferber, R. 4—34876
Coston, W.T. *see* Ito, A. 4—36786
Cot, N. Cryptography and privacy of phone bills 4—43655
Cote, A., Pouliot, J., Labrie, R., Rou, R., Bertrand, R. Automatic beam centering system for an accelerator 4—33586
Cote, G., Laughton, M.A. Large-scale mixed integer programming: Benders-type heuristics 4—40971
Cote, M.P. The Echo II speech synthesizer 4—60015
Cote, R. Progress in thick film materials and processes 4—58639
Cote, R.E Thick film materials technology marches forward [hybrid microcircuits] 4—30227
Cote, R.E., Pierce, J.W. Controlling the TCR of thick film resistors 4—58558
Cote, R.E. *see* Pattuelli, E.G. 4—36162
Coteus, P., Cumulat, J., Binkley, M., Kephart, K., Lindenmeyer, C., Peoples, J., Erdos, E. A highly compact multiwire proportional chamber system with 80 μm resolution 4—55824
Cottart, J.-J. *see* Bayard, C. 4—56629
Cotter, D. *see* Hill, A.M. 4—32796
Cotter, S.M., Bowman, C.C., Batchelor, B.G. Vision sensing aids automated inspection 4—57851
Cottingham, P.D. Simple digital frequency discriminator 4—35893
Cotto, G. *see* Carpentier, J.L. 4—39833
Cotton, K.C., Shafer, H.S., McCloskey, T.H., Boettcher, R. Demonstration and verification of the alternative ASME steam turbine-generator acceptance test 4—49752
Cotton, R. *see* Bodson, D. 4—44299
Cottrill, J.E. *see* Weedy, B.M. 4—42198
Couch, L.W., Shaffer, C.V. Development of a computer communications course plus laboratory 4—57735
Couden, D.V. *see* Balliet, L. 4—44119
Couderc, D. Compatibility of tracer gases with oil/paper cable insulation 4—36956
Couderc, D., Crine, J.P., Umemura, T. Study of the morphology and electrical properties of new and thermally aged biaxially oriented polypropylene films 4—58570
Coufal, H., Ligocki, J.E., Tam, A.C., Wettstein, D.A. Device and method for quick and accurate determination of local elastic properties in solids 4—31541
Coughlin, R.J. Optimization on sparse in a maintenance scenario 4—45942
Coughran, C.S. *see* Powell, J.D. 4—56317
Couillaud, B., Ducasse, A., Freysz, E. Injection locking of CW ring dye lasers 4—37335
Couillaud, B., Hansch, T.W., MacLean, S.G. High power CW sum-frequency generation near 243 nm using two intersecting enhancement cavities 4—42705
Coulibaly, S.P., De Chelle, F., Berger, J.M., Ferraton, J.P., Donnadieu, A., Margarino, J., Kaplan, D. Boron doping and post-hydrogenation effects on optical gaps and Urbach tails of amorphous hydrogenated silicon films prepared by chemical vapour deposition 4—51802
Coulmance, J.-P., Van Loon, J.-C.F. Non-linear resistors for protection of telephone equipment 4—48327
Coulomb, J.L. A methodology for the determination of global electromechanical quantities for a finite element analysis and its application to the evaluation of magnetic forces, torques and stiffness 4—31610
Coulomb, J.L. *see* Bigeon, J. 4—31615
Coulomb, J.L. *see* Du Terrail, Y. 4—62497
Coulomb, J.L. *see* Meunier, G. 4—34795
Coulon, J.P. *see* Bombarda, F. 4—55827
Coulon, R., Jammet, H. Developments in health physics 4—39622
Coultre, P.Le *see* Le Coultre, P.
Counji, T., Kawatsu, T., Kasai, Y., Takeuchi, T., Tomikawa, Y., Konno, M. Timing tank mechanical filter for digital subscriber transmission system 4—30909
Count, B. *see* Berry, P. 4—34492
Count, B.M., Evans, D.V. The harbour concept in wave energy 4—34488
Countryman, P.J. *see* Van Bibber, K. 4—33672
Coupe, S. Testing outside telephone cables 4—48370
Cour, J.-M. Microelectronics for data processing professionals. IV 4—51064
Courault, J., Dayan, R. Variable speed drives with synchronous motors 4—34987
Courcobetis, C., Varaiya, P. The serving process with least thinking time maximizes resource utilization 4—46087
Courjon, D. Tunable spectral filtering of a spatially incoherent source using an acousto-optic deflector 4—31203
Courjon, D., Bulabois, J., Mered, C. Spatial frequency pseudocolor encoding using coarse gratings 4—43400
Coursant, R.H. *see* Guyomer, G. 4—56364
Coursant, R.H. *see* Naillon, M. 4—56111
Court, R.A., Tirtaatmadja, E., Harsant, D.M. The new microelectronics revolution 4—47102
Courtain, A. *see* Dei-Cas, R. 4—33762
Courte, E.V., Tran, R.T. Net 1000 service—a customer-programmable service 4—32449
Courtea, B., Wolfmann, J. Triple-sum-sets and 'large' coset leaders of the first order Reed-Muller codes 4—43178
Courtel, D. Theoretical aspects of the CCITT no.7 signalling system 4—43498
Courtois, M. The Spot Spacecraft: control operations and flight software development and tests organisation 4—44887
Courville, G.E. *see* Childs, K.W. 4—55745
Courvoisier, M. *see* Seck, J.P. 4—51384
Cousens, D. *see* Kurtz, J. 4—58661
Cousin, B. *see* Boutemy, J.C. 4—54844
Cousins, T.E., Kobler, H. A 30 MHz standard attenuator 4—36015
Coutrakon, G.B. Current state of ring imaging Cherenkov detectors 4—33670
Coutts, G.W. *see* Jones, R.M. 4—61747
Coutts, T.J., Pearsall, N.M., Tarricone, L. The influence of input power on the performance of RF sputtered ITO/InP solar cells 4—57347
Couturier, C. *see* Galand, C. 4—53562
Couturier, C. *see* Zetterberg, L.H. 4—47901
Covarrubias, A.J., Heinrich, P., Molina, P.E. The WASP-III computer program for optimal electric generation expansion planning 4—45036
Cover, R.A., Bhowmik, A. FEL amplifier performance in the Compton regime 4—47381
Cover, R.A. *see* Bhowmik, A. 4—47380
Cover, T. *see* Algoet, P. 4—43050
Cover, T. *see* Bruckstein, A. 4—38094
Cover, T. *see* Gluss, D. 4—43049
Cover, T.M. An algorithm for maximizing expected log investment return 4—43013
Cover, T.M. *see* Choi, B.S. 4—43071
Cover, T.M. *see* Costa, M.H.M. 4—43051
Covill, I.D. *see* Whaley, H. 4—62340
Cowache, P. *see* Vedel, J. 4—40449
Cowan, C.F.N., Adams, P.F. Nonlinear system modelling: Concept and application 4—53359
Cowan, C.F.N. *see* Rutter, M.J. 4—51478
Cowan, D. Chipping in for Silicon Glen 4—36656
Cowan, D. Integrity of serial data highway systems 4—60533
Cowan, J.J. The laser button: a novel approach to the large scale replication of holograms 4—37478
Cowan, J.J. The Newport Button: the large scale replication of combined three-and two-dimensional holographic images 4—59637
Cowan, K.S., Savant, C.A., Weissman, C. A solution to the local area network security dilemma—a graduated approach 4—32454
Cowan, M. *see* Burgess, T.J. 4—42783
Cowan, P.L. Photon energy analysis by reflectivity modulation 4—56042
Cowdell, R.B. Simple equations compute radiated emissions 4—37522
Cowdell, R.B. An analysis of MIL-STD-462 application note: identification of broadband and narrowband emissions 4—37624
Cowern, E. Design idea: use RMS horsepower to size electric motors 4—40190
Cowie, B. Editing on the Model 64 [for music sequencer] 4—48635
Cowing, M.D., Fussell, J.W. 16 kbps APC with hybrid quantization 4—53554
Cowling, C.F. *see* Burnham, N.Q. 4—38393
Cox, A.F.J. *see* Appleby, R. 4—55252
Cox, A.J., Scott, G.W. Piezoelectrically tuned short-cavity dye-laser design 4—37333
Cox, A.J. *see* Scott, G.W. 4—31345
Cox, B. *see* Kononenko, W. 4—33692
Cox, B. *see* Rameika, R. 4—33678
Cox, B. *see* Theodosiou, G.E. 4—33677
Cox, B. *see* Wagoner, D.E. 4—33676
Cox, B.V. Data compression for communications engineers 4—47820
Cox, C.E., Kandiah, K. High precision measurement of transistor noise at low frequency 4—33456
Cox, C.E., Kandiah, K. High precision measurement of transistor noise with automatic calibration under computer control 4—39306
Cox, C.H., III, Diadiuk, V., Yao, I., Leonberger, F.J., Williamson, R.C. InP optoelectronic switches and their high-speed signal-processing applications 4—59299
Cox, D. Improved lighting quality needed to deal with supply failures 4—57522
Cox, D.B. Testing of analog mask programmable ICs 4—52311

Cox, D.C., Arnold, H.W. Comparison of measured cross-polarization isolation and discrimination for rain and ice on a 19-GHz space-Earth path 4−47609

Cox, H.L. *see* Quinn, J.S. 4−48384

Cox, H.L., Jr., Roberts, M., Borodoloi, K.C. Development of a single-photon photothermal laser spectrometer for sensitive biomedical measurements 4−61779

Cox, H.L., Jr. *see* Roberts, M. 4−58215

Cox, H.M. *see* Chen, C.Y. 4−48895

Cox, I.J., Sheppard, C.J.R. Imaging in a scanning photoacoustic microscope 4−62003

Cox, J. *see* Carter, G. 4−42006

Cox, J.D., Schneider, R.T., Tang, Y.S. Nuclear pumped lasers utilizing radiant transfer 4−52862

Cox, J.R. Squealer killer with real-time equalization 4−33039

Cox, J.R., Jr. The American Heart Association database for the evaluation of ventricular arrhythmia detectors 4−49246

Cox, N.W. *see* Summers, C.J. 4−50764

Cox, P., Yang, P., Chatterjee, P. Statistical modeling for efficient parametric yield estimation of MOS VLSI circuits 4−36863

Cox, R. Bipolar gate array delivers fast signal processing 4−41282

Cox, R. ECL-CML gate array speeds superminis while saving space and power 4−51104

Cox, R.P., Joyce, H. The active microwave instrumentation for ERS-1 4−44920

Cox, R.P *see* Luscombe, A.P. 4−44171

Cox, R.V. Recent trends in digital speech coding 4−31931

Cox, R.V., Snyder, J.H., Crochiere, R.E., Bock, D.E., Johnston, J.D. Testing of wideband digital coders 4−54476

Cox, S.A. *see* Adams, P.F. 4−38415

Cox, T.F., Nichols, M.H. Convolutional coding/Viterbi decoding of PCM/FM 4−47786

Cox, T.J., Wyatt, D.G. An electromagnetic flowmeter with insulated electrodes of large surface area 4−48868

Coy, D. Hierarchical intraframe coding for a sequential picture reconstruction 4−32025

Coyle, A.J. *see* Berry, L.T.M. 4−48000

Coyle, E.J. *see* Bronson, E.C. 4−53570

Coyto, A.Perez *see* Perez Coyto, A.

Crabtree, A.D. 128 key keyboard encoder 4−41430

Crabtree, R.P. Qualification of network name with job name 4−38307

Crabtree, R.P. Multi-level network name 4−38308

Cracknell, D.J. The development of a high-speed long-life waveguide switch 4−41554

Cracovski, J.I. A digital tachometer 4−44441

Craelius, W., Levine, R.S., Saksena, S., Hussain, S.M., Pantopoulos, D., Parsonnet, V. A practical approach to epicardial mapping during open-heart surgery 4−56134

Crafer, R.C. Future trends in the use of lasers in manufacturing 4−53131

Craft, C.M. *see* Johnson, R.T., Jr. 4−34284

Craft, D.C., Dutta, N.K., Wagner, W.R. Anomalous polarization characteristics of 1.3-μm InGaAsP buried heterostructure lasers 4−37355

Craft, D.C. *see* Dutta, N.K. 4−42637, 4−47467

Craft, D.G. Modular grind/polish system [for magnetic disc substrates] 4−52458

Crago, P.E. *see* Chizeck, H.J. 4−49320

Crago, P.E. *see* Thrope, G.B. 4−56193

Craig, A.D., Valentine, H. The application of CAE to the design and development of the UNISAT television antenna 4−53287

Craig, B. Improved fault identification with surge testing of motor windings 4−56910

Craig, D.L. Electrical safety testing−how much is enough? 4−44787

Craig, G.B. *see* LeBel, J. 4−37583

Craig, P.J. *see* Tees, D.G. 4−45940

Craig, P.P. *see* Cramer, J.C. 4−50234

Craig, P.P. *see* Levine, M.D. 4−39982

Craig, S. HCMOS logic elements as microprocessors interfaces 4−58233

Craig, W.J. CMOS Schmitt trigger circuit 4−35708

Craig, W.J. CMOS exclusive OR circuit 4−35757

Craig, W.J. Single-phase clocked CMOS latch 4−35914

Craighead, H.G. 10-nm resolution electron-beam lithography 4−47093

Craighead, H.G. *see* Niklasson, G.A. 4−59185

Craighead, H.G. *see* Skocpol, W.J. 4−51899

Craighead, H.G. *see* Stern, M.B. 4−58825

Craighill, E.J. *see* Sacham, N. 4−32083

Crain, L. Six months after [divestiture] 4−60303

Cramer, A., Lucchese, C.J. Fabrication of polycide gated devices through the techniques of lift-off and RIE 4−51944

Cramer, J.C., Hackett, B., Craig, P.P., Vine, E., Levine, M., Dietz, T.M., Kowalczyk, D. Structural-behavioral determinants of residential energy use: summer electricity use in Davis 4−50234

Cramer, J.G., Storm, D.W., Vandenbosch, R. The University of Washington superconducting booster project 4−33600

Cramer, M.L., Murray, T.M., Jr. Analysis and design of a power monitoring system 4−62260

Cramer, M.L. *see* Hoffman, M.S. 4−44448

Cranch, E.T. *see* Gowen, R.J. 4−35168

Crandall, R.S. Modeling of thin-film solar cells: nonuniform field 4−50052

Crane, K.C.A., Hosea, T.J.C., Lam, C.H., Bendeli, A. A microcomputer-controlled *X-Y* translator for CNC laser applications 4−37510

Crane, K.C.A., Sierins, J.V. Microcomputer-controlled scanning of a laser beam at constant speed 4−31436

Crane, L. *see* Bond, J. 4−48012

Crane, M.L., Allen, M.R. Marine data entry 4−61955

Crane, R.A. *see* Swanson, R.M. 4−45646

Cranford, H.C., Owczarski, P.A. Adjustable power-on-reset circuit in MOSFET technology 4−29663

Cranford, H.C., Owczarski, P.A., Stephens, G.B. On-chip control circuit for high positive and negative voltages 4−29662

Cranmer, J.M., Grand, G., Raimo, A., Ronzani, P. Statistics on single-phase faults to earth on high voltage overhead lines operated with earthed neutral 4−34199

Cranston, C.S. *see* Boustred, G.R. 4−38850

Crappe, R.G. *see* De Pra, U. 4−34808

Crastes, M. *see* Amblard, P. 4−36762

Crastes de Paulet, M. *see* Amblard, P. 4−30734

Craven, B.D. Modified Kuhn-Tucker conditions when a minimum is not attained 4−46129

Cravero, M., Fissore, L., Pieraccini, R., Scagliola, C. Syntax driven recognition of connected words by Markov models 4−43231

Cravero, M., Fissore, L., Pieraccini, R., Scagliola, C. Syntax driven recognition of connected words by Markov models 4−59994

Crawford, C. *see* Baker, S.I. 4−33727

Crawford, D.J. Socket-actuating mechanism 4−29259

Crawford, G.A., Stuart, A.K. Industrial applications of electrolytic hydrogen (EH_2) 4−50262

Crawford, J., Schue, R.E. Integrating virtual memory management into the CPU 4−41359

Crawford, J. *see* Childs, R.E., Jr. 4−35863

Crawford, J.D. EDIF: a mechanism for the exchange of design information [in CAD] 4−58123

Crawford, M. Computerized maintenance systems can save telcos time and money 4−39048

Crawford, M.L. Comparison of open-field, anechoic chamber and TEM cell facilities/techniques for performing electromagnetic radiated emissions measurements 4−39254

Crawford, M.L., Koepke, G.H. Operational considerations of a reverberation chamber for EMC immunity measurements−Some experimental results 4−59786

Crawford, M.L. *see* Wilson, P.F. 4−37663

Crawford, R.W. *see* Wong, C.M. 4−33767

Crawley *see* Macauley, J.P. 4−35025

Crawshaw, G. *see* Avery, C.R. 4−50170

Cray, E.R. Intranodal switching in a remote line switch 4−54550

Creacy, C.A., Houchens, E.L. Economics of sleeving steam generators 4−49687

Crean, K. *see* Donnelly, D.P. 4−49019

Crearie, L.M. Document retrieval within an electronic mailing system 4−48040

Creason, R.R., Hoeft, L.O., Morrow, D.R. Measurement of the magnetic field from long two wire lines at low frequencies 4−39282

Creason, S. Creason's do-it DVM 4−44537

Creedon, E.P. Laser-reworked polymer photoresist mask 4−41931

Creedon, R. *see* D'Aoust, J. 4−42799

Crees, D.E. *see* Sisson, M.J. 4−47019

Cregger, B.B. *see* Scott, B.N. 4−58530

Creighton, G.K. *see* Mhango, L.M.C. 4−49884

Creighton, M.A. *see* Crepeau, P.J. 4−31883

Cremers, A.B., Kung, S.-Y. On programming VLSI concurrent array processors 4−41434

Cremonesi, O. *see* Bellotti, E. 4−33635

Cremoux, B.de *see* de Cremoux, B.

Crennell, D. *see* Atkinson, M. 4−61709

Crepeau, P.J., Creighton, M.A., Omura, J.K. Performance of FH/MFSK with list metric detection against partial band noise and random tone jamming 4−31883

Crepeau, R.L. Power supply ATE−keeping pace with switcher technology 4−61195

Crepy, H., Denoix, B., Destombes, F., Rouquie, G., Tubach, J.-P. Speech processing on a personal computer to help deaf children 4−53481

Cresap, R.L. *see* Chan, S.M. 4−56899

Cresdee, N. Cook up your own dish [satellites] 4−53296

Crespo, A. *see* Albertos, P. 4−56395

Crespo, L., Guerra, A., Moreno, L.J. A distributed control system for a 20 megawatt solar power plant: fiber optic communications 4−49815

Creter, C. *see* Russak, M.A. 4−45658

Cretu, A. Phase-sensitive rectifier/amplifier circuits, realised with operational amplifiers 4−29625

Crew, A.D. *see* Naghdy, F. 4−49115

Crew, A.D. *see* Stoodley, K.D.C. 4−49281

Criegee, T. Measured values go straight into memory 4−51269

Crim, H.G., Jr. *see* Armor, A.F. 4−49736

Crine, J.P. *see* Couderc, D. 4−58570

Crine, J.-P., Lanteigne, J. Influence of some chemical and mechanical effects on XLPE degradation 4−59077

Crine, J.-P. *see* McNicoll, Y. 4−34212

Crinon, R.J., Arce, G.R. Recursive 2 dimensional median filtered signals with impulsive noise 4−41509

Crinon, R.J. *see* Arce, G.R. 4−53747

Crippa, M. The Anritsu MS 420A network and spectrum analyser 4−33194

Crippa, M. New VLSI components in IMOX technology by AMD 4−36649

Criqui, P. Energy consumption in the Pacific basin: evolution and medium range prospects 4−49531

Ciririchigno, F. New apparatus from the SIP organisation 4−38200

Crisafi, F., Schoenfeld, K., Shtoyko, W. Bent pin detector 4−29227

Crisan, S., Breaban, F. Instrument for the measurement and sorting of transistors 4−61216

Crise, A., Pasian, F. Automatic control software for a network of digital marigraphs 4−44919

Crisp, M.H. Launching of communication satellites−an operator's perspective 4−49355

Cristea, G. *see* Mustata, I. 4−42119

Cristea, H., Kilyeni, S. Unitary mathematical model for the implementation of an automatic excitation control system (different, experimentally identified) unit in the complex electrical energy systems stability analysis programs 4−49507

Cristea, P., Iordache, M. Piecewise analysis of complex electric networks 4−35592

Cristi, R. *see* Derin, H. 4−60242

Cristi, R. *see* Elliott, H. 4−60241

Cristiano, R., Russo, M., Di Chiara, A., Hesheng Huang, Peluso, G. Some aspects of self-field effects in large vanadium-based Josephson junctions 4−31077

Cristina, S., D'Amore, M., Salerno, M., Salerno, M. Microprocessor system for measuring frequency spectra and computing transient responses of a power apparatus 4−48716

Cristo, A.Di *see* Di Cristo, A.

Cristoloveanu, S. *see* Wyncoll, J. 4−41907

Cristovici, A., Popescu, A. Problems concerning the single-pole automatic reclosing of the extra high voltage lines 4−56659

Critchlow, D. *see* Scheuerlein, R.E. 4−51248

Critin, G. *see* Beer, A. 4−61682

Crivii, M. *see* Kelemen, A. 4−34695

Crnjin, R. *see* Sijerkovic, A. 4−34413

Crnko, S. *see* Sirotic, Z. 4−56938

Crnosija, P. Determination of voltage-distortion factor for a network loaded with several DC motor drives 4−45013

Croat, J.J., Herbst, J.F., Lee, R.W., Pinkerton, F.E. Pr-Fe and Nd-Fe-based materials: a new class of high-performance permanent magnets 4−31033

Croat, J.J. *see* Herbst, J.F. 4−30943

Crochet, M.J., Geyling, F.T., Van Schaftingen, J.J. Numerical simulation of the horizontal Bridgman growth of a gallium arsenide crystal 4−29452

Crochiere, R.E. *see* Cox, R.V. 4−54476

Crochiere, R.E. *see* Jain, V.K. 4−43337

Crocker, C. Through sleet, rain and dark of night [electronic mail] 4−54146

Crockett, D.J. An operational facelift for the Heath HW-100 (and HW-101) 4−30036

Crockett, G.B. Support services for local area data transport networks 4−32442

Croes, K. *see* Zinszner, R. 4−36887

Croes, R. High-speed CMOS [logic ICs] 4−29774

Croft, D.C. *see* Saunders, M.P. 4−47141

Croisier, A. Digital voice station scrambling 4−38187

Croix, N.L.de St. *see* de St. Croix, N.L.

Croll, J.G.A. *see* De Souza, V.C.M. 4−33547

Crombach, U. *see* Pithan, H. 4−57524

Crombie, D.D. Prediction of multipath fading on terrestrial microwave links at frequencies of 11 GHz and greater 4−31666

Crompton, E.K. *see* Anson, P. 4−44040

Cronin, D.H. *see* Berry, L.A. 4−38758

Cronin, D.J. *see* Ausschnitt, C.P. 4−36670

Cronk, S., Schubert, R.W. An adaptive microcomputer-aided independent living system for severely disabled 4−56151

Crook, R. Questech 2009 PAL comb filter decoder 4−32947

Cros, J.-F. Safety at work 4−45933

Cros, J.-F. Radiation protection 4−49327

Crosbie, R.E. *see* Hay, J.L. 4−44823

Crosby, B. *see* Shirachi, D. 4−60552

Crosby, P.A. *see* Clark, G.M. 4−61816

Crosier, W.G. *see* Levitan, B.M. 4−56076

Crosignani, B. Self-induced nonlinear effects in optical fibers: a unified approach 4−31497

Crosignani, B., Wabnitz, S., Di Porto, P. Mode-power fluctuations in optical fibers 4−52583

Crosley, D.R. *see* Dyer, M.J. 4−42753

Crosnier, Y. *see* Gamand, P. 4−29674

Cross, E.F., Garber, W.A., Gibb, O.L., Wiemokly, G.D., Spiro, I.J. Optical technique for increasing fill factor of mosaic arrays 4—55230
Cross, J.A., Barton, N.G. Cylindrical probe measurements in a corona discharge 4—30240
Cross, J.E. The design of a simple digital temperature indicator using a microprocessor 4—61231
Cross, L.E. Dielectric, piezoelectric, and ferroelectric components 4—47145
Cross, L.E. *see* Halliyal, A. 4—47150
Cross, L.E. *see* Yuhuan, Xu. 4—42187
Cross, P.S., Baumgartner, R.A., Kolner, B.H. A traveling wave, microwave optical modulator 4—59268
Cross, P.S. *see* Kolner, B.H. 4—59267
Cross, R. The place for videotex at Consumers Union 4—48147
Cross, S.E. Computer understanding of air traffic control displays 4—61886
Cross, T. Electronic time study 4—45871
Cross, W.G., Arneja, A., Ing, H. Effect of preetching on the registration in CR-39 of electrochemically-etched tracks of protons and alpha particles of different energies 4—55877
Crossland, D. *see* Syrigos, H. 4—58497
Crossland, P. *see* Codrai, C. 4—48077
Crossley, L.E. *see* Pillai, N.R. 4—34446
Crossley, N. Meters for harsh environments [hazardous area equipment] 4—57788
Crosta, G. A model for polychromatic photoresist exposure in optical microlithography 4—36686
Croswell, W.F. *see* Moye, R.L. 4—31775
Crot, D.L. *see* Coleman, R.J. 4—56201
Croteau, G., Bois-Clair, J.C., Jeanjean, R. Analysis of reignition of multiple break switches devices application to shunt reactor interruption 4—57273
Crouch, K.W. *see* Southard, J.R. 4—36784
Crouch, S.R. *see* Ratzlaff, E.H. 4—42327
Crow, J. Communications in support of military operations 4—60316
Crow, J.D. Computer applications for fiber optics 4—54817
Crow, L.H. Methods for assessing reliability growth potential 4—46050
Crowcroft, J., Hall, R. A distributed approach to loading in a network environment 4—54428
Crowder, P.A., Crowder, P.K., Edwards, J.G. Community services via satellite 'the Canadian experience' 4—32740
Crowder, P.K. *see* Crowder, P.A. 4—32740
Crowe, T.W., Mattauch, R.J. An analysis of the I-V characteristics of cryogenically cooled Schottky barrier mixer diodes 4—58903
Crowell, C.R. *see* Lee, S.J. 4—36852
Crowell, P. What videodiscs cost 4—32971
Crowley, J. *see* Fank, B. 4—36065
Crowley, J.D., Fank, F.B. Millimeter-wave InP Gunn devices 4—41606
Crowley, J.I., Dawson, L.P., Imaino, W., Nebenzahl, L., Smith, B., Wu, A. Nondestructive in-situ analytical method for magnetic data disk lubricant and magnetic film thickness measurement 4—33459
Crowley, J.M. Stability of EHD induction pumps 4—53147
Crowley, R.I., Parker, D.L. Precision laser trimming of polysilicon resistors without passivation damage 4—36168
Crowley, R.T. *see* Gourley, K.D. 4—36157
Crowley, T.R., Koeller, P.D., Walls, A.D. Improved save/restore 4—31953
Crowther, S. Switched networks 4—48353
Crozier, S. *see* Chan, Y.T. 4—60056
Cruce, A.C. A generic approach to simulation/support facility design [aircraft avionics] 4—49401
Crudele, R. Practical aspects of communications via optical fibres. I. Permanent and separable joints 4—44127
Crudkowski, T.W. *see* Merritt, S.W. 4—52416
Cruickshank, J.M., Bonnier, D., Pace, P., Larochelle, V., Henshall, H. Field measurements with a coherent transversely excited atmospheric CO_2 laser radar 4—54896
Cruickshank, M.J. *see* Rowland, T.J. 4—61988
Cruttwell, I.A. A fully automated pattern inspection system for reticles and masks 4—36682
Cruz, A. *see* Guedes de Oliveira, P. 4—49212
Cruz, A.La *see* La Cruz, A.
Cruz, C.H.Brito *see* Brito Cruz, C.H.
Cruz, F.da *see* da Cruz, F.
Cruz, G.Gonzalez de la *see* Gonzalez de la Cruz, G.
Cruz, J.B., Jr. *see* Zheng, Y.P. 4—46090
Cryroky, J. *see* Janta, J. 4—47247
Csath, G. *see* Kulcsar, S. 4—57317
Csathy, K., Ratkay, Z. Applications of a computer in the measurements of high power short-circuit test 4—55168
Csecsody, S. *see* Bognar, A. 4—56648
Csefalvay, M. *see* Gyimothy, K. 4—34227, 4—56676
Csencsits, R., LeMaire, P.J., Reed, W.A., Shenk, D.S., Walker, K.L. Fabrication of low-loss single-mode fibers 4—52633
Csepregi, L., Seidel, H. Silicon sensors—possibilities for their manufacture and application 4—55396
Csepregi, L. *see* Seidel, H. 4—33238
Csillag, L. *see* Janossy, M. 4—31316
Csiszar, I. Sanov property, generalized I-projection, and a conditional limit theorem 4—43048
Csoke, A. *see* Akatov, Yu.A. 4—61841
Csomore, S. *see* Bognar, A. 4—56648
Csonka, P.L. *see* Tatchyn, R. 4—36378, 4—56043
Csordas, G., Varga, R.S. Comparisons of regular splittings of matrices 4—46063
Csorgei, J., Erkel, A., Vero, L. Time domain IP equipment and method for source discrimination 4—33960
Ctyroky, J. Light propagation in proton-exchanged $LiNbO_3$ waveguides 4—37094
Ctyroky, J., Hofman, M., Janta, J. 3-D analysis of $LiNbO_3$:Ti channel waveguides and directional couplers 4—42369
Ctyroky, J. *see* Uyukin, E.M. 4—42391
Cubric, S. Estimation of geothermal power reserves of Zagreb geothermal system 4—62267
Cuccia, C.L. Technology considerations in EHF SATCOM systems 4—54713
Cuccia, C.L. *see* Lovell, R.R. 4—44032
Cuchet, R. *see* Peuzin, J.C. 4—59228
Cuchy, Z. *see* Kravarik, J. 4—59272
Cuchy, Z. *see* Manek, B. 4—29434
Cucinelli, J. Shielding tips for coil winding 4—41619
Cudd, P.A., Conway, J., Anderson, A.P., Melek, M. Direct temperature measurement of focused heating from a phased array hyperthermia system 4—39609
Cuddihy, E.F. *see* Kallis, J.M. 4—40455
Cuemo, J.J. *see* Acosta, R. 4—46746
Cuenca, L. IBERTEX, the Spanish response to the videotex challenge 4—48099
Cuesta, A.E. Front-end data processing requirements for videotex applications 4—54213
Cuevas, A. *see* Ruiz, J.M. 4—34912
Cuevas, M., Minck, J.L. A computer controlled system to calibrate microwave power sensors and attenuators 4—44598
Cuff, A.R. Rugged lamp driver is short-circuit proof 4—58135
Cuffe, S.S., Hammond, P.W. A variable frequency AC blower drive installation for efficient and accurate control of glass tempering 4—57654
Cuffling, K. *see* Sabri, S. 4—38838
Cui Ding-xin, Li Han-fei Low frequency mutual induction between two parallel lines 4—47551
Cui Guang-ji *see* Wei Guo-zhu 4—37055
Cui Guangji *see* Meng Xiaofan 4—47211, 4—52490
Cui Guangji *see* Shao Kai 4—42290
Cui Guangqi *see* Ment Xiaofan 4—37057
Cui Jinsi *see* Wang Zheen 4—37323
Cui Ming-gen A note on 'The degree of approximation for the second class Hermite-Fejer polynomials' 4—40995
Cui Shufan, Mai Zhenhong, Qian Linzhao The Si-H bonds and H-induced defects in single crystals of silicon 4—30316
Cui Xian-Zhong *see* Li Xi-wu 4—56439
Cui Yuanri, Xu Xinghao, Jin Zhaoting, Peng Chuancai, Xie Shuyun Deposition of transparent conducting indium tin oxide thin films by reactive ion plating 4—50822
Cui Zhiguang, Zhou Fuzheng, Shen Liqing, Lu Lairong, Wu Tongyang Automatic monitoring of pulsed laser energy 4—31447
Cuixian Hu *see* Hu Cuixian
Cujec, B. *see* Hunyadi, I. 4—55945
Cuk, S. A coupled inductor and integrated magnetics techniques in power electronics [switching power supplies] 4—50981
Cukier, M., Pilost, D. Modem sharing with operator device unit 4—54489
Cukier, M. *see* Bigo, F. 4—47980
Culea, E. Semiconducting properties of V_2O_5-As_2O_3 glasses 4—41850
Culhane, J.L. *see* Mason, I.M. 4—33783
Culican, E.F. Driver block skew minimizer 4—29970
Culican, E.F., Eaton, P.L. Driver test SRL circuit [for VLSI chip testing] 4—51380
Culican, E.F., Eaton, P.L., Pritzlaff, P.E., Jr. Driver circuit with controlled output up-level 4—29975
Culican, E.F., Eaton, P.L., Ting, Y.M. ECIPT clock generator 4—29710
Culican, E.F., Gaudenzi, G.J., Mullgrav, A.L., Jr., Pritzlaff, P.E. Driver circuit [inverting] 4—35918
Culican, E.F., Kemlage, B.M., Peterson, C.I., Jr. Trench-defined capacitor 4—46640
Culican, E.F., Pritzlaff, P.E Variable-threshold receiver circuit 4—29978
Culican, E.F., Pritzlaff, P.E., Schettler, H. On-chip voltage regulator 4—29655
Culican, E.F., Pritzlaff, P.E., Jr. Active on-chip driver 4—29787
Culican, E.F. *see* Blumberg, R.J. 4—48710
Cullen, G., Davies, R. Sharpening Britain's competitive edge 4—35274
Cullen, G.W., Duffy, M.T., Jastrzebski, L., Lagowski, J. The characterization of CVD single-crystal silicon on insulators: heteroepitaxy and epitaxial lateral overgrowth 4—35479
Cullen, G.W. *see* Jastrzebski, L. 4—51893
Cullen, G.W. *see* Lagowski, J. 4—41818
Cullen, M.A., Betle, K.B., Moyer, D. A bit slice processor system 4—29930
Cullen, T.J., Wilkinson, C.D.W. Radiation losses from single-mode optical Y junctions formed by silver-ion exchange in glass 4—31170
Cullian, T.A. How to get 'em down the easy way [Yagi antennas] 4—31779
Culliford, D.R. Spallation neutron source RF cavity bias system 4—39405
Cullis, A.G. *see* Blunt, R.T. 4—41961
Cullis, A.G. *see* Thompson, M.O. 4—46915
Cullis, C.F., Hirschler, M.M., Stroud, M.A.M. A novel engine-free dilution-tunnel system for the collection of particulate matter formed during combustion 4—33531
Cullmann, E. An X-ray stepper 4—52160
Cullmann, E. Automatic alignment system 4—55361
Culpan, E.A. *see* Dukes, R. 4—46262
Culshaw, B. Optical fibre sensing and signal processing 4—40699
Culter, C.C. *see* Newton, S.A. 4—52619
Cumming, A.D.G., Ferrari, R.L., Owen, G. Electronic design and performance of an impulse radar ice-depth sounding system used on the Vatnajokull ice-cap, Iceland 4—33990
Cumming, I.G. *see* Lim, J. 4—54873
Cummings, C.E. *see* Fox, W.E. 4—42787
Cummings, C.E. *see* Peterson, D.R. 4—42788
Cummings, J.P. *see* Jensen, R.J. 4—58650
Cummings, P.G. Comparison of IEC and NEMA/IEEE motor standards. II 4—34579
Cummings, P.G., Dunki-Jacobs, J.R., Kerr, R.H. Protection of induction motors against unbalanced voltage operation 4—62544
Cummings, R.C., Hastings, P.C., Halporn, A.D., Jr., Vivenzio, T.A. Coal gasification for Sears Island 4—49767
Cummins, A. Clearway—operational experiences 4—32346
Cummins, H.F. *see* Rieger, J.L. 4—48763
Cummins, K.L. *see* McGill, K.C. 4—56138
Cumulat, J. *see* Coteus, P. 4—55824
Cun-li Chen *see* Chen Cun-li
Cun-Quan Zhang *see* Zhang Cun-Quan
Cun-sheng Zheng *see* Zheng Cun-sheng
Cundy, V.A., Maples, D. Combustion characteristics associated with the novel fuel mixture comprised of coal and natural gas 4—45208
Cunha, H., Jr. *see* Fechine, E. 4—49918
Cunha, H., Jr. *see* Pfitscher, G.H. 4—34703
Cunhao Zhang *see* Zhang Cunhao
Cuninghame-Green, R.A. The absolute centre of a graph 4—46113
Cuninghame-Green, R.A., Burkard, R.E. Eigenfunctions and optimal orbits 4—50716
Cunkai Wu *see* Wu Cunkai
Cunningham, A.C. New high-power field distribution system 4—62622
Cunningham, C.L., Peris, J. A microcomputer system for temperature biotelemetry 4—33804
Cunningham, D.G., Denvir, D., Duncan, I., Morrow, T. Up-conversion using stimulated anti-Stokes Raman scattering and stimulated collisional induced fluorescence in Tl 4—37447
Cunningham, I. Electronic mail standards to get rubber-stamped and go worldwide 4—43673
Cunningham, I.A., Fenster, A. A photodiode array X-ray imaging system for digital angiography 4—49174
Cunningham, M. Developing computerized, mobile telemetry data processing systems 4—48778
Cunningham, R.A. *see* Sanderson, N.E. 4—33760
Cunningham, R.S. *see* Bose, B. 4—47770
Cunningham, W.H. Testing membership in matroid polyhedra 4—57925
Cuno, R.J. Accuracy requirement of space laser systems for geodetic applications 4—60823
Cuny, R.D. H-field measuring probe 4—39277
Cuomo, F. *see* Camisa, R.L. 4—36844
Cuomo, J.J., Rosenberg, R., Smith, J.E., Jr. Fabrication of circuit lines on printed circuit boards 4—51639
Cuperman, V. *see* Gersho, A. 4—37879
Cupo, R.L., Robinson, E.A. The iterative NCDE ARMA algorithm 4—37969
Cupp, R.E. *see* Bohlander, R.A. 4—37593
Cuppens, R., Hartgring, C.D., Verwey, J.F., Peek, H.L. An EEPROM for microprocessors and custom logic 4—51243
Curiel, A.Da Silva *see* Da Silva Curiel, A.
Curiel, A.da Silva *see* da Silva Curiel, A.
Curlett, P.L., Haynes, C.J., Kemp, D.A. Selecting initial steam conditions for industrial power plants 4—49778
Curlett, P.L., Krippene, B.C., Galambas, J.W. Evaluating the effects of coal quality on new power plant capital and operating costs 4—49756
Curran, J.E. *see* Milsom, R.F. 4—52433
Curran, T. Computer aided design in the electronics industry 4—35578
Current, K.W. *see* Balch, J.W. 4—58249
Current, K.W. *see* Ford, G.E. 4—30020
Current, K.W. *see* Freitas, D.A. 4—59030
Current, K.W. *see* Wheaton, L.B. 4—29966

Current, M.I., Wagner, A. Status of the production use of ion implantation for IC manufacture and requirements for competitive application of focused ion beams 4—36662
Current, M.I. *see* Pramanik, D. 4—46936
Currie, A.J. *see* Allerton, D.J. 4—30739
Currie, B.W., Haykin, S., Lewis, E.O. Effect of radar parameters on the surface-based radar return from landfast sea ice 4—33988
Currie, J., Depelsenaire, P., Groleau, R., Sacher, E. A nuclear scattering evaluation of organometallic bonding in the adhesion of metallization to polymers 4—36493
Currie, J.R. Multiplexed logic controls solar heating system 4—39346
Currie, N.C., Callahan, J.T., Lott, R.C. Microwave/millimeter wave measurements of sea ice 4—55658
Curry, C.K. Electronic CAD innovations 4—50895
Curry, D.J. *see* Kowalski, D.C. 4—52721
Curry, W.J. *see* Brown, W.W., Jr. 4—46245
Curthoys, J.R.C., Bonner, T. An introduction to ultrasonic vortex flowmeters 4—33544
Curtice, D.H. *see* Chan, S.M. 4—56899
Curtins, H. *see* Max, J.-J. 4—35936
Curtis, B.J. *see* Lehmann, H.W. 4—52028
Curtis, G.H. *see* Shields, A.J. 4—59104
Curtis, H., Mummery, G.B., Salmon, A. Transport of spent nuclear fuel—international and UK 4—62289
Curtis, J. *see* Anderson, D. 4—57498
Curtis, K.R. Appliance and motor lead wire meet new demands 4—41622
Curtis, R.T. *see* Melan, E.H. 4—50567
Curtis, S.R., Lim, J.S., Oppenheim, A.V. Signal reconstruction from one bit of Fourier transform phase 4—53925
Curtis, T.E., Constantinides, A.G., Wu, Y.S., Wu, L.J. VLSI architecture for signal processing with alternate low-level primitive structures (ALPS) 4—60071
Curtis, T.E. *see* Dominy, L. 4—44181
Curtis, T.E. *see* Wu, Y.S. 4—37929
Curzon, A.E. *see* Curzon, F.L. 4—42441
Curzon, F.L., Kjorvel, A., Camm, D.M., Halpin, N.P., Curzon, A.E. Simple water-cooled mirror for high-power lamps 4—42441
Cusack, E.L. *see* Brownlie, J.D. 4—43861, 4—60575
Cusdin, M.J. *see* Gough, P.T. 4—38691
Cushman, R.H. Hands-on network-design project gives insight into LAN features 4—32374
Cushman, R.H. VLSI-based LAN-controller chip eases μP-to-network interface 4—43778
Cushman, R.H. Additional LSI and hybrid parts ease completion of LAN [local area networks] 4—54361
Cushman, R.H. Easy-to-use DSP converter ICs simplify industrial-control tasks 4—58404
Cusick, A.H. The DISA type 55A76 probe used for ground wind velocity measurements around building models in a wind tunnel 4—33246
Custance, K. Cable TV: will it benefit the business user? 4—32961
Custance, K. Waves of cellular confusion 4—38477
Custance, K. Maintenance: end of the BT line 4—47976
Custance, K. VANS: into the Bermuda triangle 4—60332
Custance, K. Communications: 1984 and beyond 4—60491
Cusumano, S.J. *see* Butts, R.R. 4—59661
Cusumano, S.J. *see* Carreras, R.A. 4—61558
Cuthbert, L.G. *see* Botros, A.Z. 4—38671
Cutler, A.E. Services on new-build cable TV systems 4—55016
Cutler, C.C. *see* Sorin, W.V. 4—53077
Cutler, L.S., Giffard, R.P., McGuire, M.D. Mercury-199 trapped ion frequency standards: recent theoretical progress and experimental results 4—39001
Cutler, M. *see* Baudet, G.M. 4—50911
Cutler, M. *see* Rasolondramanitra, H. 4—39270
Cutolo, A., Madey, J.M. Acousto-optic output for free electron lasers 4—47486
Cutolo, A., Madey, J.M.J. Second harmonic generation with high power short pulses from an infrared FEL 4—47505
Cutro, J.A. *see* DiMaria, D.J. 4—52812
Cutrone, D. *see* Marhefka, M. 4—29205
Cutter, D. *see* Binder, J. 4—48831
Cutter, R.C. *see* Poole, L.A. 4—53754
Cutting, M. The INTELPOST experience 4—48047
Cutting, M. *see* Pavlicek, W. 4—49160
Cuykendall, R. Software metrics and lower bounds 4—52252
Cuykendall, R., Domic, A., Joyner, W.H., Johnson, S.C., Kelem, S., McBride, D., Mostow, J., Savage, J.E., Saucier, G. Design synthesis in VLSI and software engineering 4—42108
Cuykendall, R., Domic, A., Joyner, W.H., Johnson, S.C., Kelem, S., McBride, D., Mostow, J., Savage, J.E., Saucier, G. Design synthesis and measurement [VLSI and software] 4—52246
Cuyt, A., Wuytack, L., Werner, H. On the continuity of the multivariate Pade operator 4—50711
Cvetkovic, Z. Geographical and climatic influence on transmission line reliability 4—34198
Cvetkovic, Z. Analysis of reliability of large thermal power plants in the electric power system of Yugoslavia 4—56417
Cvetkovic, Z., Sobajic, P. A procedure of a short-term forecasting of daily requirements of electricity consumers 4—62053
Cvetkovich, T. *see* Smith, S.L. 4—59635
Cvetrovic, Z. Yugoslav contribution to transmission network planning 4—62128
Cvijetic, M.M. Dual-mode optical fibres with zero intermodal dispersion 4—47272
Cvijin, P.Vujkovic *see* Vujkovic Cvijin, P.
Cybenko, G. Fast approximation of dominant harmonics 4—40917
Cyert, R.M. *see* Lerner, E.J. 4—50364
Cyganski, D., Orr, J.A. Object identification and orientation determination in 3-space with no point correspondence information 4—53939
Cyganski, D., Orr, J.A., Emanuel, A.E., Gulachenski, E.M., Pileggi, D.J. An automated noncontact measurement system for current harmonics in aerial transmission and distribution systems 4—34231
Cyganski, D. *see* Goodwin, L. 4—35211
Cyr, R.J. Sea-bed surveys by acoustic penetrometer 4—39726
Cyzs, B. *see* Israel, M. 4—37721
Czajczynski, Z. International standardization IEC concerning industrial electrothermal equipment 4—40815
Czajkowski, A.F. Managerial decision-making in establishing R&M design goals [reliability and maintainability] 4—50397
Czajkowski, S.F., Peri, J.S.J. Strategic communications network performance evaluation model 4—48382
Czaplak, W., Dabrowski, J., Kowalak, T. The insulation of the Polish 750 kV overhead line 4—45136
Czarnecki, W.A. Generation of multi-dimensional stationary discrete random signal with given probability density and autocorrelation functions 4—37982
Czechowski, A. A measurement method of transportation environment characteristics of electronic equipment 4—50509
Czechowsky, P., Schmidt, G., Ruster, R. The mobile SOUSY Doppler radar: technical design and first results 4—49473
Czeratzki, A., Busse, L., Stys, Z.S. Remaining useful lifetime of older steam turbines 4—49753
Czerwinski, R. Converting and extending the Munster steam power plant 4—49741
Czinkloczky, B. Diagnostic analysis of steam turbines without opening the casing from measurement of thermal characteristics 4—45295
Czirr, J.B. *see* Jensen, G.L. 4—39418
Czoch, I., Toth, I., Vamos, G. Report on the international symposium 'safety in operation of nuclear power plants' 4—62281
Czogala, E., Drewniak, J. Associative monotonic operations in fuzzy set theory 4—40945
Czogala, E., Zimmermann, H.-J. The aggregation operations for decisionmaking in probabilistic fuzzy environment 4—57908
Czornyj, G. *see* Ahn, K.Y. 4—52439
Czyszek, W. *see* Czyszek, Z. 4—39682
Czyszek, Z., Czyszek, W. Geophysical Observatory at Hel 1932-82 [Poland] 4—39682

Da, R.J. Communications satellites developed and used by Europe for its national and regional needs 4—60783
da Costa, J.M.G.Sa *see* Sa da Costa, J.M.G.
da Cruz, F., Catchings, B. Kermit: a file-transfer protocol for universities. I. Design considerations and specifications 4—48186
Da Deppo, L., Datei, C. Optimal diameters for pressure pipes of hydro plants 4—45333
Da Lin *see* Lin Da
da Luz Reis Augusto *see* Augusto da Luz Reis
da Rocha, V.Cardos, Jr. *see* Cardos da Rocha, V., Jr.
da Rocha, V.Cardoso, Jr. *see* Cardoso da Rocha, V., Jr.
Da Rocha, V.C., Jr. Maximum distance separable multilevel codes 4—47753
da Silva, A.M.Leite *see* Leite da Silva, A.M.
da Silva, J. *see* Alazrachi, A. 4—39848
Da Silva Curiel, A. *see* Branch, P. 4—38555, 4—38557
da Silveira e Silva, W. A structural model for the development of the microelectronics industry 4—57765
da Silveira Guidacci *see* Guidacci da Silveira
Da-cheng Ding *see* Ding Da-cheng
Da-hua Zhou *see* Zhou Da-hua
Da-Ren He, Yeh, W.J., Kao, Y.H. Transition from quasiperiodicity to chaos in a Josephson-junction analog 4—52508
Da-ren Huang *see* Huang Da-ren
Daal, A.J.W.van *see* van Daal, A.J.W.
Daams, H. *see* Costain, C.C. 4—39333
Daane, A.H. *see* Bertnolli, E.C. 4—45891
Dabas, R.S. *see* Somayajulu, Y.V. 4—47613
Dabbs, P.H., Cassidy, F., Long, D. The world of telecommunications: Swiss bank on peak performance 4—60310
Dabek, W. French nuclear power development program 4—62279
Dabkowski, J. *see* Frazier, M.J. 4—39255
Dabkowski, K. A phase-converter 4—49963
Dabo, T. *see* Sirotic, Z. 4—56938
Dabrowski, A.J. *see* Iwanczyk, J.S. 4—33709, 4—51727
Dabrowski, J. Testing programme and methodology for 750 kV overhead line insulation systems 4—45137
Dabrowski, J., Kowalak, T., Kuczkowska, I. Test results of the Polish 750 kV overhead line insulation systems 4—45139
Dabrowski, J. *see* Czaplak, W. 4—45136
Dacar, F. *see* Spegel, M. 4—46673
Dachel, P. *see* Wardrip, C. 4—39331
Dack, D. *see* Baskin, J. 4—38321
Dacres, C. The anodic corrosion of fiber reinforced lead composites for use in lead-acid batteries 4—40420
Dacui Ren *see* Ren Dacui
Dadarlat, D., Chirtoc, M., Candea, R.M., Bratu, I., Mecea, V., Barlea, M., Pruneanu, P., Turcu, R. The spectral response extension of the TGS pyroelectric detector 4—52440
D'Addario, L.R., Thompson, A.R., Schwab, F.R., Granlund, J. Complex cross correlators with three-level quantization: design tolerances 4—54926
D'Addio, E. The efficiency of switch count traffic parameters 4—32166
Dado, S. *see* Velebil, J. 4—61324
Dae Yu Sang *see* Sang Dae Yu
Dae-Heum Yon *see* Joon-Ung Lee 4—59049
Daehler, M. *see* Goodman, J.M. 4—32652
Daehnick, W.W., Niedra, J.M. Position-sensitive counter telescope for light and heavy ions 4—39416
Daembkes, H., Brockerhoff, W., Heime, K., Cappy, A. Improved short-channel GaAs MESFETs by use of higher doping concentration 4—52102
Daetwyler, K., Vettiger, P., Webb, D.J. Combined E-beam and optical exposure of diazo resists 4—51945
Daetwyler, M.B. *see* Erwin, H.O. 4—37146
Dafang Sun *see* Sun Dafang
Daga, O.P. *see* Kochhar, M. 4—58876
Dagen, H., Grubman, S. Reliability and Maintainability Acquisition Handbook 4—45887
Dagenhart, W.K., Stirling, W.L., Banic, G.M., Barber, G.C., Ponte, N.S., Whealton, J.H. Short-pulse operation with the SITEX negative ion source 4—61643
Dagenhart, W.K., Tucker, T.C. Neutral beam line ion beam raster scanning with a dipole magnet 4—49057
Dagenhart, W.K. *see* Stirling, W.L. 4—61650
Dagenhart, W.K. *see* Whealton, J.H. 4—61654
Daggett, P.W. *see* Daughtrey, H.T. 4—49683
Daghir, K.S., Shen, M.N. Thermal and voltage compensation circuit 4—29654
Daghir, K.S., Shen, M.N. Bypass circuit for receiver and driver delay measurement 4—35921
Daghir, K.S., Shen, M.N. Illegal logic level sensing circuit 4—46427
Dagilis, M.K. *see* Grigulis, Yu.K. 4—61495
Dagnino, C. Extended product integration rules 4—29416
Dagnino, C., Fiorentino, C. Computation of nodes and weights of extended Gaussian rules 4—35383
D'Agostini, S. *see* Mangin, C.-H. 4—29224
Dah-Kwang Yeh, DeMassa, T.A. Computer analysis of induced-inversion layer MOS solar cells 4—40444
Dahan, C. *see* Schmitz, F.H. 4—61869
Daheng Wang *see* Wang Daheng
Daher, J.K., Woody, J.A., Barnstead, R.E. Investigation of the EMI characteristics of electric vehicles 4—37626
Dahhou, B., Najim, K., M'saad, M. Model reference adaptive control of an industrial phosphate drying furnace 4—40667
Dahl, E.A., Shields, M. Digital data cassette recording system 4—48775
Dahl, P.H., Mathison, O.A. Some experiments and considerations for development of Doppler-based riverine sonars 4—60920
Dahlberg, B. Chips support two local area networks 4—43752
Dahlgren, J.B., Taylor, L.W., Jr. Spacecraft control research at NASA 4—44885
Dahlheimer, J.A. *see* Braun, H.E. 4—34289

Dahlin, H., Lamm, I.-L., Landberg, T., Levernes, S., Ulso, N., Arwidi, A., Lofroth, P.-O., Myrdal, G., Ragnhult, I., Rekonen, A., Rikner, G., Sundbom, L., Viitanen, J., Asard, P. User requirements on CT-based computed dose planning systems in radiation therapy 4—44771
Dahlke, G.P. *see* Brown, W.W., Jr. 4—30562
Dahmen, N., Killat, U., Stecher, R. Performance analysis of token bus and CSMA/CD protocols derived from FORCASD simulation runs 4—48277
Dahmen, W., Micchelli, C.A. On the optimal approximation rates for criss-cross finite element spaces 4—50705
Dahms, H. Split-supply regulator 4—46326
Dahmus, A.B. *see* Colston, E.L. 4—49544
Dahod, A.M. Local network responds to changing system needs 4—48202
Dahod, A.M. An integrated data/voice local area network 4—54389
Dai Fengmei *see* Chen Shuchun 4—59599
Dai Jian-hua *see* Zhang Hong-jun 4—52711
Dai Jixin, Sun Tongqiong Ferrite stripline latching circulator and its application in satellite communication 4—58512
Dai Xiaoyong *see* Yang Hongjun 4—50020
Dai-ji Hong *see* Hong Dai-ji
Daianu, D. *see* Preda, G. 4—50344
Daido, Y. *see* Fukuda, E. 4—31849
Daido, Y. *see* Shigaki, M. 4—41603
Daigle, J.N., Liu, S.S., Wong, K.W. Design alternatives for communication processing systems 4—32225
Daijavad, S. *see* Bandler, J.W. 4—41164, 4—46548
Daikoku, K. *see* Yamada, K. 4—53335
Daikuhara, S. *see* Yamada, M. 4—57184
Daimao Lin *see* Lin Daimao
Daimon, M., Shinoda, M., Kubo, T. Focusing properties of gradient-index lens for laser-diode beam 4—47317
Daishu Chen *see* Chen Daishu
Daiwei Jiang *see* Jiang Daiwei
Dajiang You *see* You Dajiang
Dajko, G., Somogyi, G. Study of spot development around track- and electric-tree-induced perforations through an aluminized track detector 4—55881
Dajko, G. *see* Turek, K. 4—55880
Dake Zhang *see* Zhang Dake
Dakin, J.P., King, A.J. Limitations of a single-optical-fibre fluorimeter system due to background fluorescence 4—52573
Dal Degan, N. *see* Canavesio, F. 4—32716
Dal Degan, N. *see* Castellino, P. 4—32501
Dal Molin, R. *see* Ripart, A. 4—49256
Dal Mut, G. *see* Barbero, V. 4—34576
Dal-Ho Im, Chan-O Kim A study on the analysis for the nonlinear magnetic flux distribution of a transformer by finite element method 4—45471
Dalal, H.M., Jaspal, J.S., Kapner, H.B. Ti/Cr_xO_y-Cr/Cu/Cr device interconnection metallurgy 4—30566
Dalal, H.M., Ting, C.Y. Ti-Cr-Al/Cu interconnection metallurgy to fabricate low and high barrier Schottky barrier diodes in VLSI chip 4—36491
Dalal, M.V., Ganpate, V.K. A new 275 class non-silicone micaceous insulation system 4—36969
d'Albaret, B. Recent advances in bulk wave crystal filters used in UHF 4—47157
Dalbayev, E.K. *see* Kamayev, R.R. 4—31756
Dalbey, J. A new look for dispatch communications 4—38467
Dalby, A.E. *see* Meiners, E.P. 4—61910
Dalby, D. Power MOSFETs improve generator performance 4—58920
Dalby, D.H. Low cost voltage controlled oscillator 4—41230
Dalby, D.H. Low cost high resolution power frequency meter 4—61436
Dale, A.K. The analysis of gear noise excitation 4—55773
Dale, B.G. Evaluating the effects of quality circles 4—50574
Dale, B.G. *see* Plunkett, J.J. 4—45994
Dale, R. *see* Momsen, B.F. 4—49708
Dale, V.A., Krishan, Z.P., Paegle, O.G. Iterative methods of solving dynamic problems for electric power systems of great dimensions 4—62144
Daletskii, G.S., Dorokhina, T.P., Kagan, M.B., Koltun, M.M., Kuznetsov, V.M., Orshanskii, I.S., Smirnov, V.B. Optical and metrological characteristics of solar elements on board the Venera spacecraft 4—57341
Daletskii, G.S. *see* Lidorenko, N.S. 4—55714
Daley, R. *see* Miller, A. 4—53066
Dalgoutte, D.G. *see* Wright, S. 4—59201
Dallas, I.N., Spratt, E.B. *(editor)* Ring Technology Local Area Networks. Proceedings of the IFIP WG 6.4. University of Kent Workshop 4—50327
Dallavale, C. CMOS logic—is it heading for the end of TTLs? 4—46422
Dalle, B. Dimensioning and aging of connections used on overhead-line conductors 4—34197
Dalle Mese, E. *see* Corsini, G. 4—47707
Dallen, J.A. *see* Smith, C.J. 4—52249
Dalleur, P., Delogne, P. Simple techniques for reducing transmitted bit-rates in digital television 4—38766
Dalliard, F. *see* Hess, F. 4—57441
Dallos, A., Pitman, L.C. Indirect measurement of temperature of a coated particle cathode of spherical geometry 4—39348
Dalmasso, J., Maria, H., Hachem, A., Ardisson, G. Energy and intensity of X-ray and gamma photons from ^{144}Ce 4—39435
Dalmatov, A.D. *see* Abramovich, Yu.I. 4—53238
Dalmia, M. *see* Rawat, B. 4—41568, 4—51523
Dalryample, W.B. An M principle—pay me now or spend more later [aircraft and weapons systems] 4—49368
Dalrymple, E.E. Low-insertion-force hyperboloid connectors 4—36121
Dalsass, L.-J. Magnetic field emission measurements and prediction models for switch-mode power supplies 4—59817
Dalton, C. Comb filter PAL decoders: The PAL colour signal—can it be decoded? 4—32946
Dalton, F.N., Rawlins, D.S., Rhodes, J.S. Time-domain reflectometry: simultaneous measurement of soil water content and electrical conductivity with a single probe 4—61940
Dalton, J. *see* Warter, P.J. 4—41510
Dalton, J.C., Arce, G.R., Allebach, J.P. Error diffusion using random field models 4—53850
Dalton, J.V. *see* Orlowsky, K.J. 4—36881
D'Altorio, A. *see* Paoletti, D. 4—53106
D'Alvano, F. *see* Gonzalez, G. 4—37994
Daly, J. *see* Thompson, A. 4—55956
Daly, J.C. *see* Jeung, V.C. 4—54830
Daly, J.D. Multi-tenant shared telecommunications benefits both tenants and the service provider 4—48021
Daly, P. Finite element approach to propagation in elliptical and parabolic waveguides 4—37702
Daly, P. Cosmos revisited: the USSR VHF satellite navigation system 4—54909
Daly, P., Tits, D. Proposed novel technique for the measurement of antenna gain in satellite earth-stations 4—38518
Daly, R.C. *see* Tan, Z.C.H. 4—58950
Dam, A.S., Rutland, L., Naughton, M.D. Characterization of low level radwaste volume reduction installations 4—49689
Damany, H. *see* Moutard, P. 4—39182
Damaskos, N.J., Mack, R.B., Maffett, A.L., Parmon, W., Uslenghi, P.L.E. The inverse problem for biaxial materials 4—42833
Dambit, V.A. *see* Bychkov, B.N. 4—61045
Dambkes, H., Brockerhoff, W., Heime, K. Improved performance of micron and submicron gate GaAs MESFETs due to high electron concentrations ($n=10^{18}$ cm^{-3}) in the channel 4—30653
Dambkes, H., Brockerhoff, W., Heime, K. GaAs—MESFETs with highly doped (10^{18} cm^{-3}) channels: an experimental and numerical investigation 4—36060
Dambkes, H., Brockierhoff, W., Heime, K., Ploog, K., Weimann, G., Schlapp, W. Optimisation of modulation-doped heterostructures for TEGFET operation at room temperature 4—51823
Dambkes, H. *see* Loreck, L. 4—36623
Damelincourt, J.J., Bellon, B., Salon, J., Guilhem, D. Experimental set up for the study of the electrical characteristics of high pressure discharges supplied by current or voltage sources driven by microprocessor 4—62799
Damen, T.C. *see* Duguay, M.A. 4—59474
Damen, T.C. *see* Miller, D.A.B. 4—53055
Damen, T.C. *see* Wood, T.H. 4—38655
Damgov, V.N. Non-autonomous self-excited oscillating system as a two-pole device with controllable parameters 4—35671
Damian, K. *see* Benko, M. 4—56226
D'Amico, A., Fortunato, G., Petrocco, G., Coluzza, C. Transport properties of a Pd/insulator/a-Si:H Schottky diode for hydrogen detection 4—33229
D'Amico, A., Grilli, A., Paoletti, A., Paroli, P., Tucciarone, A. Doped yttrium iron garnet for thermistor-bolometers 4—39180
D'Amico, A. *see* Fortunato, G. 4—36338
D'Amico, N. *see* Brown, D. 4—49747
Damljanovic, D. A fast charger for nickel cadmium cells 4—62610
Dammann, G., Holland, M., Heim, M. Supervision of systems which have been temporarily shut down [communication systems] 4—54525
Dammann, H. Synthetic digital-phase gratings—design, features, applications 4—59623
Dammann, R.E. *see* McCargo, M. 4—44817
Damme, E.van *see* van Damme, E.
Dammertz, G. *see* Holmes, A.J.T. 4—44668
Damodara Das, V., Karunakaran, D. Thermoelectric studies on semiconducting Ag_2Te thin films: temperature and dimensional effects 4—58761
Damodara Das, V., Vaidehi, S. Semiconducting behaviour of thin bismuth films vacuum-deposited at different substrate temperatures 4—36253
Damon, D.H., Ezrin, M., Gruchawka, S. Electrical properties of oven aged cable insulations based on XLPE and EPR 4—36944
Damon, D.H. *see* Roto, M.A. 4—30873
D'Amore, M., Daniele, V., Ghione, G. New analytical approach for computing DC unipolar corona losses 4—49584
D'Amore, M. *see* Cristina, S. 4—48716
D'Amore, M.J., Oberst, D.J. Microcomputers and mainframes: a marriage of effectiveness 4—48264
Damper, R.I. *see* Burgess, N. 4—42149
Damsker, D.J. Distributed control messages, their security and efficiency 4—62070
Damzen, M.J., Hutchinson, M.H.R. Pulse compression in a phase-conjugating Brillouin cavity 4—53072
Dan, P.A. *see* Dascalu, D. 4—47003
Danai, B. *see* Lavers, J.D. 4—35049
Danan, H. *see* Andra, W. 4—36990
Danbury, T., Allen, G. Small area networks using serial data transfer. IV. I^2C bus with multiple masters 4—38292
Dance, B. Fundamentals in the design of power amplifiers. Quality circuits with power darlingtons 4—41207
Dance, B. Applications of the Wiegand effect 4—42283
Dance, B. Antenna development for deep space communications 4—44068
Dance, B. Controlling satellite footprints 4—48551
Dance, B. Suppression of voltage peaks 4—49638
Dance, B. National Semiconductor LM1035 4—58177
Dance, B. Injection laser diodes: a review 4—59542
Dance, B. World-wide satellite communications. I 4—60769
Dance, J. Curving electrons [Hall effect devices] 4—36531
Dance, M. Chart recorders and X-Y plotters—going digital 4—44541
Dance, M. Acquiring fast signals with waveform transient recorders 4—44542
Dancy, J.H. *see* Marrs, C.D. 4—37515
Danda, R. *see* Edwin, K.W. 4—34121
Dandawate, V.D., Kowsalya Frequency stability and reproducibility of iodine stabilised He-Ne laser at 633 nm 4—52913
Dandekar, A.J., Moore, G.L. CRT displays in air transport cockpits—experience to date 4—49422
Dandekar, N., Smith, P.M., Chao, P.C., Hwang, J.C.M. High yield deep UV lithographic process for 0.5 μm GaAs microwave devices and circuits 4—58543
Dandine, A. *see* Dei-Cas, R. 4—33762
Dandlikker, R., Pellaux, J.-P. Fibre optics: prospects for our industry? 4—48487
Dandonneau, J.M. *see* Attal, J. 4—34002
D'Andrea, N.A., Russo, F. First-order DPLLs: a survey of a peculiar methodology and some new applications 4—29717
Dandridge, A., Cole, J.H., Giallorenzi, T.G., Bucaro, J.A., Sigel, G.H., Jr., Burns, W.K. Recent advances in fiber-optic sensors 4—52623
Dandridge, A. *see* Frigo, N.J. 4—31113
Dandridge, A. *see* Koo, K.P. 4—55648
Danek, M. Smith diagram on TI-57 4—41170
Danek, Z. *see* Toufar, O. 4—62050
Danen, J.A., Greenberg, R. Optimized precompensation circuit 4—41317
Daners, F. The HP-41C/CV learns Morse 4—37837
Danesh, P., Georgiv, St., Jahn, U. Glow discharge deposition of chlorinated and hydrogenated amorphous silicon films from $SiCl_4$-SiH_4 4—35507
Danesh, P., Kaschieva, S.B. Hydrogen passivation of the implantation defects in MOS structures 4—36473
Danesh, P. *see* Kashchieva, S. 4—41940
Dang, G., McCrae, G.G. Hydrogenerator insulation maintenance practices 4—36941
Dang, R. *see* Sekine, M. 4—36520
Dang Van Mien, H., Normand-Cyrot, D. Nonlinear state affine identification methods: applications to electrical power plants 4—34244
Dangel, J. Microelectronics replace precision engineering [custom circuit developments] 4—29755
Dangel, J., Wiedemann, W. Development of customised integrated circuits—a concrete example 4—35712
Dangel, J., Wiedemann, W. Development of customer-specific circuits—solution of the problem for a particular case 4—42084
d'Angelo, S. *see* Bacci, C. 4—39410
Dangla, J. *see* Dubon, C. 4—36814
Dangla, J. *see* Palmier, J.F. 4—36322
Dangoisse, D., Depannemaecker, J.C., Monnanteuil, N. The optically pumped ozone laser 4—59433
Dangoisse, D. *see* Lefebvre, M. 4—42522
Danicki, E. Effective surface impedance: description of the electro-mechanical properties of piezo-electric substrate 4—52334
Daniel, D. *see* Rein, H.-M. 4—54512
Daniel, J. Can fax shake-off its poor image? 4—48046

Daniel, R.S. *see* Gela, G. 4—34726
Daniel, S. *see* Hoenig, S.A. 4—36416
Daniel, S.W. *see* Hoenig, S. 4—50506
Daniel, S.W. *see* Hoening, S. 4—30494
Daniel, T., Jankowski, S. On properties of large simple cubic networks with random RC admittances 4—29606
Daniel, T.E. *see* Janssen, C.T.L. 4—50624
Daniele, V. *see* D'Amore, M. 4—49584
Daniele, V.G., Orefice, M. Dyadic Green's function in bounded media 4—31625
Danieley, N. *see* Johnson, G.A. 4—49157
Daniels, A., Jacimovic, S.D. An analytical method for predicting the performance of a rail transit power system 4—56540
Daniels, A.R. *see* White, B.A. 4—56987
Daniels, B. The architecture of the Lisa personal computer 4—35860
Daniels, E. *see* Donakowski, T. 4—49660
Daniels, H.A.M. *see* Delil, A.A.M. 4—44815
Daniels, R.R., Margaritondo, G., Quaresima, C., Capozi, M., Perfetti, P., Levy, F. GaSe-Ge: A 'Schottky-like' heterojunction 4—58777
Daniels, R.R. *see* Quaresima, C. 4—46862
Daniels, W.D. *see* Potter, B.R. 4—52420
Danielson, L. *see* Saunders, M. 4—34951
Danielson, L.R. *see* Shapiro, E. 4—36304
Danielson, L.R. *see* Wolff, L.R. 4—40496, 4—40510
Danielsson, P.E., Tanimoto, S. Time complexity for serial and parallel propagation in images Tanimoto, S. (Dept. of Electrical Engng., Linkoping Univ., Linkoping, Sweden) 4—53860
Danikas, M.G., Pearmain, A.J. Breakdown processes at the interface of a biaxially orientated polypropylene tape/oil insulation system 4—30831
Danikas, M.G., Pearmain, A.J. The effect of partial discharge on a uniaxially orientated polyethylene/oil insulation system 4—62203
Danikov, A.E. *see* Vasin, B.L. 4—55281
Danila, N., Stan, N., Ionescu, D.C. Simulation of the fuel elements, for their optimization 4—34363
Danil'chenko, V.G. *see* Gaybullayev, S. 4—52077
Danil'chenko, V.G. *see* Grigo'ev, B.I. 4—36316
Danil'chenko, V.P., Kashchei, V.A., Pospelov, L.A. Checking the accuracy characteristics of pulsed laser range finders with fiber light guides 4—54907
Danileiko, M.V., Fal', A.M., Shpak, M.T., Yatsenko, L.P. Frequency-modulated resonances in gas laser radiation with intraresonator nonlinear absorption 4—52922
Danileiko, M.V., Yatsenko, L.P. Influence of 'flight' effects on the characteristics of nonlinear resonances of ring lasers 4—53025
Danileiko, Yu.K., Lebedeva, T.P., Manenkov, A.A., Sidorin, A.V. Nonlinear absorption and self-defocusing of intense IR-laser radiation in semiconductors due to generation of free carriers 4—42723
Danilevich, O.I. *see* Gerodes, G.A. 4—62720
Danilevich, S.B. Systems approach to estimating rejection probabilities in checking means of measurement 4—55136
Danilevich, S.B. *see* Tsibina, A.A. 4—33076
Danilevich, V.V., Kvachenok, V.G. Analysing mechanism for formation of timer error in sampling and storage integrators 4—35993
Danilevich, V.V., Kvachenok, V.G. Precision integrating sampling-storage device 4—61318
Danilevich, Ya.B., Glazenko, A.V., Karymov, A.A. Calculation of stress-strain state of rotor winding in turbogenerator with superconducting excitation winding 4—34583
Danilevich, Ya.B. *see* Glebov, A.I. 4—44939
Danilochkin, V.P. *see* Nikitin, A.I. 4—32482
Danilov, A.V., Mel'nikov, A.K. Pulse-position modulator for a microwave spectrometer 4—51051
Danilov, L.V., Zyusse, R., Konnik, S.I. Equivalent star-delta transform for the nonlinear case and small input signals 4—35602
Danilov, P.E., Ivanov, M.N., Leshin, O.G. Numerical modelling of an induction drive with pulse control in the rectified current circuit of the rotor 4—50125
Danilov, S.N., Pokhoriler, V.L., Vlasov, A.P., Fiskind, E.E. Regulating resuperheated steam temperature during 500 MW power unit starts 4—40098
Danilov, V.I. Models of group choice (a survey) 4—35357
Danilov, V.P. *see* Ageev, V.P. 4—59679
Danilov, V.V., Eremenko, A.S., Lan'kova, S.M., Savel'ev, D.A., Stepanov, A.I. Active media based on dyes in polymer matrices 4—59454
Danilov, V.V., Kolesov, N.V., Shumskii, A.E. Functional diagnosis of digital systems 4—41270
Danilov, V.V. *see* Zapol'skii, A.G. 4—51641
Danilov, Yu.P. *see* Vorob'ev, G.A. 4—36923
Danilova, V.I. *see* Maier, G.V. 4—42512
Danilovic, D. *see* Jovanovic, A. 4—35367
Danilychev, V.A. *see* Adushkin, A.V. 4—42559
Danilychev, V.A. *see* Averin, A.P. 4—42549, 4—59390, 4—59451
Danilyuk, V.S., Zelenev, Yu.V., Belyaev, O.F. A/D converter—D3-28 microcomputer interface 4—61284
Danjou, D. Analysers and simulators for data transmission: the second generation 4—38152
Dankai, A. System-oriented treatment of establishing mobile radiotelephone networks 4—60381
Dankberg, M., Iltis, R., Saxton, D., Wilson, P. Implementation of the RELP vocoder using the TMS320 4—53560
Danke, E. Bildschirmtext development perspectives as seen by the German Post Office 4—54265
Danko, J.C. Igscc—recent experience reviewed [BWRs] 4—56776
Dan'ko, V.G., Milykh, V.I Commutation parameters of an electric motor with armature winding brought out into gap 4—62546
Dan'ko, V.G., Yantovskii, L.I., Miroshnichenko, A.G., Berzin, E.K. Electrodynamic transients in an electric machine superconducting magnetic system 4—45395
Danko, V.G., Yantovskii, L.I., Miroshnichenko, A.G., Berzin, E.K. Electrodynamic transients in the superconducting magnetic system of an electrical machine 4—40194
Dankoff, W. Experience with photovoltaic pump systems in the field gives installers practical design guidelines for shallow and deep-well applications 4—34495
Dankova, I.S. *see* Tsenter, B.I. 4—45608
Danks, D. Keeping up the good OSI protocols work 4—43761
Dankward Althoff, F. Quo vaditis, sensores? [sensors: present trends] 4—55480
Danly, B.G., Evangelides, S.G., Temkin, R.J., Lax, B. A tunable far infrared laser 4—59422
Danly, B.G. *see* Byerly, J.L. 4—41772
Dann, M.S. Linear displacement measurement 4—55450
Dann, R.T. Machines that look for trouble 4—29285
Danna, R. *see* Landauer, E.G. 4—62333
Danneels, J., Meinck, M. Methodologies for full custom VLSI design 4—52167
Dannetun, H.M., Petersson, L.-G., Soderberg, D., Lundstrom, I. A hydrogen sensitive Pd-MOS structure working over a wide pressure range 4—33225
Dannheim, H., Oel, H.J. The strength of technical porcelain for high-voltage insulators under dynamic and cyclic loads 4—42202
Danno, J.B., Lemaire, A., Genet, B. MT 20/25: switching exchanges adapted to meet international market requirements 4—54519
Dannwolf, S. *see* Schurig, C. 4—54952
Dansas, P., Charlec, J.-P. Existence of ≃64-meV deep acceptor in Se-implanted GaAs after close-contact annealing 4—42029
Dansky, A.H., Savale, M.M., Schettler, H. Voltage booster 4—30056
Dansky, A.H. *see* Balyoz, J. 4—29789
Dansui, Y. *see* Suzuki, T. 4—55434
Dante, H.M. On the problem of dimensionality and sample size in multi-stage pattern classifiers 4—53920
Danthine, A. *see* Encarnacao, J. 4—32412
Dantzig, G.B. Reminiscences about the origins of linear programming 4—46169
Danzeisen, K. Overload monitoring for RF test receivers 4—38433
Danzer, J., Sneberger, J. Universal thyristor locomotive for CSD 4—50149
Dao, M., Labetoulle, J. Modelling of a node-to-node window flow control in a store-and-forward network 4—48282
Dao Khac An An approximate method for determining the segregation coefficient of the boron drive diffusion in oxidizing ambients 4—36437
Dao Wang *see* Wang Dao
Dao-fa Lin *see* Lin Dao-fa
Daoqun Deng *see* Deng Daoqun
D'Aoust, J., Cobb, K., Creedon, R., Franklin, L., Lucas, B., Miller, P., Peuron, A. Development of a modular electromagnetic launcher system for the Air Force armament laboratory 4—42799
Daout, M. *see* Bennerot, G. 4—32661
Dapkus, P.D. Epitaxial processes for multilayer electronic device structures 4—41043
Dapkus, W.D., Bowe, T.R. Planning for new electric generation technologies—a stochastic dynamic programming approach 4—56503
Dar, A. Atmospheric neutrinos and astrophysical neutrinos in proton decay experiments 4—33737
Darakchiev, I.S. *see* Hillen, M.W. 4—30464, 4—59061
Darbo, G., Heck, B., Rossi, L. A three-dimensional ripple trigger for the DELPHI time projection chamber 4—33648
Darbo, G., Rossi, L., Spinolo, E., Torcello, E., Vitale, S. Romulus compatible asynchronous time and amplitude pad acquisition system 4—55983
Darbo, G. *see* Benso, S. 4—33641
Darby, B.J. *see* Gray, K.W. 4—46517
Darby, D.B. *see* Plastow, R. 4—52994
Darby, E.S. Electric motor rewinding should maintain or enhance efficiency 4—56948
Darby, J., Thomas, W., Claiborne, E., Smith, P., Walker, S. Technical methods to optimize protection against sabotage and theft 4—35263
Darces, J.F. *see* Merigoux, H. 4—35564
Darche, M. *see* Carlqvist, S.G. 4—40560
Darcis, L. *see* De Man, H. 4—36897
D'Arcy, A.J. COMNET: a custom PBX/LAN design 4—32350
D'Arcy, J.L. *see* Fichtner, W. 4—30699
Darden, W.E. So you want to buy a new telephone system? 4—54511
Dardo, M., Navarra, G., Morello, C. Development of directional Cherenkov counters 4—33671
Darevskii, A.S. *see* Belyaev, S.A. 4—40446
Dario, P., De Rossi, D., Domenici, C., Francesconi, R. Ferroelectric polymer tactile sensors with anthropomorphic features 4—48892
Darkani, M. *see* Bhattacharyya, B.B. 4—35686
Darkani, M.T. *see* Bhattacharyya, B.B. 4—46371
Darkin, J. Why small dishes? [satellite earth stations] 4—44056
Darkin, J. Why small dishes? [satellite communications] 4—54651
Darling, G.D. *see* Lahaie, I.J. 4—39718
Darlington, H.T., Trefny, F.J., Schulte, R.P., Wollenberg, B.F., Gross, D.P., Hayward, D. Problems associated with mature control centers 4—56459
Darlington, J.N. Digital tuner control 4—61007
Darmenko, Yu.P., Ivanov, B.N. Testing high-precision angle-to-code measurement transducers 4—55417
Darmo, A. Reliability of technological equipment in hydroelectric engineering 4—49797
Darnell, M., Marvin, A.C. Potential EMC problems in the design of secure communication systems 4—31712
Darnell, M., Marvin, A.C., Honary, B. Intermodulation product processing for nonlinearity analysis 4—37682
Darnell M. Speech digitisation techniques 4—31940
Darr, J. Service clinic: TV tuner and IF amplifier troubles 4—44224
Darr, J. Service clinic [microprocessors and VCRs] 4—44283
Darr, J. Electrostatics and electronics 4—59772
Darriulat, P. *see* Beer, A. 4—61682
Darthou, J. Experimental commercial services implementations, initial results and perspectives 4—48171
Darveniza, M., Uman, M.A. Research into lightning protection of distribution systems. II. Results from Florida field work 1978 and 1979 4—45158
Darwin Keynes, R. Advanced technology in the body 4—44760
Darwish, M., Board, K. Lateral resurfed COMFET 4—42051
Darwish, M., Board, K. Minimisation of on-resistance in DMOS transistors 4—47061
Das, A.K., Bhattacharyya, S. Optimum conditions for fusion splicing of optical fiber 4—59241
Das, B.K. *see* Singh, N.P. 4—40454
Das, B.K. *see* Singh, S.N. 4—58716
Das, B.N., Bhattacharyya, A.K., Ramakrishna, J., Seshagiri Rao, K.V. Alternate method of impedance measurement in microwave frequency band 4—44586
Das, B.N. *see* Chakraborty, A. 4—31741
Das, B.N. *see* Koon, N.C. 4—30951
Das, J. Application of microprocessors in data networks 4—54374
Das, J., Dasgupta, P. Some views on curriculum and training of manpower in electronics and telecommunication engineering 4—45845
Das, J.C. Oscillations due to synchronous motors driving reciprocating compressors 4—49859
Das, K., McClelland, S., Butcher, J.B. Improvement of crystalline quality of the surface layer in buried implanted oxide structures by silicon implantation 4—41962
Das, M.B., Krishnaswamy, S.V., Petkie, R., Swab, P., Vedam, K. Electrical characteristics of RF-sputtered CdTe thin-films for photovoltaic applications 4—50065
Das, M.B., Stach, J., Tressler, R.E., Grubbs, W.H. A comparison of HCl- and trichloroethylene-grown oxides on silicon 4—30541
Das, M.B. *see* Chaudhuri, S. 4—52116
Das, N.P. *see* Neelakantaswamy, P.S. 4—44711
Das, P., Tabib-Azar, M., Davari, B., Everson, J.H. Characterization of mercury cadmium telluride using nondestructive transverse acoustoelectric voltage measurements 4—51788
Das, P. *see* Davari, B. 4—36489
Das, P. *see* Saulnier, G.J. 4—32669
Das, P. *see* Scott Moore, J. 4—51777
Das, P. *see* Sulnier, G.J. 4—35974
Das, P.K. *see* Milstein, L.B. 4—37950
Das, P.K. *see* Rosenmann, M. 4—38444
Das, R. *see* Kirkham, H. 4—62175
Das, R. *see* Logie, S. 4—35823
Das, S., Englefield, C.G., Goud, P.A. Modal noise and distortion caused by a longitudinal gap between two multimode fibers 4—37091
Das, S.K. *see* Bahl, L.R. 4—53546
Das, S.K. *see* Chang, C.F. 4—59134
Das, S.K. *see* Maitra, A. 4—47615

Das, S.R., Sridharan, R., Sidhu, J.S. A stable electrometer amplifier for space-borne instruments 4−55364
Das, U. *see* Bhattacharya, P.K. 4−51782
Das, V.Damodara *see* Damodara Das, V.
Das, Y., McFee, J.E., Chesney, R.H. Time domain response of a sphere in the field of a coil: theory and experiment 4−56272
Das, Y. *see* McFee, J.E. 4−48726
Das Gupta, C. *see* Tomar, R.S. 4−36014, 4−51521
Das Gupta, M.J. *see* Sengupta, N. 4−31641
Das Sarma, S. Electron-phonon interaction and screening effects in quasi-two-dimensional electron systems 4−51907
Das-Gupta, D.K. *see* Doughty, K. 4−59091
Dasari, R.R. *see* Thomas, J.E. 4−47408
D'Asaro, L.A., Kohl, P.A., Wolowodiuk, C., Ostermayer, F.W., Jr. Via GaAs FETs connected by photoelectrochemical plating 4−36624
Dascalu, D., Brezeanu, G., Suciu, M., Dan, P.A. Changes in breakdown characteristics of planar Al/n-Si Schottky diodes during the postmetallization heat treatment 4−47003
Dasch, C.J. Spatially resolved soot-absorption measurements in flames using laser vaporization of particles 4−42752
Daser, W. *see* Parris, M. 4−49038
DasGupta, A. *see* Aarons, J. 4−47616
DasGupta, A. *see* Maitra, A. 4−47615
Dasgupta, D. *see* Ghosh, B. 4−49860
Dasgupta, P. *see* Das, J. 4−45845
Dash, G. Thorough ESD testing prevents digital-device field failures 4−57812
Dash, P.K. *see* Hammad, A.E. 4−57215
Dash, S., Spielberg, A.C. Process for making self-aligned doped regions for storage structures 4−42099
Dasheev, S.O. *see* Venikov, V.A. 4−44995
Dashevskii, M.L. Design of conditionally optimal filters based on optimal nonlinear filtering equations 4−60014
Dashevskii, Z.M. *see* Gel'fgat, D.M. 4−58757
Daskalakis, A. Private business networks: learning by doing 4−44059
Daskalov, I.K. *see* Levkov, C. 4−44759
Daskam, S.W. The nonlinear junction detector 4−33298
Dassel, K. *see* Hubing, N. 4−32430
Dassel, K.A., Chou, W., Nilsson, A.A. Routing table update epoch in packet-switching networks 4−38174
Dassen, W.R.M., Brugada, P., Wellens, H.J.J. Computer simulation in clinical electrophysiology 4−49251
d'Assumpcao, H.A., Mountford, G.E. An overview of signal processing for arrays of receivers 4−37916
Dat, R. *see* Lau, K.M. 4−50772
Datamanti, E. *see* Serre, B. 4−36382
Datei, C. *see* Da Deppo, L. 4−45333
Datong Hu *see* Hu Datong
Datskevich, N.P., Karlov, N.V., Kuz'min, G.P., Nesterenko, A.A., Sisakyan, E.V. Optical density of infrared substances for pulsed CO_2 lasers in large irradiated spots 4−59449
Datsko, V.S. *see* Antipov, Yu.M. 4−61731
Datta, A., Ghosh, S. Synthesis of a class of deadlock-free Petri nets 4−57924
Datta, A.K. A polar form of adaptive array processor 4−31785
Datta, A.K. *see* Daw, A.N. 4−47051
Datta, K.K. *see* Seth, R.L. 4−34830
Datta, L., Morgera, S.D. Efficient principal component extraction for feature selection 4−38092
Datta, L., Morgera, S.D. Comments and corrections on 'On the eigenvectors of symmetric Toeplitz matrices' 4−47835
Datta, O.P., Aggarwal, S.L. Case history of 1000 MW Dehar Power Plant−Beas Sutlej Link Project 4−62438
Datta, P.K., Gupta, P.D., Nijhawan, O.P., Hradaynath, R. Influence of temperature on the MTF of cascaded image-intensifier tubes 4−48737
Datta, S. Reflection and mode conversion of surface acoustic waves in layered media 4−59123
Datta, S. *see* Kolodziejski, L.A. 4−35471, 4−58015
Datta, S. *see* Martin, S.J. 4−30933
Datta, S. *see* Schwartz, S.S. 4−59116
Datta Chowdury, S.N. A survey on automatic test equipment (ATE) 4−48713
Datta Gupta Subhasish, Sotin, V.E. Slow solitary waves in an infinite ladder line with an active cubic nonlinearity 4−53248
Dattilo, W. *see* Drucker, H. 4−38331
Dattoli, G., Letardi, T., Madey, J.M.J., Renieri, A. Considerations about the Lawson-Penner limit and FEL operation by single-pass devices 4−47376
Dattoli, G., Letardi, T., Madey, J.M.J., Renieri, A. Lawson-Penner limit and single passage free electron lasers performances 4−52852
Dattoli, G., Richetta, M. FEL quantum theory: comments on Glauber coherence, antibunching and squeezing 4−47397
Dattoli, G. *see* Walsh, J. 4−59377
Daubney, C. Independent Local Radio and acoustics−the reality 4−54929
Daubney, C.P. Some factors in the evaluation of image quality. A British view [television] 4−44214
Daudet, H.C. *see* Wann-Joe Sun 4−49768
Daugan, G., Noailly, P., Wiest, S. Pseudo hangover synthesis 4−43494
Daugherty, D. *see* Row, J. 4−60484
Daugherty, R.H. *see* Connors, D.P. 4−34971, 4−57036
Daughtrey, H.T., Schamp, C.A., Daggett, P.W. Verification and validation−the key to operating plant software reliability 4−49683
Daum, M., Frosch, R., Jost, B. ACHAT, a beam transport system with very high acceptance 4−49059
Dauphin, J. Selection and control of materials for space applications 4−44793
Daura, F. Applications of optocouplers. III 4−31237
Daura, F. What is an isolating amplifier? 4−35660
Daura, F. Transmission of digital signals 4−51081
Daut, D.G. Application of new rational rate convolutional codes to image transmission 4−32297
Dautenhahn, T. Failure modes of wound electrical coils in wet environment with voltage stress 4−36096
Dautremont-Smith, W.C. *see* Chen, M.C. 4−36087
Dautremont-Smith, W.C. *see* Swaminathan, V. 4−31372
Dautremont-Smith, W.C. *see* Wilt, D.P. 4−52984
Davall, P.W. *see* Puri, D. 4−34805
D'Avanzo, D., Taylor, T. An evaluation of deep UV lithography for 0.5 μm microwave GaAs ICs 4−58542
Davari, B., Tabib-Azar, M., Lee, K.I., Das, P., Mendel, E., Miller, D.A. Nondestructive evaluation of generation lifetime and surface generation velocity and the effect of etching, polishing and annealing on 5″ Si wafer surface properties 4−36489
Davari, B. *see* Das, P. 4−51788
Davarian, F. High performance digital communications in mobile channels 4−60725
Davat, B., Lajoie-Mazenc, M., Hector, J. Magnetic structure and feeding circuit modelling 4−34608
Dave, M.J. Computerised information management for printed circuit board production 4−46689
Davenport, J.S., Laczko, L. Head/disk assembly tester autocalibrator 4−40846
Davey, C.L. *see* Chalcroft, J.P. 4−41792
Davey, J.E. *see* Christou, A. 4−36037
Davey, K.R., Montgomery, J.P., Barnes, W.J. The use of the conjugate gradient technique in electromagnetic problems 4−59692
Davey, K.R. *see* Barnes, W.J. 4−31745
Davias, N. *see* Griffin, D.W. 4−61836
David, B. *see* Rogalla, H. 4−37066
David, D. *see* Pigache, D. 4−51698
David, E. *see* Eichhorn, K.F. 4−56144
David, F.F. *see* Martin, F.D. 4−57794
David, J. *see* Procaccia, H. 4−62327
David, J. *see* Wazzan, A.R. 4−62326
David, P. *see* Bognar, A. 4−56648
David, R.A. Detection of multiple sinusoids using a parallel ALE 4−53749
David, S.K. *see* Balwe, T.K. 4−33730
David, S.S., Sackett, L.L. A simulator to study dynamic interaction of the Space Shuttle on-orbit flight control system with deployed flexible payloads 4−44854
David, T., Hubin, T., Zehl, O., Price, M. New concepts for Bragg cell efficiency improvement 4−52727
Davidchuk, G.A., Pashkevich, V.I., Fetisov, V.V. Analysis of separate effects of slot leakage field damping and voltage drop under the brushes on commutation of AC machines 4−49902
Davidenko, A.A. *see* Grokhol'skii, Ya.M. 4−48005
Davidenko, V.A., Lebedev, A.N., Miroshnichenko, V.P., Rogozhin, A.M., Somov, S.V. Inert-gas purification system for an 8-m streamer chamber 4−55975
Davidmann, S.J. *see* Harris, R.L. 4−58276
Davidoff, M.R. Satellite experimenter's handbook 4−57695
Davidovici, S. *see* Jiang, Q. 4−37953
Davidson, A., Hiben, B. Measurement and analysis of corner reflector back lobe levels 4−59855
Davidson, A., Kugel, L.E. Distributed logic temperature circuit 4−51137
Davidson, A. *see* DeLuca, J.C. 4−47222
Davidson, B.J., Holmes, J., Merrick, D. A comparison of combined power generation cycles using coal: an overview 4−34441
Davidson, E.G. The control of hydroelectric plant 4−45355
Davidson, H.L., Friedland, S.S. An approach to real time holography 4−59620
Davidson, I., Jenkins, G. Computer Based Message Systems 4−48044
Davidson, I. *see* Brown, K. 4−55814
Davidson, J.S. Integrating videotex with the personal computer 4−54182
Davidson, K. *see* Kearney, D.W. 4−40138
Davidson, N.T. *see* Williams, T.L. 4−55164
Davidson, R.C. *see* Davies, J.A. 4−31281
Davidson, R.C. *see* Johnston, G.L. 4−31282, 4−31608
Davidson, R.F. *see* Fox, W.E. 4−42787
Davidson, S. *see* Cleobury, D. 4−54054
Davidson, S.A., Thiele, G.A. A hybrid method of moments-GTD technique for computing electromagnetic coupling between two monopole antennas on a large cylindrical surface 4−37716
Davidyuk, N.Yu. *see* Garbuzov, D.Z. 4−52819
Davies, A.C. *see* Odintsov, B.V. 4−53338
Davies, A.R. *see* Baker, C.J. 4−52906
Davies, A.V. *see* Middleton, B.K. 4−42270
Davies, B.H. *see* Hazell, M.S. 4−38126
Davies, B.M. *see* Brown, M.S. 4−49738
Davies, D., Moses, A.J. A novel method of reducing iron losses in power transformer cores 4−62581
Davies, D.H. 3M optical storage media 4−44272
Davies, D.H., Davis, D.H. The effective use of electric boosting in glassmaking furnaces 4−57657
Davies, D.H. *see* Lu, S. 4−47233
Davies, D.K. Charge injection into insulating liquids 4−59074
Davies, D.K. *see* Yen, Y.T. 4−30234
Davies, D.R.G. *see* Elburn, A.J. 4−47984
Davies, D.R.H. Protocols for local area networks 4−43825
Davies, E. Single chip signal conditioning 4−61315
Davies, G.J., Andrews, D.A. The growth of high purity GaAs by molecular beam epitaxy in diffusion pumped systems 4−41063
Davies, G.J., Andrews, D.A. The effect of As_4 overpressure on the incorporation of In into $Al_{1-x}In_xAs$ grown on (100) InP by molecular beam epitaxy 4−58031
Davies, G.J., Heckingbottom, R., Andrews, D.A. The influence of growth conditions on sulfur and selenium incorporation in $Ga_{1-x}Al_xAs$ grown by molecular beam epitaxy 4−50758
Davies, G.J., Kerr, T., Tuppen, C.G., Wakefield, B., Andrews, D.A. The growth and characterization of nominally undoped $Al_{1-x}In_xAs$ grown by molecular beam epitaxy 4−50763
Davies, G.J. *see* Prior, K.A. 4−29492
Davies, G.J. *see* Tuppen, C.G. 4−51988
Davies, G.J. *see* Wake, D. 4−52120
Davies, J. A general-purpose message system gateway 4−54156
Davies, J.A., Davidson, R.C., Johnston, G.L. A comparison of theoretical models and physical mechanisms of the free electron laser instability 4−31281
Davies, P., Hammond, J.K. Envelope modelling of impulse response functions of systems having a high modal density 4−60096
Davies, P.A., Ghani, F.A. The application of optical fibres to local area ring networks 4−54432
Davies, P.A., Greenhalgh, P. Direct-frequency shift keying of a semiconductor laser by acoustic waves 4−53007
Davies, P.A. *see* Pung, H.K. 4−48206
Davies, P.B., Ferguson, A.H., Hamilton, P.A., Amyes, T.L., van Laere, I.M.R. Assignment and frequency of $C^{18}O_2$ pumped FIR laser lines in $^{12}CH_3F$ using infrared diode laser spectroscopy 4−59434
Davies, P.B. *see* Anacona, J.R. 4−59421
Davies, P.D. *see* Jayne, M.G. 4−57208
Davies, P.J. *see* Coneski, A.F. 4−30229, 4−40843
Davies, P.W. *see* Pande, K.P. 4−41091
Davies, R. *see* Cullen, G. 4−35274
Davies, R.A., Dean, C.C., Pepper, M. Weak localization and interaction effects in two dimensions 4−51901
Davies, T.A. Satellite-based private network is a major project 4−48022
Davies, T.A. Bechtel's satellite network 4−48448
Davies, W.M. Displays in intensive medicine 4−33799
Davio, M., Desmedt, Y., Fosseprez, M., Govaerts, R., Hulsbosch, J., Neutjens, P., Piret, P., Quisquater, J.-J., Vandewalle, J., Wouters, P. Analytical characteristics of the DES 4−53436
Davio, M., Quisquater, J.-J. Contemporary evolution in cryptographic techniques 4−60343
Davio, M. *see* Baudet, G.M. 4−50911
Davis, A. *see* Bohlander, R.A. 4−44917
Davis, A.M., Small, W.T. Switched-capacitor ICs simplify filter design 4−46557
Davis, A.M. *see* Hirschhorn, S. 4−42110, 4−52248
Davis, B.R., Bogner, R.E. Propagation at 500 MHz for mobile radio 4−48391
Davis, B.R. *see* Ko, K.-T. 4−53967
Davis, B.W., Dreze, C., Waksberg, A. A Schottky barrier diode detector and laser diagnostic system for the FIR 4−39193
Davis, C. MOSFIT: a system for modelling and characterizing MOS devices 4−36903
Davis, C. Probing for the perfect contacts 4−45957
Davis, C. *see* Amantea, R. 4−36530

Davis, C.R., Lee, W.Y., Chen, M., Ito, H. Subbing layer surface energy effects on the writing and degradation characteristics of Te and Te-alloy optical recording media 4—47234
Davis, D.B., Ming Kuo, Lowenthal, F. On a lower bound for electrostatic capacitance 4—47647
Davis, D.D. Optimizing an inservice inspection program plan 4—49679
Davis, D.E., Kilpert, R.A. Electron beam registration channel with auto-zeroing circuit 4—30487
Davis, D.H. *see* Davies, D.H. 4—57657
Davis, E.J. *see* Stout, K.J. 4—39365
Davis, G.D. *see* Byer, N.E. 4—30560
Davis, H.A. *see* Masui, R. 4—55712
Davis, J.A., Holdridge, D.B. Factorization using the Quadratic Sieve algorithm 4—53429
Davis, J.E. *see* Nolt, I.G. 4—39710
Davis, J.H. *see* Vogel, W.J. 4—31639
Davis, J.I. *see* Emmett, J.L. 4—53125
Davis, J.R. *see* Hopper, G.F. 4—42154
Davis, J.S., Young, W.W. Cogeneration in the oil field 4—56820
Davis, J.S. *see* Foster-Pegg, R.W. 4—56855
Davis, J.W., Olsen, C.O., Tyson, G.S., Jr., Rankin, J.S. Recent improvements in pulse transit sonomicrometry 4—56106
Davis, J.W. *see* Heller, L.G. 4—51167
Davis, K.C. An overview of environmental test specification 1958-83 4—35285
Davis, L.C. *see* Feldkamp, L.A. 4—47898
Davis, L.M., Harvey, J.D., Peart, J.M. Rate equation simulation of a synchronously pumped dye laser 4—42586
Davis, L.S. *see* Hakalahti, H. 4—53889
Davis, L.W. *see* Patsakos, G. 4—59715
Davis, M.E., Pehlert, W.K., Jr. Evaluation of No.1 PSS congestion control strategies 4—48288
Davis, M.F., Jr., Gupta, O.R. Enhanced cooling package using serpentine walls and counter air flow 4—45980
Davis, M.H. *see* Tomkins, G. 4—42007
Davis, P.J. *see* Ushida, N. 4—56030
Davis, P.R. *see* Swanson, L.W. 4—30250
Davis, Q.V., Martin, D.J.R., Haining, R.W. Microwave radio in mines and tunnels 4—60681
Davis, R. UK leads the world in fibre optic systems and components 4—32801
Davis, R. Glass fibre in the network 4—54770
Davis, R. *see* Myers, C. 4—60008
Davis, R. *see* Shirley, M. 4—29757
Davis, R.B. *see* Kearney, D.W. 4—40138
Davis, R.D. *see* Lee, C.F. 4—29587
Davis, R.E., Jr., Westkamper, M.J., Johnson, R.H. A full-featured design for solid state, microprocessor-based three phase motor controls 4—56947
Davis, R.H., Stout, S.J. A charge limit model for the charging of aerosol particles by free electrons 4—53183
Davis, R.M. *see* Mulcare, D.B. 4—49376
Davis, R.M. *see* Ray, W.F. 4—62751
Davis, R.O. *see* Borsari, G.R., Jr. 4—48600
Davis, S.J. Interhalogen lasers 4—52923
Davis, S.V. *see* Beech, J.C. 4—33598
Davis, T.D., Limaye, D.R. Conservation analyses face problems [energy management] 4—34030
Davis, W.F., Vyne, R.L. A monolithic p-channel JFET quad operational amplifier 4—51015
Davis, W.R. *see* Chow, T.S. 4—32559
Davison, A. *see* Fry, J.P. 4—34396
Davisson, L.D. Sliding block codes for the binary symmetric source 4—43154
Davisson, R.J. *see* Strausz, S.C. 4—39466
Davoli, F. Team decision theory and the control of a communication channel 4—31858
Davoli, P. *see* Sardi, L. 4—34894
Davydenko, V.V. *see* Popov, A.S. 4—53658
Davydenko, V.V. *see* Popovskiy, V.V. 4—37799
Davydov, A.A. *see* Veselov, V.M. 4—39714
Davydov, I.B. *see* Tovarnitskii, A.V. 4—43031, 4—43944
Davydov, V.A. Radiation of electromagnetic waves in inhomogeneously and nonstationarily moving media 4—42838
Davydov, V.A. Transition scattering of velocity waves from stationary sources of the electric and magnetic fields 4—59734
Davydov, V.E., Efremov, I.A., Levinshtein, M.L., Lyskov, Yu.I., Pod'yachev, V.N., Tugulev, V.N. Switching control in high percentage limitation of surges 4—45170
Daw, A.N., Datta, A.K., Ash, M.C. A suggested method for the determination of the charge density in the interfacial layer of a Schottky-barrier MIS diode 4—47051
Daw, E. Determine the accuracy of loss measurements 4—39286
Dawalibi, F., Baishiki, R.S. Power frequency performance of transmission line structure grounds 4—56671
Dawar, A.L., Kumar, A., Kumar, P., Mathur, P.C. Field-effect studies on *p*-type $CuInTe_2$ metal-insulator-semiconductor structures 4—41910
Dawidowitsch Konson, J. Reliability aspects of large steam turbine rotors 4—45293
Dawkins, A.W.J. *see* Gabriel, C. 4—49002
Dawson, C. Headphone amplifier for musicians 4—61116
Dawson, D.E., Salib, M.J., Dickens, L.E. Distributed cascode amplifier and noise figure modelling of an arbitrary amplifier configuration 4—58531
Dawson, D.E. *see* Dickens, L.E. 4—58540
Dawson, D.E. *see* Henry, H.G. 4—52031
Dawson, D.E. *see* Lee, S.H. 4—52107
Dawson, G.E. *see* Eastham, A.R. 4—34967
Dawson, G.E. *see* John, V.I. 4—57474
Dawson, G.E. *see* Lakhavani, S.T. 4—62769
Dawson, G.E. *see* Pringle, D.M. 4—34983
Dawson, L.P. *see* Crowley, J.I. 4—33459
Dawson, L.R., Osbourn, G.C., Zipperian, T.E., Wiczer, J.J., Barnes, C.E., Fritz, I.J., Biefeld, R.M. High quality *p-n* junctions in InGaAs/GaAs strained-layer superlattices 4—51818
Dawson, L.R. *see* Ziperian, T.E. 4—36637
Dawson, S. *see* Jones, R. 4—50605
Day, A.C. *see* Geis, J.W. 4—34935
Day, A.C. *see* Lowe, V.E. 4—45640
Day, C.R. *see* Ainslie, B.J. 4—37111, 4—59197
Day, D.J., Middleton, G.W.R., Janes, T.W., White, J.C., Mifsud, V.J. Passivation and maskless processing with anisotropic etches in silicon 4—30542
Day, D.R., Lee, H.L., Senturia, S.D. Development of an implantable microdielectrometry sensor 4—61371
Day, G.W. Birefringence measurements in single mode optical fiber 4—59202
Day, G.W., Payne, D.N., Barlow, A.J., Ramskov-Hansen, J.J. Design and performance of tuned fiber coil isolators 4—31193
Day, G.W. *see* Chamberlain, G.E. 4—38652
Day, J.T. *see* Malone, M.J. 4—49564
Day, M.J. *see* Moore, W.R. 4—46506
Day, M.N., Miller, C.D., Saenz, G., Jr. Loadable program storage feature for an existing fixed program device 4—51210
Day, R.H. *see* Bartlett, R.J. 4—56045
Day, S. Planning for DBS: a time to improve NTSC picture quality 4—48566
Dayal, N. Power sources for defence applications 4—35065
Dayan, R. *see* Courault, J. 4—34987
Dayashankara, K.S. *see* Kosta, S.P. 4—54966
Daymond-John, B.E. *see* Healey, P. 4—37103
Dayong Zhu *see* Zhu Dayong
Daywitt, W.C. Design and error analysis for the WR10 thermal noise standard 4—37718
Daywitt, W.C. Error analysis for the use of presently available lunar radio flux data in broadbeam antenna-system measurements 4—60776
Dazey, M.H. *see* Koons, H.C. 4—47689
Dazheng Zhou *see* Zhou Dazheng
D'Cruz, R. The genesis of a dry type transformer 4—49929
De, D. *see* Chaudhuri, S. 4—58736
De, G. *see* Mangal, M. 4—50946
De, S.S. Effect of magnetic quantization on the Einstein relation in tetragonal semiconductors 4—46786
de Albuquerque, A.A., Lind, L.F. Timing extraction in partial response multi-h codes 4—43175
de Almeida, A.Traca *see* Traca de Almeida, A.
De Anda, F. *see* Joullie, A. 4—30514
de Assis Fonesca, S.B., Giarola, A.J. Microstrip disk antennas. I. Efficiency of space wave launching 4—53297
de Assis Fonesca, S.B., Giarola, A.J. Microstrip disk antennas. II. The problem of surface wave radiation by dielectric truncation 4—53298
de Backer, D. *see* de Buck, F.G.G. 4—34661
de Bakker, J.M.T., Janse, M.J., van Capelle, F.J.L., Durrer, D. An interactive computer system for guiding the surgical treatment of life-threatening ventricular tachycardias 4—44747
de Beauregard, Y. *see* Gourzerh, J. 4—30975
de Beek, F.J.Op *see* Op de Beek, F.J.
de Belleval, J.F. *see* Mercier, N. 4—50864
de Berg, J.van *see* van de Berg, J.
de Biasi, V. A look into real payoffs for combined cycle conversions 4—62414
de Boer, B.T., Mottram, K.G. Use of plain copper conductors in lieu of tinned-copper for internal cables 4—48373
de Boer, F.W.N. *see* Beer, W. 4—49102
De Boer, J., Bakry, S.H., Ackroyd, M.H. Comments, with reply, on 'Teletraffic analysis for single-call mobile radio' 4—38158
de Boer, J., de Jager, J.B. The trunking of radio channels in private mobile radio networks 4—38484
De Boer, R.W., Karemaker, J.M., Strackee, J. Comparing spectra of a series of point events particularly for heart rate variability data 4—44749
De Bonitatibus, A. Shielding effectiveness of pierced metallic enclosures in random fields 4—37600
De Bray, N. *see* Marsden, R.G. 4—39437
de Brichambaut, C.Perrin *see* Perrin de Brichambaut, C.
De Bruyn, K. Codes for asymmetric broadcast channel, generated by permutations 4—48555
De Bruyn, K., van der Meulen, E.C. An iterative code construction, and codes generated by permutations for the asymmetric multiple access channel 4—43188
de Bruyne, P. An ultrasonic radar graphic input tablet 4—38698
de Buck, F.G.G., Gistelinck, P., de Backer, D. A simple but reliable loss model for inverter-supplied induction motors 4—34661
de Callatay, B., Masri, Y.EL., Palffy, L., Pellegrin, P. A fast multiwire low-energy X-ray detector 4—61676
De Campos, A.J. A silicon photodiode based gas proportional scintillation counter 4—33691
de Carli, A. Steady state behavior of converter fed systems 4—57413
De Castro, E., Rudan, M. Integral-equation solution of minority-carrier transport problems in heavily doped semiconductors 4—46787
De Cata, L., Williams, J.S., Harrison, H.B. The generation of shallow dopant layers by low-angle implantation 4—58853
de Chambrier, G. *see* Beer, W. 4—49102
de Chateleux, W.L.F.H.A.Moize *see* Moize de Chateleux, W.L.F.H.A.
De Chelle, F. *see* Coulibaly, S.P. 4—51802
De Cicco, G. *see* Aprilesi, G.C. 4—61928
De Cosmo, V. Simple radiometer for long-term monitoring of atmospheric transmittance in the far IR 4—53223
De Cosmo, V. *see* Blanco, A. 4—59184
de Cremoux, B. *see* Hersee, S.D. 4—37381
de Cremoux, B. *see* Kazmierski, K. 4—41955
de Dios, R.Martin *see* Martin de Dios, R.
De Doncker, E., Robinson, I. An algorithm for automatic integration over a triangle using nonlinear extrapolation 4—57977
De Doncker, R. *see* Vangaever, F. 4—45789
De Ferra, P., Gagliardi, D., Muccini, M. Objectives and results from the emerging ISDN standards 4—48363
de Figueirdeo, R.J.P. *see* Tagare, H.D. 4—43377
de Figueiredo, R.J.P. Fast algorithms for spectral estimation and spline interpolation of non-bandlimited random signals 4—37988
de Figueiredo, R.J.P. *see* Brzustowicz, T.J. 4—60093
De Figueiredo, R.J.P. *see* Chen, T.C. 4—47902
de Figueiredo, R.J.P. *see* Studer, R.M. 4—33847
de Fine, M.J.Ohlson *see* Ohlson de Fine, M.J.
de Fornel, B., Bach, J.L., Hapiot, J.C., Pietrzak-David, M. Numerical speed control of a current-fed asynchronous machine by measurement of supply voltages 4—49886
De Fornel, B., Reboulet, C., Boidin, M. Speed control by microprocessor for an induction machine fed by a static converter 4—57029
de Fornel, F., Ragdale, C.M., Mears, R.J. Analysis of single-mode fused tapered fibre couplers 4—52572
De Fornel, F., Varnham, M.P., Payne, D.N. Finite cladding effects in highly birefringent fibre taper-polarisers 4—37107
de Fornel, F. *see* Facq, P. 4—52553
de Fornel, F. *see* Hussey, C.D. 4—37101
De Gasperis, P., Miccoli, G., Di Gregorio, C., Roveda, R. Slowly dispersive, short time delay line based on very thick liquid phase epitaxially grown yttrium iron garnet 4—31036
De Gasperis, P., Miccoli, G., Di Gregorio, C., Roveda, R. Magnetostatic band suppression at microwave frequency in triple-layered garnet films 4—42232
de Gasperis, P. *see* Tucciarone, A. 4—41844
de Gesu, V., Maccarone, M.C. The Bayesian direct deconvolution method: properties and applications 4—53346
de Geus, A.J. *see* Reed, J.B. 4—36782
De Giorgi, M., Gasparini, F., Meneguzzo, A.T., Pitacco, G. PDC: a wire chamber cathode read-out on 6-bit fast ADC 4—55294
De Gloria, A. *see* Antognetti, P. 4—30737
de Graaf, A.C., Nouta, R. Layout generation of PLA based circuits from a register transfer description 4—29811
De Graaf, S.R., Johnson, D.H. Optimal linear arrays for narrow-band beamforming 4—59888
de Grift, R.E.J.van *see* van de Grift, R.E.J.
de Groen, P.P.N., Hermann, M. Bidirectional shooting: a strategy to improve the reliability of shooting methods for ODE 4—41014
De Groot, A.W. *see* Card, H.C. 4—36323
de Groot, M.S. *see* Groenen, E.J.J. 4—57304
de Haart, L.G.J. *see* 't Lam, R.U.E. 4—37206
de Haas, A.P. *see* van der Borg, K. 4—33593
de Hagen, M., Devooght, J.-P. Boiler combustion optimization by controlling air/fuel ratio 4—62370
de Hodgins, O.C., Grebe, K.R., Romankiw, L.T. Polyimide curing by gamma ray irradiation 4—47088
De Hope, W.J., Ferguson, P.E., Schmitt, M.J. Field analysis and performance predictions of complex cavity gyrotrons 4—36210
De Jaeger, J.C., Kozlowski, R., Salmer, G. Expected performances of GaAlAs/GaAs double-velocity heterojunction impatt diodes 4—58521
De Jager, C.W. *see* De Vries, C. 4—55988

de Jager, J.B. *see* de Boer, J. 4—38484
De John, W. Telefacsimile in the Pacific Northwest 4—54161
de Jong, A. A closer look at interference signals 4—31683
de Jong, C. Viditel: the national strategy 4—48096
de Jong, D.A., Maas, A.I.R., den Ouden, A.H., de Lange, S.A. Long-term intracranial pressure monitoring 4—33796
de Jong, D.J. *see* Verbeek, P.W. 4—37940
De Julio, U., Scarini, R., Villani, F. Introduction of broadband networks: problems and perspectives in Italy 4—32196
De Keersmaecker, R.F. *see* Groeseneken, G. 4—30654
De Keersmaecker, R.F. *see* Hillen, M.W. 4—30464, 4—59061
de Keijser, Th.H. *see* Hendriks, M. 4—35510
de Keyser, R.M.C. Conventional and adaptive control strategies for hot water space heating systems 4—62829
de Klundert, L.J.M.van *see* van de Klundert, L.J.M.
de Kousemaeker, B.P. Reorganization of public utilities 4—56397
de L. Musgrove, A.R. A linear programming analysis of liquid-fuel production and use options for Australia 4—56719
de la Cruz, G.Gonzalez *see* Gonzalez de la Cruz, G.
de la Gandara, M.J.Otero *see* Otero de la Gandara, M.J.
de la Haye, C.H. Elementary EMI (electromagnetic interference) measurement 4—37602
de la Iglesia, R.Diaz *see* Diaz de la Iglesia, R.
De la Morena, G. *see* Azpilicueta, J. 4—49277
de la Puente, J.A. *see* Albertos, P. 4—39834, 4—56395
de la Rosa, R. *see* Frausto S., J. 4—45065
de la Sen, M., Paz, M.B. On the use of adaptive sampling in hybrid adaptive error models 4—59942
de la Torre, V. *see* Burk, D.E. 4—51748
De Lacy, J.C. *see* Yamaguchi, T. 4—30764
De Langarica Rivera, A. Storing programs on magnetic tape. III 4—31019
de Lange, S.A. *see* de Jong, D.A. 4—33796
de Langen, L.H. The solar lake-condensation tower system (SL/CT system) 4—40172
de las Heras, C. *see* Camblor, P. 4—44588
de Lavergne, J.-G.Devezeaux *see* Devezeaux de Lavergne, J.-G.
de Lezo, J.Suarez *see* Suarez de Lezo, J.
de Lima, E.P., Salete, M., Leite, S.C.P., Policarpo, A.J.P.L., Alves, M.A.F. Dead region time evolution and afterpulses development in SQS 4—33745
De Los Mozos, J.R. *see* Guerrero, A. 4—47987
de Luca, C.J., Mambrito, B., Broman, H. Decomposition of the myoelectric signal: an engineering problem with biomedical applications 4—56132
De Luca, F. Full-rotating frame NMR imaging 4—39550
de Luca, P.O. Self-adaptive baseband equalizers for digital microwave links 4—43963
de Lucia, F.C. *see* Matteson, W.H. 4—59420
de Luna, A.Bayes *see* Bayes de Luna, A.
De Man, H., Darcis, L., Bolsens, I., Reynaert, P., Dumlugol, D. A debugging and guided simulation system for MOS VLSI design 4—36897
De Man, H. *see* Jain, R. 4—58464
De Man, H. *see* Zinszner, R. 4—36887
De Man, H.J. *see* Claesen, L.J.M. 4—51430
de Marca, J.R.B. *see* Wong, F. 4—43806
De Marchi, A., Bava, G.P. On cavity phase shift in commercial caesium-beam frequency standards 4—61487
De Marchi, A., Rovera, G.D., Premoli, A. Pulling by neighbouring transitions and its effects on the performance of caesium-beam frequency standards 4—61488
De Marco, N. *see* Bressani, T. 4—33695, 4—39427
De Maria, G., Marino, P. An adaptive pulse width modulator for control of DC drives 4—57433
De Maria, G. *see* Balestrino, A. 4—57405
de Marillac, M.Donker *see* Donker de Marillac, M.
De Martinis, U., Gagliardi, F., Mangoni, V., Rossi, F. Steady-state electric power system modelling, including a HVDC link 4—62044
De Martinis, U. *see* Carpinelli, G. 4—57275
De Maziere, M., Bouwen, A., Schoemaker, D. Fast and continuous cross-correlation measurements of a double synchronously pumped mode-locked dye laser system 4—31464
De Meirleir, K. *see* Block, P. 4—49241
De Mesmaeker, I., Reinhard, S., Frey, F. Universal distance protection for distribution systems 4—45124
De Mey, G. *see* Martens, J.P. 4—50921
De Meyer, K. *see* Declerck, G. 4—36845
De Micheli, G., Sangiovanni-Vincentelli, A. Computer-aided synthesis of PLA-based finite state machines 4—35771
De Micheli, G., Santomauro, M. Topological partitioning of programmable logic arrays 4—35773
De Micheli, M. Nonlinear interactions in $LiNbO_2$ guides 4—37472
De Micheli, M., Zyss, J., Azema, A. Possibilities of optically nonlinear thin films 4—37442
de Miquel, I.Alegre *see* Alegre de Miquel, I.
de Moor, H.H.C. *see* Bloem, J. 4—35477
de Moor, H.H.C. *see* Hanssen, J.H.L. 4—35478
De Moraes, L.F.M., Rubin, I. On the performance of gated and exhaustive polling under unbalanced traffic 4—32128
de Moraes, L.F.M., Rubin, I. Message delays for a TDMA scheme under a nonpreemptive priority discipline 4—53959
De Mori, R., Cardin, R. Iterative parallel multipliers based on multiplexers 4—53977
De Mori, R., Gilloux, M., Mercier, G., Simon, M.A., Tarridec, C., Vaissiere, J., Gillet, D., Gerard, M. Integration of acoustic, phonetic, prosodic and lexical knowledge in an expert system for speech understanding 4—53573
De Muer, D., Malcorps, H. The frequency response of an electrochemical ozone sonde and its application to the deconvolution of ozone profiles 4—39705
de Nancay, S. Energy savings in refrigeration installations and transport. II 4—35059
de Oliveira, J.C., Origa, L.C.de O., Resende, J.W., Cogo, J.R. Phase control and three-phase harmonic calculations for thyristor controlled reactor compensators 4—57294
de Oliveira, P.Guedes *see* Guedes de Oliveira, P.
de Oliveira Brizida, J. TDF in Brazil: present views 4—60548
de Oro, A.Goicolea *see* Goicolea de Oro, A.
de Paor, A.M., O'Malley, M.J., Ollivier, D. Parameter identification and passive control of a wind-driven permanent magnet alternator system for heating water 4—45404
De Paor, D.G. An instrument for teaching clinometry 4—56261
De Pascale, O. *see* Dell'Erba, M. 4—53045
de Passoz, G., Andry, J.-P. Digital transmission in 2-wire cable distribution network: alternating technique 4—32490
de Paulet, M.Crastes *see* Crastes de Paulet, M.
De Pauw, P., Mertens, R., Van Overstraeten, R., Jain, S.C. On the injection level dependence of the minority carrier lifetime in defected silicon substrates 4—46802
De Pauw, P., Mertens, R., Van Overstraeten, R., Leuven, K.U. Study of the effective grain boundary recombination velocity under different injection levels 4—51749
de Pavert, C.A.P.W.van *see* van de Pavert, C.A.P.W.
de Penquer, Y. *see* Dei-Cas, R. 4—33762
De Pietra, G. *see* Rangoni, F. 4—49240
de Pillis, J. *see* Chin, R.C.Y. 4—40989
de Plassche, R.J.van *see* van de Plassche, R.J.
de Poel, J.A.van *see* van de Poel, J.A.
de Polder, L.J.van *see* van de Polder, L.J.
De Pra, U., Crappe, R.G., Jadin, V. A static changeover switch controlled by microprocessor in an uninterruptible power supply 4—34808
de Prunele, G. UDS 10-64 urban data transmission system 4—48293
de Queiroz, A.C.M., Caloba, L.P. Symmetrical RLC filters: an alternative to low sensitivity 4—35937
de Queiroz Orsini, L. Parameter estimation in a simple experiment: the resonant circuit revisited 4—29157
de Quiros, J.Gonzalez Bernaldo *see* Gonzalez Bernaldo de Quiros, J.
de Regge, P., Boden, R. Review of chemical separation techniques applicable to alpha spectrometric measurements 4—55995
de Reuver, J.L., ten Kate, H.H.J., Knoopers, H.G., van de Klundert, L.J.M. DC and AC behaviour of a normal joint in a superconducting cable 4—39884
de Reuver, J.L. *see* ten Kate, H.H.J. 4—62572
de Rijke, J. New vacuum process demand trends in semiconductor sputter-coating applications 4—50812
de Robien, E. *see* Encarnacao, J. 4—32412
de Rocha, J.R.F., O'Reilly, J.J. New performance evaluation techniques for optical communications 4—44136
De Roo, J., Oosterlinck, A. Table-driven architectures for real-time image processing 4—53862
de Roode, W.H., van de Pavert, C.A.P.W. Annealing effects and charge compensation mechanism in calcium-doped $Y_3Fe_5O_{12}$ films 4—42235
de Roos, A. *see* Gough, P.T. 4—38691
de Rosa, J.M. *see* Gellon, H. 4—39749
De Rossi, D. *see* Dario, P. 4—48892
de Rothschild, E.L. Overview of hydro-electric power 4—34491
de Roux, S. *see* Diaz Arencibia, P. 4—37241
de Ruiter, R. *see* Groenen, E.J.J. 4—57304
De Sabata, I., Frankel, D. On some uniqueness theorems of stationary electromagnetic fields 4—59690
de St. Croix, N.L. *see* Ramshaw, R.S. 4—34957
De Saint Louvent, B. *see* Maurin, T. 4—34533
De Saja, J.A. *see* Jimenez, J. 4—37197
De Sario, M. Effects of a lossy thin plasma-film on metal-diffused $LiNbO_3$ optical waveguides 4—59191
de Schryver, F. *see* Ebbeni, J.P.L. 4—42730
De Serio, R., Ruff, G.A., Wing, W.H. Two-mode multiline laser stabilization using a Fabry-Perot filter under analog and digital computer control 4—31454
de Silva, J. Hex display 4—48926
de Silva, J.Gomez *see* Gomez de Silva, J.
De Silvestri, S., Laporta, P., Svelto, O. The role of cavity dispersion in CW mode-locked lasers 4—42578
De Silvestri, S., Laporta, P., Svelto, O. Analysis of quarter-wave dielectric-mirror dispersion in femtosecond dye-laser cavities 4—53027
De Simone, S. *see* Biagini, M. 4—47384
De Smedt, R. Dielectric resonator inside a circular waveguide 4—30075
de Smith, M. Electronic messaging techniques and integrated systems 4—43911
de Sola Pool, I Who needs the bandwidth? 4—54078
de Sousa, P.T. *see* Huang, J.W. 4—32577
de Souza, P.V. *see* Bahl, L.R. 4—53546
De Souza, V.C.M., Croll, J.G.A. Vibration tests of thin-cylindrical shells 4—33547
de Souza Leao, J.Lopes *see* Lopes de Souza Leao, J.
de Souze, M.M.Campello *see* Campello de Souze, M.M.
de Souze, R.M.Campello *see* Campello de Souze, R.M.
de Talens, A.F.Perez *see* Perez de Talens, A.F.
De Temple, T.A. *see* Rosenberger, A.T. 4—42690
de Urquijo, J. *see* Alvarez, I. 4—44677
De Vasconcelos, A.Viegas *see* Viegas De Vasconcelos, A.
de Vecchis, M., Hulin, J.P. Overview of the cylindrical grooved structure 4—32835
de Velde, J.C.van *see* van de Velde, J.C.
de Velde, J.C.Van *see* Van de Velde, J.C.
de Ven, J.van *see* van de Ven, J.
De Verdiere, R. The use of telecommunication satellites for multiservice digital networks 4—38166
de Visschere, P. *see* Vandendriessche, L. 4—40443
De Vittor, P. An emerging sphere: special purpose single chips 4—58361
De Vittor, P. Components for telephony 4—60388
de Vittorelli, J. *see* Heilmann, W. 4—48064
de Vos, J.A. Information: The brick has become the foundation [computers as vital equipment rather than calculation aids] 4—54347
De Vries, A.E. *see* Sanders, F.H.M. 4—46943
De Vries, C., De Jager, C.W., Lapikas, L., Luijckz, G., Maas, R., De Vries, H., De Witt Huberts, P.K.A. The 500 MeV electron-scattering facility at NIKHEF-K 4—55988
de Vries, C. *see* Donne, A.J.H. 4—56032
De Vries, H. *see* De Vries, C. 4—55988
De Vries, H.B. A comparative study of ADI splitting methods for parabolic equations in two space dimensions 4—29422
de Vries, L. *see* Donne, A.J.H. 4—56032
de Vries, R.G.M.Penning *see* Penning de Vries, R.G.M.
de Vrieze, H.M. *see* Khoe, G.-D. 4—52558
de Vroedt, C. *see* Remijn, J.C.C.M. 4—43111
de Waard, H. *see* Pancholi, S.C. 4—39491
De Wachter, G. *see* Cohen, R. 4—54569
De Wachter, G. *see* Ertelt, R. 4—54561
De Weghe, H.Van *see* Van De Weghe, H.
de Wendt, G. *see* Brandt, E. 4—56649
de Wiele, F.van *see* van de Wiele, F.
de Wiele, F.Van *see* Van de Wiele, F.
de Wit, N. *see* Groenen, E.J.J. 4—57304
de Wit, R.P., Kaizer, A.J.M., Op de Beek, F.J. Numerical optimization of the cross-over filters in a multiway loudspeaker system 4—44337
De Witt Huberts, P.K.A. *see* De Vries, C. 4—55988
de Witt Huberts, P.K.A. *see* Distelbrink, J.H.J. 4—33666
de Wolf, L. *see* Aubert, A.E. 4—33819
de Xivry, E.Orban *see* Orban de Xivry, E.
De Zhang *see* Zhang De
de Zilwa, L.G.Sisouw *see* Sisouw de Zilwa, L.G.
de Zorzi, G. *see* Bertino, M. 4—61694
De Zutter, D. *see* van Bladel, J. 4—53155
De-fu Su *see* Su De-fu
De-Hong Ling *see* Ling De-Hong
De-lin Li *see* Li De-lin
De-ning Wang *see* Wang De-ning
De-ren Wang *see* Wang De-ren
De-sen Chen *see* Chen De-sen
De-xiang Bi *see* Bi De-xiang
Deacon, D.A.G., Billardon, M., Elleaume, P., Ortega, J.M., Robinson, K.E., Bazin, C., Bergher, M., Velghe, M., Madey, J.M.J., Petroff, Y. Optical klystron experiments for the ACO storage ring free electron laser 4—52829
Deacon, D.A.G. *see* Billardon, M. 4—47383
Deacon, D.A.G. *see* Elleaume, P. 4—42500, 4—47382
Deacon, J. *see* Baker, R. 4—44531
Deacon, J.M. *see* Lewis, M.F. 4—47164
Deadrick, D.S. *see* Griffin, D.W. 4—53498

Deak, I., Hoffer, J., Mayer, J., Nemeth, A., Potecz, B., Prekopa, A., Strazicky, B. Optimal daily scheduling of electricity production in Hungary 4—34110
Deakin, S. *see* Walker, M.J. 4—60951
Dean, A.J. *see* Charalambous, P.M. 4—39424
Dean, A.S. *see* Wells, T.B. 4—44604
Dean, C.C. *see* Davies, R.A. 4—51901
Dean, C.C. *see* Powell, T.G. 4—36350
Dean, G.C. Doorbell for the deaf 4—30042
Dean, J.M. 2 GHz emergency communications restoration system 4—32665
Dean, J.M. Planning for emergencies [radio communication] 4—60662
Dean, J.R., Chiu, N. Indirect measurement of thorium-228 and radium-224 by high resolution alpha spectrometry 4—56004
Dean, P.J. *see* Skolnick, M.S. 4—36263
Dean, R.A. *see* Lenox, T.L. 4—48196
Dean, R.K. *see* Rodman, S.M. 4—35175
Dean, T.E., Hill, R.H. Portable printer for severely handicapped children 4—49289
Dean, W. *see* Sata, T. 4—55325
Deans, C.D.P., Jennings, J.P., Lewis, C., McRae, I. Transmittance measurements of thermal imaging lenses 4—52752
Deans, N.D., Miller, A.J. System reliability simulation 4—35345
Dearlove, R. Teletext adaptor 4—54206
Deason, G.A. *see* Nuckols, M.L. 4—61830
Deaton, I.V. *see* Butler, D.E. 4—56238
Deb, S., Mukherjee, M.K., Ghosh, B. Magnetic field assisted bonding of prefabricated grid to a Cu_2S-CdS solar cell 4—34878
Deb, S.K. The status of Advanced Photovoltaic R&D at the Solar Energy Research Institute 4—45668
Debaille, S. *see* Lubacz, J. 4—48280
Debany, W.H. *see* Hartmann, C.R.P. 4—41287
Debarge, G. *see* Gallion, P.B. 4—42688
Debban, W. *see* Chung, H.-Y. 4—62556
Debeauvais, M., Ralarosy, J., Tripier, J., Jokic, S. Reactions of 10- and 16.7-MeV per nucleon ^{238}U on ^{238}U, ^{208}Pb, ^{197}Au and ^{12}C recorded within 'SSNTD' 4—55943
deBelin, M.J., Hart, G., Richman, C.D., Robinson, J.M. The use of high capacity digital radio in the BT network 4—32256
Debias, G. Optical and electric characterisation of mercury sulfide mixed films 4—41840
Debnath, R.C. *see* Hasan, M.Q. 4—51372
Debney, C.W., Stewart, R.D. Algorithms for the fast prediction of intermodulation spectra 4—37834
Debowski, J., Fulczyk, K. Thyristor cascade for rotational speed control of a feed-water pump motor 4—45438
Debreczeni, G. The illumination of living houses 4—45732
Debroux, M.H. *see* Ged, P. 4—30557
DeBrunner, K.E. Microprocessor based antenna control unit meets a wide variety of applications 4—55289
Debrunner, K.E. Microprocessor based antenna controller demonstrates flexible remote control of telemetry antenna systems 4—55290
Debrunner, W.E. Wave propagation at 50 to 1000 megacycles 4—47586
Debs, A.S. Role of conservation and solar energy in Kuwait's energy formula 4—34266
Decarie, J. *see* Gariepy, L. 4—48645
Decarlo, R. Sensitivity calculations using the component connection model [for linear systems] 4—50915
Decarpigny, J.N. *see* Collard, D. 4—36687, 4—36733
DeCato, W. *see* Harvell, J.T. 4—35500
Decheng Liu *see* Liu Decheng
Decina, M. Evolution of communication technologies and systems 4—60309
Decken, C.B.von der *see* von der Decken, C.B.
Decker, D.K. *see* Fleck, G.W. 4—39870
Decker, D.K. *see* Lepisto, J.W. 4—34771
Decker, D.L., Hodgkin, V.A. Laser mirror operation at cryogenic temperatures 4—37412
Decker, F., Abramovich, M., Motisuke, P. Electroluminescence and photoluminescence of GaAs in aqueous redox electrolytes 4—46898
Decker, G. New developments in spray etching systems and etchant regeneration with copper recovery and in spray resist developing systems 4—52010
Decker, H. An elastic method of picture comparison exemplified by the automatic testing of aluminium parts 4—39128
Decker, H. *see* Paulson, R. 4—58615
Decker, J., Ruge, J., Atzert, U. Physical models and technological aspects of laser gas cutting 4—59664
Deckert, T. *see* Bojsen, J. 4—33858
Deckman, H.W. *see* Abeles, B. 4—58048
Deckman, H.W. *see* Yaakobi, B. 4—46905
Declerck, A.C. *see* Pfurtscheller, G. 4—49192
Declerck, G. Factors limiting performance in minimum geometry devices and circuits 4—47062
Declerck, G., Bosiers, J., Sevenhans, J., Van den Hove, L. A 3456 element quadrilinear CCD with depletion-isolated sensor structure 4—39079
Declerck, G., De Meyer, K., Dupas, L. MOS technology for VLSI 4—36845
Declerck, G.J. *see* van Gelder, I. 4—35945
Decoster, D. *see* Vilcot, J.P. 4—33306
DeCristofaro, D. *see* Ward, B.W. 4—49340
DeCristoforo, R.J. Environmental stress screening—lessons learned 4—47636
Dederichs, H. *see* Kliem, H. 4—48997
Dednev, P.V. *see* Demin, E.A. 4—33274
Dedrick, J.H. Multiport register file simplifies and speeds digital signal processing 4—41343
Dedushenko, K.B., Semenov, A.S., Smirnov, V.L., Shmal'ko, A.V. Matching methods for integrated-optics devices and fiber-optic communication lines (review) 4—31175
Dedyk, A.I., Prudan, A.M., Ter-Martirosyan, L.T. Electrical conductivity of metal-insulator-metal structures based on strontium titanate single crystals 4—58819
Deeds, D., Dunlap, S., Malpass, J. MM wave target signature collection 4—54887
Deekshatulu, B.L., Kamat, D.S. Data processing in remote sensing 4—61898
Deekshatulu, B.L., Krishnan, R. Basic research problems in remote sensing 4—61903
Deeley, E.M., Mitchell, A. Optimization of nonlinear clock recovery circuits for digital recording 4—42274
Deen, W.M. *see* Hume, E.C. 4—52210
Deerenberg, A.J.M. *see* Schonfelder, V. 4—33779
Dees, J.W., Wiltse, J.C. Recent developments in metal-oxide-metal detector technology 4—39192
Defee, I.H. Parallel processing of digital convolution using finite polynomial rings 4—60136
Deffin, P. *see* Brunel, F. 4—32194
Defosse, G. *see* Labart, A. 4—34806
Defranould, P. Bulk acoustic microwave delay lines: design, fabrication and performance 4—47165
Defranould, P. Surface acoustic waves bandpass filters on ZnO/Pyrex substrate with zero temperature coefficient 4—59122
Degan, N.Dal *see* Dal Degan, N.
Degen, R., Kupferschmid, U., Richner, W., Skinner, R. Experience gained from erection and commissioning of the 940 MW nuclear power plant at Leibstadt 4—62275
Degeneff, R.C. Advanced study techniques: tools for HVDC systems design 4—49583
Degens, A.J. Microprocessor controls heating-power unit. Synchronisation and parallel connection by microelectronics 4—40048
Deggendorf, S.E., White, R.M. Generation and detection of ultrasonic waves arising from resistive heating in functioning integrated circuits 4—52244
Deggim, D. *see* Weinzierl, K. 4—45291
Degil', B.G. *see* Koval'chuk, E.S. 4—34816
Degnan, J.R. *see* Fisher, R.K. 4—49801
DeGraffenreid, K.J., Evans, R.C. A plan for controlling electrostatic discharges on geosynchronous spacecraft 4—37524
DeGrauwe, M.G., Sansen, W.M.C. A synthesis program for operational amplifiers 4—51014
Degrauwe, M.G.R., Salchli, F.H. A multipurpose micropower SC filter 4—51416
Degrauwe, M.G.R., Sansen, W.M.C. The current efficiency of MOS transconductance amplifiers 4—50996
Degre, A. *see* Anderson, L. 4—55989
Degtyarev, C.V., Chernobai, I.A., Shatkovskii, A.I. Method of determining corrections to profile of flow of medium in ultrasonic flowmeters 4—49040
Degtyarev, V.F. *see* Belokurova, I.N. 4—30372
Deguchi, T., Katayama, H., Takahashi, A., Ohta, K., Kobayashi, S., Okamoto, T. Digital magneto-optical disk drive 4—52720
DeGumbia, M.J. New CONVEX energy management system is on-line 4—39806
DeHainaut, C.R. *see* Butts, R.R. 4—59661
DeHaven, P.W. *see* Walker, G.A. 4—58667
Dehmer, J.L. *see* Parr, A.C. 4—55993
Dei-Cas, R., Bardy, J., Courtain, A., Dandine, A., Gueguen, J.P., Jouy, P., Laget, J.P., Pottier, J., de Penquer, Y., Renaud, M. Improvement of the energy resolution of a time-of-flight neutron spectrometer by using a high energy RF buncher 4—33762
Dei-Svaldi, D., Vautrin, J.P. Programmable automata: behaviour in industrial surroundings 4—37611
Deighton, M.O. *see* Howes, J.H. 4—35651
Deimel, P.P. *see* Forrest, S.R. 4—59357
Deinega, V.P. *see* Kirianaki, N.V. 4—44454
Deinega, V.P. *see* Kirianiki, N.V. 4—55685
Deines, J.L. *see* Ahlgren, D.C. 4—36407
Deis, D.W., Scherbarth, D.W., Ferrentino, G.L. EMACK electromagnetic launcher commissioning 4—42786
Deiters, K. *see* Donat, A. 4—59675
Deitz, J.H., Patel, A.B. Sensor block for reducing temperature fluctuations 4—55409
DeJackmo, M.L. Electronic mail systems: where are they heading? 4—48031
Dejonckere, P.H., Lebacq, J. Damping coefficient of oscillating vocal folds in relation with pitch perturbations 4—43240
DeJule, R.Y. *see* Banerjee, S.K. 4—51987
Deka, B.K. *see* Izatt, J.R. 4—42573
Deka, P.K., Baishya, B. CdS thin-film transistor with Yb_2O_3 as the gate insulator 4—30633
DeKeersmaecker, R.F. *see* Stesmans, A. 4—30437
Dekhtyarenko, P.I., Turchanovskiy, A.N. Temperature criticality of a synchronous-detector harmonic analyzer 4—61310
Dekker, D.J. A new installation technique for optical fibre cable 4—52689
Dekowski, L. Automatic speech recognition by computer 4—47814
Del Bimbo, A. *see* Borghesi, P. 4—32073, 4—53928
Del Bimbo, A. *see* Cappellini, V. 4—43437
Del Campo, J. A digital simulator for voltages 4—46346
Del Campo, J. Measuring large currents with a digital multimeter 4—55619
Del Campo, J. An automatic control for a battery charger 4—57172
del Castillo, L.Garcia *see* Garcia del Castillo, L.
del Fiol, R. Development of telecommunications. The Brazilian experience 4—53995
Del Guerra, A., Perez-Mendez, V., Schwartz, G., Sleaford, B. High spatial resolution MWPC for medical imaging with positron emitters 4—33831
Del Guerra, A. *see* Bellazzani, R. 4—33818
Del Guerra, A. *see* Bellazzini, R. 4—49089
Del Guerra, A. *see* Hirayama, H. 4—39411
Del Guerra, A. *see* Lingel, K. 4—33683
Del Guerra, A. *see* Mulera, T. 4—33679
Del Maestro, G. *see* Carlevaro, M. 4—45812
Del Papa, C. *see* Brown, J.S. 4—39487
Del Pistoia, A., Giubilei, R., Mengali, U. A general model of jitter accumulation in a regenerative PCM chain 4—32632
Del Pizzo, A. *see* Pagano, E. 4—49889
del Pozo, F., Subias, M.P., Halberg, F., Burillo, V., Hermida, R.C. Microprocessor based system for self-measurement applications 4—49131
Del Re, E., Emiliani, P.L. Performance of a 60-channel digital transmultiplexer 4—32106
Del Re, E. *see* Benelli, G. 4—32704, 4—37921
Del Re, E. *see* Cappellini, V. 4—54521
del Rio, F.G., Roig, G. Nonlinear analysis of sine wave oscillators 4—58196
Del Valle El Cid, J.L. A new component of system TELEPERM M: the field multiplexer 4—32540
Del Vecchio, P., Veca, G.M. Eddy current computation in a superconducting electromagnetic pump 4—31086
Delacretaz, G. *see* Broyer, M. 4—59455
DeLacy, J.C. *see* Yamaguchi, T. 4—36829
Delage, D., Ernst, R. Prediction of current distribution in a rotationally symmetrical inductor intended for heating by MF and HF induction 4—57561
Delagebeaudeuf, D. *see* Linh, N.T. 4—58936
Delamarre, G. Sita: an added-value telecommunications network. II 4—38339
Delamarre, G. SITA—a value-added telecommunications system. I 4—43573
Delaney, A.J., Arcone, S.A. A large-size coaxial waveguide time domain reflectometry unit for field use 4—61893
Delaney, M.J., Yao, S.K. Wideband acousto-optic Bragg cell 4—52733
Delaney, M.J. *see* Stokes, R.B. 4—52424
Delange, M. 25 years of safety and health physics in reprocessing plants 4—39624
Delannoy, J., Guelin, M., Welicachew, L. News of IRAM 4—60943
Delapierre, G. *see* Chiron, G. 4—33231
deLarranaga, F., Bronzino, J.D. Square wave spectral estimates with application to the EEG analysis 4—49223
DeLassus, M.J. *see* Wright, R.E. 4—41670
Delatizky, J., Simon, S.R. Interpretation of myoelectric signals in gait 4—49231
Delaunay, M., Geller, R., Jacquot, C., Ludwig, P., Sermet, P., Rocco, J.C., Zadworny, F., Bergstrom, J.B., Hellblom, G., Pauli, R., Wilhelmsson, H. Large negative ions source for energetic neutral beams 4—61649
DeLavan, J. When is it time to go private? [satellite networks] 4—44047
Delayre, J.L. *see* Jensen, D.J. 4—61783
Delcan, J.L. *see* Lopez-Bescos, L. 4—49276
Delcros, Ph. *see* Anderson, L. 4—55989
Delderfield, J. *see* Llewellyn-Jones, D. 4—44519
Deleroi, W. Broken bar in a squirrel-cage rotor of an induction motor. II. Effects and detection 4—34638
Delescluse, P. *see* Le Brun, M. 4—30109
Delescluse, P. *see* Linh, N.T. 4—58936
Delescluse, P. *see* Mercy, J.M. 4—51843
Delfino, B., Denegri, G.B. Electric power system monitoring observability and bad data identification for state estimator 4—34086
Delfino, B., Denegri, G.B., Profumo, F., Valfre, L. Digital simulation of DC motor drives fed from thyristor converters: harmonic distortion effects on AC supply 4—57434
Delfour, A. *see* Guillame, B. 4—31525
Delgado, F.M. *see* Etayo, A. 4—49274
Delgado, J.C., Tribolet, J.M. Analog full-duplex speech scrambling systems 4—54103

Delgado-Penin, J.A., Minondo-Fominaya, R., Serrat-Fernandez, J. Power distribution supervisory control system by polling 4—56600
Delgado-Penin, J.A., Perez Molina, J. Error probability for partial response CPM with diversity for adaptable slow Rayleigh fading in Gaussian noise 4—38494
Delhez, R. *see* Hendriks, M. 4—35510
D'Elia, G., Leone, G., Pierri, R. Analysis of Fresnel field of a subreflector by an optimal use of FFT 4—31799
D'Elia, G., Leone, G., Pierri, R., Schirinzi, G. New method of far-field reconstruction from Fresnel field 4—37712
Delil, A.A.M., Daniels, H.A.M. Uniaxial model for gas-loaded variable conductance heat pipe performance the effects of vapour flow friction and inertia 4—44815
Delisle, C. *see* Jerominek, H. 4—59287
Delisle, C. *see* Vallee, R. 4—52729
Delisle, G.Y., Angers, D., Ahern, J., Gregoire, M. Measurements and statistical modeling of electromagnetic noise at UHF frequencies 4—61522
Deliyannis, T. *see* Fotopoulos, S. 4—51421
Deliyannis, T. *see* Skodras, A.N. 4—41494
Dell, J., Kalkur, T.S., Meglicki, Z., Nassibian, A.G., Hartnagel, H.L. Au-Ge-Ni migration affected by operating conditions of GaAs FETs 4—47055
Dell, J., Kalkur, T.S., Meglicki, Z., Nassibian, A.G., Hartnagel, H.L. Some new concepts of heat-flow spreading in GaAs FET structures 4—52108
Dell, R.M., Hooper, A., Jensen, J., Markin, T.L., Rasmussen, F. Technico-economic assessment of batteries for electric road vehicles 4—45613
Dell, W.R.Van *see* Van Dell, W.R.
Della Toree, E. *see* Torfeh-Ishfahani, M. 4—29395
Dellacasa, G. *see* Bressani, T. 4—33695, 4—39427
Delle Site, A. *see* Miguel, M. 4—56007
Deller, B. The integrated services digital network (ISDN) 4—54450
Deller, J.R. *see* Paarmann, L.D. 4—37912
Deller, J.R., Jr. On the identification of AR systems excited by periodic signals of unknown phase 4—53619
Dell'Erba, M., De Pascale, O., Esposito, C., Lepore, M. A simple method for detecting the time profile of a CO_2 laser pulse using a methyl-methacrylate plate 4—53045
Dell'Orso, M. *see* Amendolia, S.R. 4—49068
Dell'Uomo, S. *see* Baroni, G. 4—55870
Delmas, C. *see* Levasseur, A. 4—62686
Delmonte, R., Mian, G.A., Tisato, G. A text-to-speech system for Italian 4—53503
Delogne, P. *see* Dalleur, P. 4—38766
Delon, X. *see* Benbassat, G. 4—53484
Delori, F.C. *see* Rogers, F.J. 4—58306
Delorme, C. *see* Bermond, J.C. 4—50664
Delosme, J.-M. *see* Peng-Huat Ang 4—53592
Delp, G.S. *see* Warter, P.J. 4—41510
Delpierre, P. *see* Brand, C. 4—33639
Delrue, J.P. *see* Liehr, M. 4—46972
Delsanti, M. *see* Adam, M. 4—33553
Delsarte, P., Genin, Y., Kamp, Y. Parametric Toeplitz systems 4—57963
DeLuca, J.C., Chi, C.C., Tsuei, C.C., Davidson, A. Size effects in Pb-alloy Josephson junctions 4—47222
DeLuca, M. Plating copper circuits on ceramic substrates 4—46748
DeLuca, W., Biwer, R., Tummillo, A., Yao, N. Charge characteristics of Ni/Fe traction cells 4—40421
Delunas, A., Maxia, V., Spano, G. On the analysis of complex thermoluminescent spectra 4—42474
Delurio, T. Transmitter-receiver pair sends wideband video over low-cost fiber link 4—60845
Delves, L.M. *see* McKerrell, A. 4—41020
Dely, Z. *see* Sallai, G. 4—53955
Deman, P. Application prospects of the AMRC frequency hopping technique with digital cellular networks 4—43982
Demange, A., Cariou, J.-M., Dugas, J., Martin, L. Characterization of the angular aperture of step index fibres 4—47244
Demange, J.-P. *see* Millet, C. 4—32568
DeMar, P.J. *see* Overstrom, A.R. 4—45024
Demarest, D.M. *see* Fink, J.L. 4—49972
Demarest, K., Plourde, J.K. An optimum combination of power levels and combiner weighting for generating 64-QAM from three 4-PSK signals 4—37827
DeMarinis, B.D. Fiber optic applications in the Korea Improvement Program 4—32815
Demars, M. Practical determination of 90° phase-splitting digital broad-band network 4—29803
Demartini, C., Serra, A., Valenzano, A., Vita, L. A local network for industrial automation 4—54411
DeMassa, T.A. *see* Dah-Kwang Yeh 4—40444
Demassieux, N. *see* Jutand, F. 4—59986
Demazeau, G. *see* Andriamandroso, D. 4—59135
Dembo, A., Malah, D. Generalization of the window method for FIR digital filter design 4—35973
Demczyk, B.G. *see* Buzzelli, E.S. 4—40424
Deme, S. *see* Akatov, Yu.A. 4—61841
Deme, S. *see* Szabo, P.P. 4—33888
Demenko, S.I. *see* Gusev, V.A. 4—37168
Demenok, V.N. *see* Shaub, Yu.B. 4—56308
Dement, D.K. United States direct broadcast satellite system development 4—38774
Dement, D.K. *see* Rizzoni, E.M. 4—48438
Dement'ev, E.A. *see* Volodin, V.D. 4—39475
DeMeo, E.A., Taylor, R.W. Solar photovoltaic power systems: an electric utility R&D perspective 4—57357
DeMeo, E.A. *see* Witwer, J.G. 4—49816
DeMeo, N.L. *see* Donnelly, J.P. 4—59264
Demerdash, N.A., Nehl, T.W., Fouad, F.A., Arkadan, A.A. Analysis of the magnetic field in rotating armature electronically commutated DC machines by finite elements 4—57064
Demerdash, N.A. *see* Mohammed, O.A. 4—57125
Demerliac, Y. African satellite communication systems and their implications 4—54688
Demichelis, F., Minetti-Mezzetti, E., Tagliaferro, A., Tresso, E. Photogenerated current improvement by optimization of amorphous solar cell optical parameters 4—45657
Demichelis, F., Tagliaferro, A., Tresso, E. Optical analysis of amorphous solar cells 4—40459
Demidchik, V.I., Kalashnikov, N.V., Runo, A.V. An algorithm for calculating the current distribution in electrically long curvilinear conductors 4—53283
Demidov, D.M. *see* Grekov, F.F. 4—30378
Demidov, E.V., Romanov, Yu.A. Nonlinear conductivity of thin semiconductor layers with a dimensionally quantized electron energy spectrum 4—58709
Demin, A.A. Reconstruction of the optical image from its autocorrelation 4—53909
Demin, A.E. *see* Stognii, B.S. 4—51571
Demin, B.B. *see* Vilenchik, L.S. 4—39195
Demin, E.A., Grinets, V.D., Dednev, P.V., Oblozhenkov, V.A., Altukhov, A.S., Zaichik, L.I., Ivanov, L.P. New instrument for following the balancing for measurement of temperature and difference in temperatures 4—33274
Demina, L.A. *see* Khrilev, L.S. 4—40073
Deming, R. *see* Asbeck, P.M. 4—42147
Deming, R.N. *see* Asbeck, P.M. 4—51386
Deming Wu *see* Wu Deming
Demirekler, M. *see* Kocaoglan, E. 4—50616
Demisov, D.S., Zabyshnyi, A.I., Sedykh, V.M., Uzhik, V.F., Shaulov, E.A. Microstrip switch based on p-i-n diodes for radiometer-polarimeter 4—41563
Demkin, A.A. *see* Varivodov, V.N. 4—30868
Demler, T., Issler, W. Reliability engineering [nuclear power plants] 4—56746
Demmel, F., Steghafner, H. Active VHF-UHF receiving dipoles HE 202 and HE 302 4—37743
Demmel, F. *see* Anders, W. 4—37744
Demmer, W., Draheim, P., Gutsmann, R.-D. Digital signal processing by frequency modulated (FM) signals 4—53377
Demmler, W. *see* Burkhardt, S. 4—43723
Demoment, G., Reynaud, R., Herment, A. Fast minimum variance deconvolution 4—60077
Demoment, G. *see* Charrat, O. 4—45187
DeMoment, G. *see* Saint-Felix, D. 4—60257
Demoor, D. *see* Block, P. 4—49241
Demsetz, L.A., Rosen, M.J., Goodenough-Trepagnier, C. Communication rate prediction: preliminary studies 4—56167
Demtroder, P. *see* Haberle, D. 4—49698
Demtroder, W. *see* Wickert, K. 4—61341
Demuth, D.L. *see* Bowden, W.L. 4—34835
Demuth, O.J. Preliminary assessment of condensation behavior for hydrocarbon vapor expansions which cross the saturation line near the critical point 4—34465
Dem'yanov, A.V. *see* Baranov, V.Yu. 4—37310
Dem'yanov, V.F. Quasidifferentials and nonsmooth optimization problems 4—35387
DeMyer, D.L. Multi-dimensional aspects of digital color map displays 4—44863
Demyshev, V.E., Maiorov, M.I., Fedorenko, A.S. A possible method of power saving in fluorescent installations 4—50212
Den, H., Murayama, M., Shingo, Y., Yoshino, A., Kobayashi, H., Hasegawa, M. Development of 'clean cable'—low smoke, halogen free, flame retardant cable 4—56620
den Akker, T.J.van *see* van den Akker, T.J.
den Berg, F.L.van *see* van den Berg, F.L.
den Berghe, H.Van *see* Van den Berghe, H.
Den Beste, W.E. Using a software emulator to generate and edit VLSI test patterns 4—39020
Den Boer, W., Geerts, M.J., Ondris, M., Wentinck, H.M. Single and double carrier injection in a-Si:H 4—58899
den Boom, M.M.B.Rijbroek-van *see* Rijbroek-van den Boom, M.M.B.
den Boorn, J.H.van *see* van den Boorn, J.H.
den Bosch, P.P.J.van *see* van den Bosch, P.P.J.
den Bossche, L.Van *see* Van den Bossche, L.
den Braak, P.A.B.M.C.van *see* van den Braak, P.A.B.M.C.
den Eijnde, W.F.K.van *see* van den Eijnde, W.F.K.
den Hauten, H.van *see* van den Hauten, H.
den Heijer, C. *see* Schilders, W. 4—36519
Den Heuvel, P.Van *see* Van Den Heuvel, P.
den Heuvel, W.M.C.van *see* van den Heuvel, W.M.C.
den Hove, L.Van *see* Van den Hove, L.
den Oever, W.E.van *see* van den Oever, W.E.
Den Oever, W.E.Van *see* Van Den Oever, W.E.
den Ouden, A.H. *see* de Jong, D.A. 4—33796
den Ouden, W. *see* Luckens, G. 4—56949
den Toonder, P. Scrambling and addressability in cable systems 4—61069
Denariez-Roberge, M.M. *see* Gingras, M. 4—31355
Denbigh, P.N. Ship velocity determination of Doppler and correlation techniques 4—38695
Denbnovetskii, S.V. *see* Vorob'ev, A.S. 4—57297
Denbow, N. State of the art in liquid level control 4—55744
Denburg, D.L. A testing environment for custom IC development 4—58223
Dencher, P. *see* Murray, W. 4—33394
Denda, M., Kimata, M., Yutani, N., Tsubouchi, N., Uematsu, S. A PtSi Schottky-barrier infrared MOS area imager with large fill factor 4—39080
Denecke, B. *see* Bortels, G. 4—56016
Denegri, G.B., Mazzucchelli, G., Rossi, G., Sciutto, G. Dynamic performances of AC drives fed from power transistor-thyristor inverters 4—57487
Denegri, G.B. *see* Delfino, B. 4—34086, 4—57434
Deneka, C.W. Update on advances in the outside vapor deposition process [optical fibre fabrication] 4—52609
Denery, D.G. *see* Callas, G.P. 4—49387
Deneuville, A., Bruyere, J.-C., Ranchouux, B., Jousse, D., Hamdi, H., Chaussat, C. Effect of thickness on the properties of hydrogenated non-crystallized silicon films 4—50803
Deng, X. *see* Wu, J. 4—37546
Deng Daoqun *see* Xu Zuyan 4—31340
Deng He, Gan Fuxi Nonlinear refractive coefficient and self-focusing damage in glasses 4—42722
Deng He, Li Chongfu Laser-induced damage in glass at different wavelengths 4—59576
Deng Ji-xiang *see* Qiu Chang-tao 4—56440
Deng Lu *see* Xu Zuyan 4—31340
Deng Ximing, Chen Zezun A unified expression for oscillation frequency of optical resonance cavities 4—53023
Deng Ximing, Fang Honglie, Chen Zezun Correction to the beat frequency for laser gyroscopes 4—48859
Deng Ximing, Wu Zhaoqing, Tang Guishen, Liang Peihui, Gao Fuyun, Gong Liangxian A remote controlled pulsed laser Doppler velocimeter 4—31535
Dengler, A.T. *see* Wilde, P. 4—34526
Denglong Han *see* Han Denglong
Denham, R. Cross connect system saves space and $$ 4—43847
Denis, B., Omet, D. Byte select circuit for low-power random-access memory 4—35751
Denis, B. *see* Boudon, G. 4—51144
Denis, B.A. *see* Balyoz, J. 4—29974
Denis, J.P. *see* Benoit, J. 4—47355
Denis, R.J. Interrupting performance of portable and station grounds on 500 kV double circuit lines 4—49633
Denis-Gruber, M. A switching controller optimizes volume and efficiency 4—30041
Denisenko, N.A., Goffmann, I. Stochastic model for selection of power supply system elements 4—39903
Denisov, A.F. *see* Borisov, V.V. 4—55546
Denisov, A.G. *see* Yanukovich, S.F. 4—30193
Denisov, A.I., Sigarev, N.N. Fields for future application of orthogonal Walsh functions in converter technology 4—57151
Denisov, A.I., Sigarev, N.N. Prospective fields of application of orthogonal Walsh functions in power conversion 4—57160
Denisov, A.I. *see* Bebikh, N.V. 4—53647
Denisov, G.G. *see* Bogachenkov, V.A. 4—59365
Denisov, G.G. *see* Bratman, V.L. 4—36186
Denisov, L.K. *see* Korol'kova, N.V. 4—42583
Denisov, S.P. *see* Amatuni, Ts.A. 4—33768
Denisov, V.I. *see* Balan, N.M. 4—31819
Denisov, V.M., Matveev, Yu.N., Ochin, E.F. Implementation of cellular logic operations in space-continuous bit-slice processor 4—46437
Denisov, Yu.I. *see* Romanovskii, E.A. 4—61699
Denisova, T.S. *see* Vaganova, M.Yu. 4—58484
Denisyuk, S.P. Approximating the functions of currents and voltages when calculating the steady-state conditions of power converters 4—57167
Denisyuk, S.P., Suchik, V.E. Use of complete structural synthesis in the automated design of valve converters 4—50907
Denisyuk, S.P. *see* Zhuikov, V.Ya. 4—45535
Denisyuk, Yu.N. *see* Galpern, A.D. 4—47528
Deniszczuk, B. Computer-aided method for short term phase stability measurement of stable heterodyne used in radar device with MTI system 4—48511
Denker, A. *see* Cerid, O. 4—57469
Denker, J.S. *see* Yurke, B. 4—29618
Dennard, R.H. *see* Baccarani, G. 4—36592
Dennard, R.H. *see* Hu, G.J. 4—36884

Denne, P.R.M. An electronic warfare simulator 4−32857
Dennen, R.S. Determination of visual range from Landsat data 4−53827
Denner, W.W. *see* Sides, D.R. 4−56331
Dennert, N.N., Kogan, A.V., Mikhailova, E.N. Standardisation of metrological characteristics of industrial electric thermometry instruments 4−55727
Dennett, A., Shaver, T. Developing a high resolution graphics display system using the NEC μPD 7220/GDC 4−30727
Denney, R.O., Partridge, M.J., Williams, R.B. Integrated testing and maintenance technologies [avionics] 4−44869
Denning, D.E. Field encryption and authentication 4−53439
Dennis, G. Improving close-in coverage 4−60686
Dennis, R. Cable networks−old and new 4−61064
Dennis, T. March of the modems 4−38369
Dennis, U.E., Sawyer, S.D. Nuclear system test simulator 4−34348
Denno, K. Development of AC-MHD synchronous salient pole generator coupled to the Tokamak fusion reactor 4−34318
Denno, K. Modeling of energy release systems from OTEC plants 4−34506
Denno, K. *see* Velinger, A. 4−34942
Denny, H.W. *see* Acree, D.W. 4−38207
Denny, H.W. *see* Mantovani, J.C. 4−59814
Denny, H.W. *see* Melson, G.B. 4−39936
Denny, H.W. *see* Shands, T.G. 4−59812
Deno, D.W., Silva, M. Method for evaluating human exposure to 60 Hz electric fields 4−55296
Denoix, B. A speech input and processing board for a personal computer 4−59988
Denoix, B. *see* Crepy, H. 4−53481
Denoncin, L., Detemmerman, B., Lataire, P. The speed control of AC motors 4−34677
Denoncin, L., Detemmerman, B., Lataire, P. Control of a current inverter-fed asynchronous machine for railway traction and alternative motors in general 4−57032
Denson, R. *see* Leadon, R.E. 4−30823
Dent, B. Flow switches 4−39136
Dentai, A.G. *see* Campbell, J.C. 4−37224, 4−52808
Dentai, A.G. *see* Kasper, B.L. 4−59337
Dentai, A.G. *see* Linke, R.A. 4−44088
Denvir, D. *see* Cunningham, D.G. 4−37447
Denyer, P.B. *see* Allen, G.H. 4−58428
Denyer, P.B. *see* Turner, L.E. 4−58467
Denyer, P.B. *(editor)* Systems on Silicon. First IEE International Specialist Seminar 4−45841
Denzler, H., Wagner, G. Analog and digital built-in measuring devices in apparatus engineering 4−39221
Deo, N., Pang, C.-Y. Shortest-path algorithms: taxonomy and annotation 4−40954
Deo, N. *see* Syslo, M.M. 4−29381
Deo, P. *see* Tiwari, S.C. 4−30092
Deodhar, S., Weldon, E.J. High speed interleaved Reed-Solomon error detection and correction system 4−53384
Depannemaecker, J.C. *see* Dangoisse, D. 4−59433
Deparade, K. Rationalisation in the fixing of tariffs 4−44989
Deparis, J. Derivation of the SECAM reference signal waveform for its writing into the digital color bar generator storage 4−55007
Deparis, P.-A. Optoelectronic systems on the SNCF 4−32813
DePaula, R.P., Jarzynski, J., Ku, C.C., Bucaro, J.A., Cole, J.H. Acousto-optic all-fiber modulator 4−59285
Depelsenaire, P. *see* Currie, J. 4−36493
Depeursinge, Y., Guex, L., Moret, J.M., Weiss, P. Simulation approach to the optimization of the well structure in CMOS technology 4−36848
DePew, J., DiCenzo, R., Guidotti, E. Process for removing laser-charged polyimide from copper 4−58635
Depommier, P. *see* Bryman, D. 4−33632
Depping, F., Voits, M. Automatic selection of control algorithms for an electrical drive with microcomputer-based speed control 4−50143
Deppo, L.Da *see* Da Deppo, L.
Deprettere, E.F., Dewilde, P., Udo, R. Pipelined CORDIC architectures for fast VLSI filtering and array processing 4−60137
Deprettere, E.F. *see* Kroon, P. 4−54461
Deprettere, F., Kroon, P. Compression and quantization of speech 4−43275
DePuy, C.W. *see* Kowalski, D.C. 4−52721
Deqin Chan *see* Chan Deqin
Deqing Gao *see* Gao Deqing
Der, J., Gwynn, P. Evaluation of the determination of soldering flux resistance using rectangular and circular test cells 4−45952
der Borg, K.van *see* van der Borg, K.
der Broeck, H.W.van *see* van der Broeck, H.W.
der Broek, E.J.Van *see* Van der Broek, E.J.
der Decken, C.B.von *see* von der Decken, C.B.
der Embse, U.A.von *see* von der Embse, U.A.
der Fluit, J.P.van *see* van der Fluit, J.P.
Der Graaf, F.Van *see* Van Der Graaf, F.
der Haar, F.von *see* von der Haar, F.
der Heiden, J.A.van *see* van der Heiden, J.A.
der Heijden, R.W.van *see* van der Heijden, R.W.
der Hijden, J.H.M.T.van *see* van der Hijden, J.H.M.T.
der Hoeven, W.van *see* van der Hoeven, W.
der Klauw, C.L.M.van *see* van der Klauw, C.L.M.
der Laan, J.B.van *see* van der Laan, J.B.
der Laan, J.J.M.van *see* van der Laan, J.J.M.
der Laan, P.C.T.van *see* van der Laan, P.C.T.
der Laan, P.G.T.van *see* van der Laan, P.G.T.
der Linden, H.A.van *see* van der Linden, H.A.
der Loos, M.Van *see* Van der Loos, M.
Der Lubbe, J.C.A.Van *see* Van Der Lubbe, J.C.A.
der Meer, J.J.van *see* van der Meer, J.J.
der Meijs, N.P.van *see* van der Meijs, N.P.
der Merwe, J.H.van *see* van der Merwe, J.H.
der Merwe, W.G.van *see* van der Merwe, W.G.
der Meulen, E.C.van *see* van der Meulen, E.C.
der Poel, A.A.van *see* van der Poel, A.A.
der Pot, B.J.G.van *see* van der Pot, B.J.G.
der Schaaf, A.van *see* van der Schaaf, A.
der Scheer, D.van *see* van der Scheer, D.
der Schoot, J.J.van *see* van der Schoot, J.J.
der Tuuk, A.van *see* van der Tuuk, A.
der Veen, H.van *see* van der Veen, H.
der Veen, J.van *see* van der Veen, J.
der Veen, J.F.van *see* van der Veen, J.F.
der Velde, J.C.van *see* van der Velde, J.C.
der Ven, E.K.van *see* van der Ven, E.K.
der Vlist, P.van *see* van der Vlist, P.
der Voort, E.van *see* van der Voort, E.
der Voort, F.M.van *see* van der Voort, F.M.
der Wateren, E.H.van *see* van der Wateren, E.H.
Der Weide, H.Van *see* Van Der Weide, H.
der Wey, A.H.van *see* van der Wey, A.H.
der Wijk, A.van *see* van der Wijk, A.
der Ziel, A.van *see* van der Ziel, A.
der Ziel, J.P.van *see* van der Ziel, J.P.
der Ziel, J.P.Van *see* Van der Ziel, J.P.
der Zwaag, H.van *see* van der Zwaag, H.
Deraman, S.B. *see* Blitz, J. 4−29561
Derbova, O.V. *see* Onishchenko, V.Ya. 4−56832
Derby, J.J. *see* Bourret, E.D. 4−50735
Derby, S.J. Computer graphics simulation in robotic education 4−40737
Dereniak, E.L., Britt, J.P., Fowler, A.M., Joyce, R.R., Boreman, G., Ewing, W.S. Evaluation of a PtSi Schottky infrared CCD for astronomy 4−33150
Derenzo, S.E. Initial characterization of a BGO-photodiode detector for high resolution positron emission tomography 4−33714
Derenzo, S.E. Gamma-ray spectroscopy using small, cooled bismuth germanate scintillators and silicon photodiodes 4−33758
Derevyagin, Yu.A. Turbine RPM relay for hydroelectric power plants 4−40150
Derevyankin, G.E., Dudnikov, V.G. Production of high brightness H^- beams in surface plasma sources 4−61645
Derfiny, D. *see* Leicht, L. 4−50550
Derges, S. *see* Griffin, D.W. 4−49332
Deri, T. *see* Besenyei, F. 4−45742
Derin, H., Elliott, H., Cristi, R., Geman, D. Bayes smoothing algorithms for segmentation of images modeled by Markov random fields 4−60242
Derin, H. *see* Askar, M. 4−47703
Derin, H. *see* Elliott, H. 4−60241
Deringer, D.K. *see* Lerner, E.J. 4−50364
Deringer, G.C., Epstein, M.M., Gaines, G.B., Stets, J. Experience with miniature-cable terminations made from compounded materials and used under accelerated test conditions 4−36102
Derkach, D.J., Cohen, W. Real-time clock chip undertakes power and timing chores 4−41421
Derkach, N.V. Measurement and recording of results in laser radiation parameter measurement systems 4−53042
Derkach, V.N. *see* Vertii, A.A. 4−41560
Derkach, Yu.D. *see* Berzina, A.I. 4−30177
Derkits, G. *see* Coon, D.D. 4−55462
Derksen, R.H., Rein, H.M., Vathke, J. Integrated bipolar master/slave D-flip-flop with multiplexing capability for Gbit/s operation 4−51355
Derksen, R.H. *see* Rein, H.-M. 4−43903, 4−54512
Derlecki, S. A quotient analog-to-digital converter 4−46524
Dernoschek, F. Demands on computer systems because of technical regulations, illustrated by the example of VDE 0116 4−40807
Deron, S. *see* Miguel, M. 4−56007
Deroo, M. VIDEOTEX 4−48081
DeRosa, R. There's gold in directory assistance [information services for telcos] 4−54122
Derouault, A.-M., Jelinek, F. Probabilistic language model in speech recognition 4−53447
Derouault, A.-M., Merialdo, B. Recognition complexity with large vocabulary 4−53542
Deroux-Dauphin, P., Gonchond, J.P. The influence of high pressure oxidation on boron redistribution in LOCOS structures 4−51959
Derr, P.B., Kolesar, M.J. Capacitively coupled ground probe for TDR 4−40842
Derrien, J., Ringeisen, F., Commandre, M. Structure and growth kinetics of SiO_2 ultra thin film on Si(111) surface 4−30555
Derrington, C.E. *see* Gragg, J.E. 4−61366
Dersch, H., Amer, N.M. Optical approach to thermopower and conductivity measurements in thin-film semiconductors 4−51731
Dersch, R. *see* Vater, P. 4−55961
DeRusso, P. *see* Desrochers, A. 4−35183
Dervos, D., Parker, A. A technique for automatically producing optimized digital designs 4−29814
Derwent, R.G. *see* Buckley-Golder, D.H. 4−56724
Deryabin, V.M. *see* Komlev, V.P. 4−55324
Deryabina, T.I., Zverev, L.P., Radantsev, V.F. Size quantization in accumulation layers in metal-oxide-semiconductor structures made of zero-gap $Hg_{1-x}Cd_xTe$. Oscillations of the capacitance in quantizing magnetic fields 4−30450
Deryugin, I.A., Pogibel'skii, A.P., Simakov, A.N. Effects of acoustooptical diffraction on spatial coherence of light 4−37181
Deryugin, I.A. *see* Deryugina, A.I. 4−43450
Deryugin, L.N. *see* Bessonov, A.F. 4−36982
Deryugina, A.I., Deryugin, I.A., Kurashov, V.N. Restricting the radiation directivity during transmission of an image 4−43450
Derzhavin, S.I. *see* Apollonov, V.V. 4−31333
Derzhiev, V.I. *see* Boiko, V.A. 4−37259, 4−52918
Desages, A. *see* Alimenti, O. 4−41501
Desai, C. Digital speech recording using delta modulation 4−48663
Desai, M.D., Saxena, S.C. Discrimination among various diagnostic entities in computerized ECG processing 4−56125
Desai, M.S. *see* Elgawhary, A.M. 4−49770
Desai, P.B., Ray, T.K., Vijayaraghavan, R. Experiences in the electron beam evaporation of beryllium for obtaining adherent films 4−29539
Desai, T. Computational technique for evaluation of dangerous potentials in ground grids 4−45162
Desailly, J. *see* Maneval, J.P. 4−31088
Desanghere, G. *see* Rijcken, W.J. 4−33837
Deschamps, G.A., Boersma, J., Lee, S.-W. Three-dimensional half-plane diffraction: exact solution and testing of uniform theories 4−37562
Deschamps, J. *see* Boardman, C.M. 4−61468
Deschamps, J.-P. Implementation of calculation scheme 4−51082
Deschamps, L., Boggs, S., Chu, F., Aucourt, C., Baer, G., Itaka, K., Samm, R. Compressed gas insulated cables in use internationally 4−62130
Deschamps, L., Pinet, A., Ribot, J.-J. Technological development prospects of the cable 4−56630
Deschamps, Y. *see* Koori, N. 4−61685
Deschene, D. *see* Chan, A. 4−35697
Descout, R. *see* Carre, R. 4−53574
Descure, P. *see* Berger, J.L. 4−55275
Desert, B. *see* Bocqueho, P. 4−61062
Deshayes, M.R. Behaviour of and tests for the selection of fuses used in the protection of power semiconductors 4−34780
Desheng Gong *see* Gong Desheng
Deshmukh, P.R. *see* Gupta, R.P. 4−58875
Desilets, B.H. Plasma etching chamber 4−30528
DeSipio, R.G. Avionics maintenance−a perspective 4−44866
Desjardins, R.L. *see* Reid, W.S. 4−33532
Deskevich, J. Leasecraft: an innovative space vehicle 4−33914
Deskevich, J., Brodsky, M.T., Raab, B. Leasecraft: an innovative commercial venture 4−39643
Deslattes, R.D. *see* Duval, B.P. 4−55842
Deslattes, R.D. *see* Luther, G.G. 4−42486
Desmedt, V., Vandewalle, J., Govaerts, R. Fast authentication using public key schemes 4−43203
Desmedt, Y., Vandewalle, J., Govaerts, R. The mathematical relation between the economic, cryptographic, and information theoretical aspects of authentication 4−43158
Desmedt, Y., Vandewalle, J., Govaerts, R. A general public key cryptographic knapsack algorithm based on linear algebra 4−47777
Desmedt, Y. *see* Davio, M. 4−53436
Desmerger, M. Homing head imperfections altering missile guidance 4−56229
Despotovic, S. The principles for determining the reliability in closed complex distribution and transmission systems 4−62127
Desrochers, A., Yeater, M., DeRusso, P. Addressing manufacturing productivity in the laboratory 4−35183
Desrousseaux, P. *see* Dubon, C. 4−36814
Destefanis, G.L. *see* Roussille, R. 4−31227
Destler, W.W. *see* O'Shea, P.G. 4−41752
Destombes, F. *see* Crepy, H. 4−53481
Destriau, M. *see* Lucat, C. 4−55428
Desvignes, J.M. *see* Gourzerh, J. 4−30975
Desvilles, J.L. *see* Behe, R. 4−31802, 4−42998
Detaint, J., Carru, H., Amstutz, P., Schwartzel, J. Acoustically coupled resonators: filters and pressure transducers 4−30926
Detch, J.L. *see* Yates, G.J. 4−37220
Detemmerman, B. *see* Denoncin, L. 4−34677, 4−57032
Detinenko, V.A. *see* Gusev, V.A. 4−37168
Detinko, M.V., Medvedev, Yu.V., Petrov, A.S. Polarization of a semiconductor cylinder by a plane electromagnetic wave 4−42842

Detlefsen, J., Hetzner, W., Weidmann, W. Doppler radar used as electronic rear-view mirror 4—54865
Detlefsen, J. *see* Bockmair, M. 4—54848
Detloff, B.L.S. *see* Stokes, K.B. 4—49309
Detoma, E. *see* Wardrip, C. 4—39331
DeTreville, J., Sincoskie, W.D. A distributed experimental communications systems 4—32365
DeTreville, J.D. A simulation-based comparision of voice transmission on CSMA/CD networks and on token buses 4—38112
Dettmann, K.-D. *see* Rosenberger, R. 4—46313
Dettmer, J. Numeric approximation of Bessel functions using the DFT 4—57997
Dettmer, R. E^2PROMs—the quest for the nonvolatile RAM 4—41341
Dettmer, R. The great DRAM race 4—46450
Dettmer, R. Nuclear power in W Germany 4—49665
Dettmer, R. The UK5000 [gate array] 4—51108
Dettwiller, L., Chavel, P. Spatial frequency pseudocoloring by interference: application to texture 4—43401
Dettwiller, L. *see* Chavel, P. 4—43445
Detwiler, R.C. Computer memory power control for the Galileo spacecraft 4—34772
Deutsch, D.N. *see* Diodato, P.W. 4—35824
Deutsch, J., Egger, J., Gregoire, Gh., Kaspar, H., Petitjean, C., Reist, W., Tasiaux, B. Search for massive neutrinos in muon-capture: development of a gas scintillation detector 4—49088
Deutsch, J.T., Newton, A.R. Data-flow based behavioral-level simulation and synthesis 4—35765
Deutsch, W.A., Noll, A. The restoration of historical recordings by means of digital signal processing 4—43396
Deutscher, R.L., Fletcher, S., Galea, J. Further work on additives in the zinc plates of nickel/zinc test cells 4—34838
Dev, P. *see* Wood, S.L. 4—44769
Deval, J.-C. Thermal comfort in a temperate climate 4—57573
Devanney, W. *see* Bayless, M. 4—36742
Devaux, R.N. *see* Schiffer, S.F. 4—40403
Devecchi, D. *see* Torelli, G. 4—30755
Devedjiev, V.A. *see* Rakovska, V.K. 4—44407
Deverson, P. Logic analyzer sampling efficiency improved with parallel memories 4—44532
Deverson, P. Logic analysers with parallel memory 4—61295
Devezeaux de Lavergne, J.-G. *see* Capros, P. 4—45919
Devi, B.B., Sarma, V.V.S. A fuzzy multistage evolutionary (FUME) clustering technique 4—38032
Deviatovsyk, V.G. *see* Vilenchik, L.S. 4—39195
Devine, G.P. *see* Barbee, S.G. 4—36406, 4—58045
Devine, K.J. Hiko: a power systems training simulator 4—62043
deViry, D., Pelle, F., LeBrumant, J., Duran, J. Doubly mode-locked, *Q*-switched, continuously pumped neodymium: yttrium aluminum garnet laser 4—52933
Devitt, G.E. Environmental issues of fibrous glass 4—35259
Devlikamova, Z.M. *see* Krutiev, V.A. 4—45281
Devlin, W.J. *see* Webb, R.P. 4—59519
Devooght, J.-P. *see* de Hagen, M. 4—62370
DeVore, J.A. Solderability testing—US and Europe compared 4—45969
DeVore, S.L. *see* Revay, R.E. 4—42320
Devos, F. *see* Maurin, T. 4—34533
DeVries, J.M. A physically small dual circular microstrip antenna 4—53306
Devries, R.M. *see* Sondheim, W.E. 4—33658
Devyatkov, N.D. *see* Aleinikov, V.S. 4—44776
Devyatykh, G.G. *see* Bagrov, A.M. 4—31147
Dew, P.M. VLSI architectures for problems in numerical computation 4—58391
Dewei Yang *see* Yang Dewei
Dewey, A.G. Design of a fiber-optic laser scanning system for a smectic liquid crystal display 4—33378
Dewey, A.G. Laser-addressed liquid crystal displays 4—55597
Dewey, R.J. *see* Clarke, J.A. 4—47697
Dewhurst, R.J. *see* Cooper, J.A. 4—49481
Dewilde, P. *see* Annevelink, J. 4—29594
Dewilde, P. *see* Block, P. 4—49241
Dewilde, P. *see* Deprettere, E.F. 4—60137
Dewilde, P.M. NELSIS: a cooperative system for the design of chips 4—42106
DeWinter, J.C. *see* Panock, R. 4—54756
Dewis, I.G. Formulating a communications strategy 4—32164
DeWispelare, A.R. A computer based application of non-linear multiple objective optimization 4—46127
DeWitt, D.P. Inferring temperature from optical radiation measurements 4—55476
Dewitt, R., Kirsch-De Mesmaeker, A. Polycrystalline CdS photocorrosion studied by capacitance and action spectra measurements 4—51918
DeWitt, R. *see* Farrant, M. 4—54786
DeWitt, T. A Pantomation interface for the Apple II 4—38104
DeWitte, G.J. *see* Andrews, J.R. 4—39481
Dewitte, J., Labit, C., Robert, P. Optimization of addressing bit rate in a multimode coder with motion compensation for broadcast television 4—44212
Dexiang Cheng *see* Cheng Dexiang
Dey, D.A. Methods of documenting and improving solid-state AC drive reliability 4—62736
Dey, S.K., Lacourse, W.C. Observation of varistor-like behavior in chalcogenide glass-ceramics 4—58739
Dey, T.K. A cryogenic level indicator using a voltage controlled oscillator 4—39356
Deygout, J. RITA-a modern response to battlefield communications needs [automated transmission network] 4—38167
DeYoung, R.J., Tepper, W.D., Conway, E.J., Humes, D.H. Preliminary comparison of laser and solar space power systems 4—39663
Deyu Yang *see* Yang Deyu
Deyun Jin *see* Jin Deyun
Deyzac, F. Cesium atomic clock characterization in a perturbed environment 4—55149
deZafra, R.L. *see* Roesler, R.F. 4—47221
Dhadesugoor, V.R. Voice and data integration using digital silence detection for satellite applications 4—31852
Dhadesugoor, V.R. *see* Wu, C.T. 4—32453
D'Haenens, I.J. *see* Salmon, L.G. 4—51820
Dhage, S.D. *see* Srinath, N.V. 4—60888
Dham, V.K. *see* Lai, S.K. 4—36860
Dham, V.K. *see* Lee, J. 4—35821
Dhanasekaran, P.C., Vaya, P.R., Gopalam, B.S.V. Spectral sensitivity calculations on n^+-p and n^+-p-P^+ silicon solar cells 4—50062
Dhar, P.Kumar *see* Kumar Dhar, P.
Dhariwal, S.R., Mittal, S., Mathur, R.K. Theory for voltage dependent series resistance in silicon solar cells 4—40442
Dhas, C.R. *see* Konangi, V.K. 4—32438
Dhaussy, J.C. *see* Billot, M. 4—29245
Dhawan, A. One way to end the brouhaha over choosing an optimal LAN 4—32553
Dhawan, S., Kondo, K., Takikawa, K., Yasuoka, K. A fast serial readout system for multiwire proportional chambers 4—44694
Dhawan, S.K., Kim, S., Kondo, K., Kurisu, M., Sekiguchi, M. High sampling rate performance of Sony CX 20052 flash ADC 4—29947
Dhawan, S.K., Kondo, K. New development in flash ADCs 4—29948
Dhen, W. Integrated substation control technique 4—57251
Dhillon, B.S. RAM analysis of vehicles in changing weather 4—46024
Dhillon, B.S., Misra, R.B. Reliability evaluation of systems with critical human error 4—57884
Dholakia, S. *see* Edington, D. 4—58291
Dhouib, A. *see* Gouskov, L. 4—36319
Dhurkadas, A. Faster parallel multiplier 4—29982
Di, A., Tian, L. Matrix decomposition and multiple source location 4—60104
Di, A., Zhao, Z., Sahn, T. On the law of large numbers for a weakly stationary random field 4—40931
Di Benedetto, M.G., Lanaro, A. How to avoid vowel normalization in identification of vowels in continuous speech 4—53568
di Capua, E. *see* Bizzarri, R. 4—55976
Di Castro, E., Pani, R., Pellegrini, R., Bacci, C. The use of cadmium telluride detectors for the qualitative analysis of diagnostic X-ray spectra 4—61774
di Cataldo, G. Experiences of monitoring in electromechanical laboratory by means of computer controlled systems 4—33144
Di Chiara, A. *see* Cristiano, R. 4—31077
Di Cocco, G. *see* Charalambous, P.M. 4—39424
Di Concilio, A., Gerla, G. Almost compactness in fuzzy topological spaces 4—50656
Di Cristo, A. *see* Nishinuma, Y. 4—43237
Di Domenico, D. *see* Carlevaro, M. 4—45812
di Fonso, M. *see* Ciccarella, G. 4—35162
Di Forte-Poisson, M.A. *see* Brummell, M.A. 4—51850
Di Forte-Poisson, M.A. *see* Portal, J.C. 4—51848
Di Fraia, L. A new solution for HID emergency lighting 4—62815
Di Gong *see* Gong Di
Di Gregorio, C. *see* De Gasperis, P. 4—31036, 4—42232
Di Lella, L. *see* Beer, A. 4—61682
Di Liberto, S. *see* Baroni, G. 4—55870
Di Lorenzo, V., Riboulet, P. Component position recognition method and device for an assembly robot 4—39178
Di Majo, F. High speed guided transport faced with the challenge of a comparison of competitivity 4—62758
Di Manno, J. *see* Rogers, G.J. 4—45442
Di Napoli, A. The boundary element method for the electrical and magnetic field solutions power transformers 4—49927
Di Perna, A. The remote control of substations in Enel generation and transmission system 4—57099
Di Porto, P. *see* Crosignani, B. 4—52583
Di Rienzo, M., Santambrogio, G.C. Searching privileged periods for daily blood pressure measurements 4—49134
Di Stefano, S. *see* Haak, R. 4—40388
di Tria, P., Graziani, A., Zoso, L. Single-chip FSK data transmission component 4—32354
Di Vita, P. *see* Coppa, G. 4—31099, 4—37119, 4—42332, 4—59192, 4—59193
Di Vita, R. *see* Coppa, G. 4—31100
Diaconescu, I., Iancso, L., Szasz, J. A frequency counter with numerical display on an oscilloscope screen 4—55548
Diaconescu, M.P. *see* Ijac, G. 4—40224
Diaconescu, M.P. *see* Ijac, Gh. 4—40223
Diaconeseu, M.P. *see* Ijae, G. 4—40527
Diaconis, P., Shahshahani, M. On nonlinear functions of linear combinations 4—29388
Diacre, M. Principal systems of analog cellular mobile telephony 4—43981
Diaczek, A. *see* Brand, C. 4—33639
Diadiuk, V. *see* Cox, C.H., III 4—59299
Diadiuk, V. *see* Leonberger, F.J. 4—37223
Diadiuk, V. *see* Tsang, D.Z. 4—52950
Diakonu, I.I. *see* Vainshtein, S.N. 4—36570
Dial, G. On axiomatic characterization of information improvement due to *N* revisions 4—31807
Dial, G. On measurable solutions of a functional equation and its application to information theory 4—31817
Dial, G. On Sharma-Mittal entropy and communication channels 4—43054
Dial, G. *see* Pereira, R. 4—31816
Dialetis, D., Barnett, L.R., Chu, K.R. Analysis of a forward injection wideband traveling wave amplifier 4—41784
Dialetis, D., Fliflet, A.W., Read, M.E., Chu, K.R. Design of high power gyrotron oscillators with complex cavity structure 4—36207
Dialetis, D. *see* Barnett, L.R. 4—36192
Dialetis, D. *see* Chu, K.R. 4—46762
Dialinas, M. *see* Chase, R.L. 4—39426
Dialynas, E.N., Machias, A.V., Papadias, B.C. Optimal power system stabilization using the matrix sign function theory 4—34094
Dialynas, E.N., Papadias, B.C. Reliability evaluation and cost in the Hellenic transmission power system 4—34083
Dialynas, E.N. *see* Machias, A.V. 4—62113
Diamand, F. *see* Linh, N.T. 4—58936
Diamant, M.H. A program for reliable high power μW transistors (the AN/SPS-40 solid-state transmitter) 4—48565
Diamant, R.M.E. Microcomputer programs for HVAC designers 4—45768
Diament, P. *see* Segall, S.B. 4—47375
Dianat, S.A., Sarkar, T.K. A finite step adaptive technique for time-delay estimation 4—37975
Dianat, S.A. *see* Sarkar, T.K. 4—38006, 4—53624
Dianhua Gao *see* Gao Dianhua
Dianlin Zhang *see* Zhang Dianlin
Dianov, E.M. *see* Bagrov, A.M. 4—31147
Dianov, E.M. *see* Belov, A.V. 4—47250
Dianov, E.M. *see* Belovolov, M.I. 4—59247
Dianova, V.A., Mustel', Ye.R., Parygin, V.N., Bezruchenko, V.I. Frequency conversion in a PMT by interaction of the photoelectron stream with a heterodyne field 4—51716
Dianyuan Fan *see* Fan Dianyuan
Dianzhao Sun *see* Sun Dianzhao
Dias, A.R. *see* Lahaie, I.J. 4—39718
Dias, L.E.N. *see* Fonseca, J.R. 4—45160
Dias, M.S., Johnson, R.G., Wasson, O.A. Design and calibration of an absolute flux detector for 1-15 MeV neutrons 4—61692
Dias, R.J. *see* Caloba, L.P. 4—35598
Diaz, A. *see* Gascon, D. 4—49257
Diaz, A.F. *see* Bargon, J. 4—50036
Diaz, A.F. *see* Waltman, R.J. 4—50037
Diaz, C. *see* Galan, I. 4—61451
Diaz, J.M.Cortes *see* Cortes Diaz, J.M.
Diaz, M., Guidacci da Silveira Specification and validation or protocols by temporal logic and nets 4—54398
Diaz, P.J. *see* Liebman, J. 4—49204
Diaz, S.B. *see* Alvarez Ovide, B. 4—50449
Diaz, T., Espinosa, G., Moreno, A., Gamboa, I., Golzarri, J.I. Analysis of different Mexican polymers as solid state nuclear track detectors 4—55883
Diaz Arencibia, P., Garcia Reina, F., Puron Sopena, E., Sanchez Colina, M., de Roux, S. Infrared electroluminescent diodes for optical communications, double heterojunction AlGaAs-GaAs and its efficiency 4—37241
Diaz Berzosa, C. *see* Fontana, B. 4—47939
Diaz de la Iglesia, R. Bandwidth reproducibility of spliced-fiber links measured in frequency domain 4—52550
Diaz-Tous, I. *see* Behn, I.M. 4—49749
Diaz-Tous, I. *see* Brown, D. 4—49747
Diaz-Tous, I.A. *see* Mussalli, Y.G. 4—49771
Dib, R. *see* Edwin, K.W. 4—34158
Dibbert, H.-J. *see* Braatz, U. 4—40019
Dibiaso, L.S. Telecommunications systems performance—needs for standards 4—32227
DiCarlo-Cottone, M.J. *see* Carroll, J.J. 4—32588
Dicastro, T.A. *see* Badami, A.V. 4—51948
Dicello, J.F., McCabe, C.W., Doss, J.D., Paciotti, M. The relative efficiency of soft-error induction in 4K static RAMs by muons and pions 4—29857
DiCenzo, R. *see* DePew, J. 4—58635

Dick, E. Momentum analysis of wind energy concentrator systems 4—34530
Dick, E. The application possibilities of wind energy systems 4—62478
Dick, J. *see* McMahon, T.J. 4—58823
Dick, J.M., Modavis, R.A., Racki, J.G., Westwig, R.A. Automated-mode radius measurement using the variable aperture method in the far field [optical fibres] 4—52663
Dick, J.M. *see* Eccleston, D.J. 4—54774, 4—60829
Dick, J.R. *see* Fan, J.C.C. 4—41814
Dick, J.R. *see* Kazmerski, L.L. 4—50046
Dick, R. *see* Bozek, R. 4—32647
Dick, R.S., McVey, J.B., Fitzpatrick, G.O., Britt, E.J. High performances, closed-space thermionic converters 4—34947
Dick, R.S., McVey, J.B., Fitzpatrick, G.O., Britt, E.J. High performance, close-spaced thermionic converters 4—40495
Dickason, R.E. *see* Dixon, D.G. 4—33605
Dickens, L.E., Dawson, D.E., Salib, M.L., Henry, H.G., Lemnios, Z.J., Shade, G.F., Lau, C.L., Ames, J.C., Lee, S.H., Kim, H.B. A GaAs wideband cascode MMIC amplifier 4—58540
Dickens, L.E. *see* Dawson, D.E. 4—58531
Dickens, L.E. *see* Lee, S.H. 4—52107
Dickerson, K.R. *see* Boyd, R.T. 4—54536
Dickey, T.E., Mulla, J. Aspects of network maintenance in a distributed digital exchange 4—32583
Dickinson, B.W. *see* Boncelet, C.G., Jr. 4—47880
Dickinson, D.F. Acoustooptical processors: architectures and techniques 4—47316
Dickinson, F.S. *see* Taylor, A.F. 4—40024
Dickinson, J.T. *see* Loudiana, M. 4—37414
Dickinson, K.W. *see* Waterfall, R.C. 4—32962
Dickinson, R.J. *see* Hand, J.W. 4—39608
Dickman, J.L. A comparative analysis of two basic philosophies in instructor station design 4—33929
Dickmeis, W., Nessel, R.J., van Wickeren, E. A general approach to counterexamples in numerical analysis 4—35452
Dickson, C. *see* Tranquilla, J.M. 4—31787
Dickson, L.D. Automated beam expander device 4—42677
Dickson, L.D. Aberrant holographic focusing element for post-objective holographic deflector 4—53098
Dickson, L.D. *see* Broockman, E.C. 4—47535
Didenko, A.N. *see* Artemenko, S.N. 4—36024
Didenko, Yu.I., Nikitchenko, V.V. Utilization efficiency of an oriented triorthogonal antenna system for polarization processing of signals when there is reflection from the Earth's surface 4—42960
Didier, C. *see* Powell, S.J. 4—33514
Didier, P. VLSI integrated circuit testing: a new test set architectural concept 4—52187
Diebel, D. *see* Rollingson, L. 4—48768
Diederich, P., Jones, S.S.D. Navsat: principles and potential 4—48527
Diederichs, G., Krause, R. Proximity switch is self-checking and indicates functional faults 4—41667
Diegler, H. *see* Bockhorn, F. 4—57660
Diehl, R. *see* Schonfelder, V. 4—33779
Diehl, S.E. *see* Jaeger, R.C. 4—29858
Diehl, S.E. *see* Mnich, T.M. 4—29859
Diehl, W. *see* Englisch, W. 4—60818
Diehl, W. *see* Wiesemann, W. 4—60822
Dieleman, J., Sanders, F.H.M. Plasma effluent etching: selective and non-damaging 4—42120
Dieleman, J. *see* Sanders, F.H.M. 4—46943
Diels, J.C., McMichael, I.C., Vanherzeele, H. Degenerate four-wave mixing of picosecond pulses in the saturable amplification of a dye laser 4—53063
Diels, J.-C., Fontaine, J.J., McMichael, I.C., Wilhelmi, B., Dietel, W., Kuhlke, D. Experimental and theoretical study of a femtosecond laser 4—59468
Diels, J.-C. *see* Vanherzeele, H. 4—52926
Diemeer, M.B.J., Trommel, E.S. Fiber-optic microbend sensors: sensitivity as a function of distortion wavelength 4—42383
Diener, W. Brown Boveri's role in power plant construction 4—62263
Dienerowitz, J. Voltage-frequency conversion with E355D 4—51506
Dienes, A. *see* Hasnain, G. 4—36010, 4—59827
Diepenbrock, J.C. *see* Blumberg, R.J. 4—48710
Dierckx, P. Algorithms for smoothing data on the sphere with tensor product splines 4—40996
Dierckx, P. *see* Suetens, P. 4—49283
Dierckx, R., Guebels, P., Six, P. VLSI for the ISDN line termination 4—54033
Dierendonck, A.J.Van *see* Van Dierendonck, A.J.
Dierigen, H.-G. Presentation of medical data by means of a television screen display 4—38887
Dierks, M.M., Haydon, F.C., Kroeger, W.L. Wait/hold state generator for a processor 4—51373
Diestel, H., Worm, S.B. Analysis of hybrid field problems by the method of lines with nonequidistant discretization 4—53255
Dietel, W., Dopel, E., Hehl, K., Rudolph, W., Schmidt, E. Multilayer dielectric mirrors generated chirp in femtosecond dye-ringlasers 4—47435
Dietel, W. *see* Diels, J.-C. 4—59468
Dieterink, B. Automated measurements with 100 MHz oscilloscope 4—44530
Dietl, J. *see* Karcher, H.B. 4—54277
Dietl, T. *see* Grabecki, G. 4—51910
Dietrich, B. Circuit breaker with relay behaviour 4—57256
Dietrich, D., Engel, S. Interfaces in telecommunications 4—60327
Dietrich, E.S., Imamura, M.S. An expert system concept for autonomous spacecraft energy management 4—39673
Dietrich, F. *see* Becker, R. 4—50537
Dietrich, M. Performance and implementation of a robust ADPCM algorithm for wideband speech coding with 64 kbit/s 4—43292
Dietrich, M. *see* Stothers, J. 4—54195
Dietrich, R. *see* Linkenbach, H.A. 4—44242
Dietsch, R. Hotel communication system 4—54106
Dietz, E. Op amp controls the foldback current limits of 723 voltage regulator 4—50939
Dietz, K. This is the computer speaking: speech analysis and synthesis 4—47788
Dietz, K.J. *see* Parris, M. 4—49038
Dietz, P.W. *see* Tardos, G.I. 4—55666
Dietz, T. *see* Lauks, I. 4—33232
Dietz, T.M. *see* Cramer, J.C. 4—50234
Dietze, W.T. *see* Brown, J.M. 4—46842
Dietze, W.T. *see* Lewis, C.R. 4—41090
Dietze, W.T. *see* Ludowise, M.J. 4—50050
Dieulesaint, E., Billmann, A., Royer, D., Chaabi, A. Plate mode transducers 4—52436
Dieulesaint, E., Royer, D. Recent developments in acoustoelectricity 4—42220
Dieulesaint, E. *see* Royer, D. 4—48849
Diffie, W. Securing networks: end-to-end encryption vs. link encryption and trusted systems 4—38326
DiFondi, N., Weidner, K. Modular communications sites aid intelligence agencies 4—38285
Digiacomo, N.J. *see* Sondheim, W.E. 4—33658
Digirolamo, J.A., Neville, M.H. Tracking regulator 4—58150
DiGiuseppe, M.A., Chin, A.K., Chin, B.H., Lourenco, J.A., Camlibel, I. The effect of melt-carry-over on the LPE growth of planar buried InGaAsP/InP double heterostructures 4—50783
Dijk, J., Wijdemans, L.J.M. Proposed cooperation for the application of satellite communications in rural tropical areas with the Indonesian National Institute of Aeronautics and Space (LAPAN), University Trisakti Jakarta and Eindhoven University of Technology (Netherlands) 4—60779
Dijk, J.W.van *see* van Dijk, J.W.
DiJulio, S.S., Knuth, E.L. Selection of dwell time when using a lock-in amplifier in a sequence of measurements 4—51008
Dikaev, Yu.M. *see* Gulyaev, Yu.V. 4—59244
Dikarev, Yu.I., Esin, V.I., Naumenko, N.I. Treatment of the surface of silicon in halide-bearing plasma 4—30525
Dikchyus, G. *see* Bareika, B. 4—42716
Dikmarova, L.P. *see* Dzhala, R.M. 4—53245
Dikun, T.F., Kuraev, A.A., Cinitsin, B.M. Gyrocone with longitudinal magnetic field 4—41764
Dilecce, B., Pugliese, P., Sylos Labini, M. Methods for the calculation of electrical potential in nonhomogeneous soil 4—59696
DiLionardo, V. *see* Schuster, S. 4—51241
Dilkie, L.R. *see* Narraway, J.J. 4—40882
Dill, M.W. ELF ground design and installation 4—59852
Dillard, P.A., Campbell, M.L. Solar array power to weight performance of 1- to 10-kilowatt, flat-folded flexible wings 4—40464
Dillenburger, W. The damping of speakers. II 4—38939
Dillenburger, W. The damping of speakers. I 4—44331
Dillinger, T.E., Gut, G.M. Polysilicon dry etching using reactive ion etching and plasma etching 4—30490
Dillon, J.L. The information provider—the missing link for profitable marketing 4—54227
Dillon, L.G. *see* Tewell, J.R. 4—61861
Dilmore, J.A. *see* Young, W.E. 4—40180
DiLosa, V.J. *see* Jones, S.C. 4—38428
Dima, I., Draghici, I. Signal generator and power amplifier made by using discrete structure operational amplifiers 4—46350
Dima, I. *see* Draghici, I. 4—55547
Dimarcello, F.V. *see* Pearson, A.D. 4—52635
DiMarco, B. Development of a current limiting interrupter 4—62666
DiMaria, D.J., Dong, D.W., Pesavento, F.L., Lam, C., Brorson, S.D. Enhanced conduction and minimized charge trapping in electrically alterable read-only memories using off-stoichiometric silicon dioxide films 4—35807
DiMaria, D.J., Fang, F.F., Lai, S.K. Enhanced storage dynamic cell using composite silicon-rich SiO_2 and thermal SiO_2 layers 4—47038
DiMaria, D.J., Kirtley, J.R., Pakulis, E.J., Dong, D.W., Kuan, T.S., Pesavento, F.L., Theis, T.N., Cutro, J.A., Brorson, S.D. Electroluminescence studies in silicon dioxide films containing tiny silicon islands 4—52812
Dimarogonas, A. *see* Aspragathos, N. 4—62496
Diminskii, K.V. *see* Drobadenko, V.P. 4—39091
Dimitriadis, B., Bourbakis, N., Alexandridis, N. On a multimicroprocessor pipelined structure for the real time encoding and transmission of regularly decomposed images, using a C-MOVE architecture 4—53792
Dimitriou, P., Tzimas, J., Tsialas, S. Effect of scatter radiation on the planar source sensitivity of a collimated detector 4—49162
Dimitrov, D.A., Geshev, G.K., Sokolov, E.R. Condition for stable operation of the contact between the collector and the brushes of collector-type motors for electric tools 4—45466
Dimitrov, D.N. *see* Vuleva, E.A. 4—29274
Dimitrov, L.N. *see* Stavrev, G.A. 4—33104
Dimitrov, T.V. *see* Isaenko, F.I. 4—55432
Dimitrov, V. *see* Vapirev, E.I. 4—33654
Dimmer, J.P. *see* Behn, I.M. 4—49749
Dimmer, J.P. *see* Williams, D.N. 4—49732
Dimo, P. The effect of REI networks using incremental equations seen by nodal images (REI method) 4—62136
Dimond, K.R. *see* Said, S.M. 4—35451
Dimov, G.I., Chupriyanov, V.E. Compensated proton-beam production in an accelerating ring at a current above the space-charge limit 4—39382
Dimov, G.I. *see* Bel'chenko, Yu.I. 4—61644
Dimov, I.I. Modelling prebreakdown fields in gas discharge lamps by the Monte Carlo method 4—45741
Dimov, I.T. Automatic approach to fluorescent lamp design 4—62787
Dimov, I.T., Litvinov, V.S. A method for the mathematical modeling of fluorescent lamps 4—50195
Dimov, S.S., Pavlov, L.I., Stamenov, K.V. Frequency-stable electro-optically *Q*-switched Nd:YAG laser 4—47442
Dimova, D.I., Toneva, A.T., Ivanova, P.G., Popkirov, I.S. Phosphorus diffusion into silicon by using a solid-phase source for solar cells fabrication 4—36428
Dinallo, M.A. Analysis concerning the effect of transfer admittance on transfer impedance measurements 4—37668
Dinaro, S., Hertel, R., Turner, N. High throughput wafer handling system for serial process ion implantation 4—36448
Dincer, M.S. *see* Hiziroglu, H.R. 4—34156
Dinelli, G., Mattachini, F., Rea, M. Pulsed power supply experiments in industrial ESP 4—53180
Dinelli, G. *see* Borgese, D. 4—62461
Dines, S., Schubert, B. A new chip family for the control of TV screen terminals 4—35848
Dines, S., Schubert, B. Data handling for advanced VDU facilities 4—39058
Dinescu, C., Savulescu, B. Sensitive and parametric analysis of the maximum flow in a network 4—46285
Dinev, R.P. *see* Slavov, G.G. 4—35722
Ding, L., Shih, I., Pavlasek, T.J.F., Champness, C.H. Measurements of the photo-induced complex permittivity of Si, Ge, and Te at 9 GHz 4—37193
Ding Aizhen *see* Gong Desheng 4—31305
Ding Aizhen *see* Zhuang Dounan 4—47406
Ding Changrong *see* Sun Rongchuan 4—29440
Ding Da-cheng, Niu Yong Experimental investigation of the relations between the electro-acoustical efficiency of compound piezoelectric vibrators and the positions of ceramics within the vibrators 4—34003
Ding Haishu *see* Li Gang 4—59597
Ding Li-Ren *see* Jiao Zheng-Kuan 4—52477
Ding Liren *see* Jiao Zhengkuan 4—42306
Ding Mo-yuan, Shi Yi-he, Wang Yan, Li Shuang-xi, Fu Tao Study on LPE-GaAs for X-band Gunn device 4—58890
Ding Xiaodong *see* Cao Liezhao 4—44650
Ding Zean *see* Wang Yumin 4—59410
Ding Zheng-quan *see* Yang Jia-yuan 4—57993
Ding-Chang Luo *see* Luo Ding-Chang
Ding-shan Xiao *see* Xiao Ding-shan
Ding-xin Cui *see* Cui Ding-xin
Dingeldey, R., Eisenhut, G., Sporleder, F. A digital optical subscriber-line-network 4—48475
Dinghua Wang *see* Wang Dinghua
Dingjan, A.J.M. Transmission systems using glass fibre cables 4—54749
Dingjan, A.J.M. Optical fibre systems: long distances and sophisticated supervision 4—60880
Diniak, W.C. Verification and validation techniques applied to the reconfigurable block 5D satellite software 4—44839
Diniz, P.S.R., Antoniou, A. On the elimination of constant-input limit cycles in digital filters 4—51441
Dinn, D.F. *see* Kerr, A.J. 4—39740
Dinnis, A.R. *see* Kozicki, M.N. 4—47100
Dinstein, I., Yen, D.W.L. Method for reusing nonactive labels in object labeling in a black/white pel array 4—43440

Dintersmith, T., Nuttall, J. Putting the chips through their paces in three systems [digital signal processing] 4—41422
Dinu, L. *see* Balaceanu, M. 4—46759
Dinwiddie, J.M., Viele, A.A. Test pattern generation methodology for LSI/VLSI modular level testing and in-circuit card level testing 4—52197
Dinwiddy, S.E. *see* Claydon, B. 4—59869
Diociaiuti, M. *see* Venuti, G.C. 4—55897
Diodato, P.W., Fowlis, D.C., Sampson, G.P. A technology updatable microcomputer 4—35873
Diodato, P.W., Parsons, R.L., Troutman, W.W., Deutsch, D.N., Jukl, M.F., Wiesel, M. CAD construction of a VLSI memory management unit 4—35824
Diorditsa, I.A. New design of high-voltage AC measuring facilities 4—33395
Dios, R.Martin de *see* Martin de Dios, R.
Dioszeghy, G. On expert training in microelectronics 4—50350
Dirba, Ya.A. *see* Novik, Ya.A. 4—56973
Director, S.W. *see* Nassif, S.R. 4—30670
Director, S.W. *see* Sakallah, K.A. 4—58994
Director, S.W. *see* Spanos, C.J. 4—36783
Director, S.W. *see* Strojwas, A.J. 4—36777
Director, S.W. *see* Trick, M. 4—36901
Director, S.W. *see* Walker, H. 4—36792
Direktor, L.B., Karasev, A.V., Malikov, M.M., Skovorod'ko, S.N. Method of measuring the wall temperature in a metal-vapor laser 4—53037
Dirks, H.K. *see* Kull, G.M. 4—36557
Dirndorfer, H., Warkotsch, A. Simulation and realization of an experimental 140 Mbit/s binary system for coaxial cables 4—32619
Dirzus, J., Fischer, D., Saile, B. Application of aluminium in disc storage drives for computer systems 4—58058
Dischkov, P. *see* Popov, G. 4—41742
Dischler, B., Wettling, W. Investigation of the laser materials $YAlO_3$:Er and $LiYF_4$:Ho 4—42594
Disertori, M. *see* Antolini, R. 4—49253
Dishon, G., Reisman, A., Ting, C.Y. Formation of thermally stable Ta_2O_5 films 4—41070
Dismukes, J.P. *see* Hunt, L.P. 4—51753
Disque, D.R. *see* Sollner, G.H. 4—36964
Dissado, L.A., Fothergill, J.C., Wolfe, S.V., Hill, R.M. Weibull statistics in dielectric breakdown: theoretical basis, applications and implications 4—59058
Distelbrink, J.H.J., Kok, E., Blok, H., Visschers, J.L., de Witt Huberts, P.K.A. A fast and flexible focal-plane detection system for electron scattering experiments 4—33666
Ditchburn, J. Radio communications for the small user 4—44010
Ditl, A. The nonlinear distortion of the transmitted signal in a frequency modulation system 4—54629
diTria, P., Graziani, A., Zoso, L. Single-chip FSK data transmission peripheral 4—32533
Ditrich, V. Optical unit for treatment with He-Ne laser 4—33865
Ditta, J., Sillou, D., Michalowicz, A., Azaiez, H., Kuroda, K. High resolution scintillation hodoscope using a positive sensitive photomultiplier 4—39413
Dittmer, H.J., Schneider, A., Unseld, H. A utilized plant for industrial supply using a supercritical and high temperature design 4—34409
Dittrich, H., Lehmann, R. Grundig R30—a new receiver with a prestigious name 4—54968
Dittrick, D. Financial and investing marketing: from 'broadcasting' to 'narrowcasting' 4—55038
Divan, D.M. Nondissipative switched networks for high-power applications 4—29998
Divan, D.M., Barton, T.H. Synchronous chopper for improved performance converters 4—57231
Divan, D.M., Barton, T.H. Considerations on the application of improved power factor converter structures 4—57234
Divan, D.M., Barton, T.H. AC line characteristics of alternative synchronous chopper-converter combinations 4—62636
Divatia, A.S. *see* Khemka, P.K. 4—33613
Divekar, D. Scaling of the DC drain current and intrinsic charges with channel length for MOS transistors 4—52143
Divekar, D.A. DC statistical circuit analysis for bipolar ICs using parameter correlations—an experimental example 4—30746
Divekar, D.A., Dowell, R.I. A depletion-mode MOSFET model for circuit simulation 4—30618
DiVenere, A. *see* Wong, H.K. 4—52340
Divers, R.T. A signal averaging system for high resolution electrocardiography 4—49215
Divino, M.D. *see* Alferness, R.C. 4—37162, 4—42348
DiVito, M.P. *see* Brennan, W.P. 4—35293
Divringi, L.K. *see* Bernstein, I.B. 4—59831
Divsalar, D., Gagliardi, R.M., Yuen, J.H. PPM performance for Reed-Solomon decoding over an optical-RF relay link 4—38590
Dix, C.H. The design and traceability of a high voltage resistive divider 4—33399
Dix, C.H. The bases of electrical metrology 4—61169
Dix, J.F., Palmer, R.F. Study of the relative sonar performance of incoherent and coherent processing against echo fading in shallow water 4—38694
Dixit, M.S. *see* Bryman, D. 4—33632
Dixit, P.N., Bhattacharya, R., Panwar, O.S., Shah, V.V. Preparation and properties of hydrogenated amorphous silicon films by glow discharge decompositon of silane in cascade reactors 4—41077
Dixon, D.G., Clarke, C.D., McDonnell, J.A.M., Dickason, R.E., Flavill, R.P. A 90° electrostatic prism for microparticle beam steering on a 2 MV Van der Graaff dust accelerator 4—33605
Dixon, D.R. *see* Jensen, G.L. 4—39418
Dixon, D.S. Low frequency radiated magnetic field emissions: Rationale for a MIL-STD-461B, RE-01 limit change 4—59818
Dixon, D.S., Sherman, S.I., Spaziante, M.F. Measurement of voltage transients on the 60 Hz powerline of an operational naval platform 4—59802
Dixon, J.C., Swift-Hook, D.T. A review of offshore wind power 4—34552
Dixon, K.E., O'Neill, J.F. The Defense Switched Network and the Defense Data Network—systems of our time 4—32545
Dixon, L.C.W. Some practical aspects of optimisation 4—40982
Dixon, N.R. *see* Kessler, W.J. 4—53517
Dixon, N.R. *see* Lee, V. 4—53543
Dixon, R.C. Data compression—promise and practice 4—47891
Dixon, R.H., Elton, R.C. Spectroscopy of X-ray lasers 4—37258
Dixon, S., AuCoin, T.R., Ross, R.L., Yuan, L.T. 60 GHz planar doped barrier subharmonic mixer 4—36076
Dixon, T. Automatic controls step into wave soldering 4—29243
Dixon, T. Components address surface mount technology needs 4—29253
Dixon, T. Multilayer motherboards support more signals 4—30201
Dixon, T. Hybrid manufacturing enters the computer era 4—30226
Dixon, T. Automatic control step into wave soldering 4—40855
Dixon, T. ESD threatens reliable device performance 4—50496
Dixon, T. Lasers bring precision to electronics manufacturing 4—59672
Dixon, T.H., Pivirotto, T.J., Chapman, R.F., Tyce, R.C. A range-gated laser system for ocean floor imaging 4—44903
Dixon-Brown, A. *see* Dutreix, A. 4—44770
Dizard, W. WARC-79 and communications satellites: an American perspective 4—38587
Dizerd, W. International policy issues in satellite communications 4—44054
Djakov, B.E. Simulation studies of electrode discharges. II. Influence of electrode material properties and comparison with experiment 4—51691
Djankov, G.L. *see* Ivanov, S.A. 4—42904
Djingov, H.G. *see* Mihailov, N.I. 4—47490
Djordjevic, B.B. Computerized, robotic ultrasonic C-scan system for inspection of aerospace structures 4—29570
Djuric, M. Negative damping of synchronous generator while supplying the passive R_p-L_p load 4—34601
Djuric, M., Radonjic, I. Negative damping of synchronous generator while supplying the passive $R_p \| L_p$ load 4—34602
Djuric, M., Skokljev, I. The critical power factor (of loading) with respect to the negative damping of the turbogenerator 4—34569
Djurich, B.M. Chebyshev phase approximation 4—35573
Dlugosel'skii, V.I. *see* Sterman, L.S. 4—40110
Dmitrenko, A.T. *see* Averbukh, A.M. 4—33188
Dmitrenko, K.A. *see* Brodin, M.S. 4—37347
Dmitrevic, G.D. *see* Anisimov, V.I. 4—44412
Dmitriev, A.G., Zakharenkov, L.F., Kasatkin, V.A., Masterov, V.F., Samorukov, B.E. Electroluminescence of ytterbium-doped indium phosphide 4—30418
Dmitriev, A.N. *see* Blotskii, N.N. 4—62518
Dmitriev, A.S. Chaos in a self-excited system with external harmonic forcing 4—41238
Dmitriev, A.V. Signal spectrum sensitivity to variations of a parameter reflecting the state of a nonlinear circuit 4—29610
Dmitriev, A.Ya., Matrosov, M.L., Shif, V.B. Generation of test-images with color-controlled details [TV] 4—32932
Dmitriev, E.I. *see* Andronov, V.P. 4—31438
Dmitriev, G.I. *see* Vladimirov, L.V. 4—33802
Dmitriev, N.V., Malyshev, L.I. Grouting works in the foundation of the dam of the Al-Hadithah hydropower development on the Euphrates River in Iraq 4—62428
Dmitriev, V.E. *see* Prokopenko, A.G. 4—40074
Dmitriev, V.G., Kopylov, S.M. Duration of the second harmonic of quasisingle-mode laser radiation under conditions of strong energy exchange 4—42712
Dmitriev-Zdorov, V.B., Surkov, M.N. Approximation of the kernel of a Fourier transformation using two-level functions 4—53652
Dmitrieva, L.A. *see* Gutkin, A.A. 4—31258
Dmitrieva, V.A. *see* Klinkova, L.A. 4—58008
Dmitriyev, O.V. *see* Burov, V.A. 4—38682
Dmitriyev, V.I. *see* Popovskiy, V.V. 4—37799
Dmitruk, N.L. MDS structures based on A^3B^5 semiconductors with a native oxide 4—36342
Dmitruk, N.L. *see* Borkovskaya, O.Yu. 4—36327, 4—59312
Dmochowski, Z. Arrangements to measure physical data of arc furnaces 4—57562
Do, H. *see* Behn, R. 4—42563
Do, M.A. Modern methods of improving the range accuracy of CTFM sonars 4—38699
Do, V.Que *see* Que Do, V.
Do, X. *see* Morin, G. 4—45166
Do, X.-D. *see* Marceau, R.J. 4—34229
Do Hoang Tien A new AM-VSB demodulation method 4—53368
Do Trung Ta *see* Philippow, E. 4—41532
do Vale, A.Almeida *see* Almeida do Vale, A.
Do Van Que *see* Van Que Do
Doane, J.L. Parabolic tapers for overmoded waveguides 4—41546
Doane, J.L. Parabolic tapers for overmoded waveguides 4—58492
Doane, R.C. Recovering low-level heat via expansion of natural gas 4—62343
Doane, W. *see* Nuno, A.P. 4—55611
Dobashi, H. *see* Tanaka, R. 4—60765
Dobbeni, D., van Melsen, C. Inspecting steam generators with a fully automated polar manipulator 4—56778
Dobberpuhl, D. *see* Beck, J. 4—51304
Dobberstein, J., Muck, R., Weinacht, T. Modular user software system for load control 4—39773
Dobbins, J.T., Van Lysel, M.S., Hasegawa, B.H., Peppler, W.W., Mistretta, C.A. Spatial frequency filtering in digital subtraction angiography (DSA) by real-time digital video convolution 4—49147
Dobbins, P.F. The use of non-ideal microphones in directional arrays 4—44342
Dobbs, G.C. A beginners' receiver kit 4—38481
Dobbyn, R.C. *see* Spal, R. 4—56058
Dobbyn, R.C. *see* Takagi, S. 4—56124
Dobeck, G.J. *see* Saylor, F.G. 4—38101
Dobele, H.F., Ruckle, B. Application of an argon-fluoride laser system to the generation of VUV radiation by stimulated Raman scattering 4—37439
Dobias, W.J. What is a videotex encyclopedia? 4—48145
Dobie, W.C. Economic case for electric boiler systems applied to industrial processes 4—50225
Dobinson, D.J. Need the selection of m.c.b.s be so complicated? 4—45546
Dobkin, D., Gibbons, J.F. Thermal pulse diffusion of Zn in GaAs from an elemental source 4—51990
Dobkin, D.M., Gibbons, J.F. Monolayer surface doping of GaAs from a plated zinc source 4—36427
Dobkowski, J. *see* Balakier, G. 4—42470
Dobos, K., Armgarth, M., Zimmer, G., Lundstrom, I. The influence of different insulators on palladium-gate metal-insulator-semiconductor hydrogen sensors 4—39152
Dobos, K., Strotman, R., Zimmer, G. Performance of gas-sensitive Pd-gate MOSFETs with SiO_2 and Si_3-N_4 gate insulators 4—48836
Dobosiewicz, J. Header defects in high pressure steam boilers 4—45301
Dobre, S. *see* Sora, C. 4—59700
Dobricic, D. Determining the parameters of a receive system in conjunction with cosmic radio sources 4—44195
Dobrin, A., Novak, F. Freerunning the M68000 4—51077
Dobrolyubova, A.G. *see* Bessonova, S.V. 4—42388
Dobrovol'skis, A.T. *see* Sakalauskas, S.Yu. 4—50998
Dobrovol'skis, Z. *see* Akopyan, A.A. 4—46819
Dobrow, S.A. Weather-sensitive electric load simulation: a powerful tool in today's decision environment 4—49543
Dobrowolski, K., Just, J., Matuszczak, M. The method of μP—system bipolar circuits dynamic parameters testing—software approach 4—47119
Dobryakova, G.A., Koryagin, O.G., Shteinvarg, L.G. Study of the operating characteristics of lamps for outdoor lighting 4—40585
Dobrzhanskii, R.I. *see* Kozitskii, B.D. 4—39234
Dobson, B., Ewins, D.J., Parkes, D.A.C., Sidhu, J. Comparison of predicted and measured modal properties [vibration analysis] 4—55772
Dobson, N. Car radio aerial preamplifier 4—35026
Dobson, R.R. *see* Whiffen, E.L. 4—40659
Dobychin, V.K. *see* Gel'man, M.V. 4—41199

Docchio, F., Magni, V., Ramponi, R. Thyratron-switched N_2 atmospheric-pressure oscillator, low-pressure amplifier laser system [pump for DFB dye laser] 4—37408
Dochat, G.R., Vaughn, D. Army development of Stirling engine-generator sets 4—40216
Dockerty, R.C. Fully passivated transistor process 4—30604
Dockerty, R.C. Self-aligned subcollector/isolation using polysilicon masking 4—36402
Dockerty, R.C. Submicron poly-poly gap fabrication 4—36480
Dockerty, R.C. Polysilicon base transistor sidewall thickness measurement technique 4—42039
Dockerty, R.C. Transistor process enhancement 4—42145
Dockerty, R.C. *see* Ahlgren, D.C. 4—36478
Dockerty, R.C. *see* Beyer, K.D. 4—36843
Dockery, G.D., Claus, R.O. Calculation of ultrasonic field propagation in fluids using finite difference techniques 4—56358
Dockrill, A.G. *see* Becchetti, F.D. 4—39236
Dockswell, S., MacMurray, A.C. Well begun is half done [military equipment testability] 4—45943
Dodd, N.L. The Middle East: defence communications 4—60315
Doddington, G.R. *see* Papamichalis, P.E. 4—53529
Dodds, B. Management and charging of communications services 4—43532
Dodds, D.E. A digital method for ADM/CPCM code conversion 4—31893
Dodds, D.E., Button, L.R., Pan, S.M. Robust frame synchronization for noisy PCM systems 4—31825
Dodel, G. *see* Salzmann, H. 4—37430
Dodel, H. *see* d'Orville, H. 4—38508
Dodgen, S.L. *see* Bills, D.G. 4—44642
Dodington, S.H. Civil navigation aids in ITT 4—38700
Dodu, J.C., Hautot, A., Pages, A. Taking into account availability and security in planning studies for EHV systems 4—34124
Dodunekov, S.M., Manev, N.L. Characterization of two classes of codes that attain the Griesmer bound 4—59943
Dodzina, T.Ya. *see* Chalisov, Yu.I. 4—44591
Doe, N.G. *see* Bloch, P.D. 4—52434
Doe, P.J., Mahler, H.J., Chen, H.H. The liquid argon time projection chamber 4—33638
Doemens, G. Pattern recognition for automated inspection and product control 4—43462
Doemens, G., Mengel, P. Automatic mask alignment for X-ray microlithography 4—36725
Doemens, G., Mengel, P. Precision measurements with image processing for semiconductor device manufacture 4—55694
Doerffer, R. The NDR small computer as a logic analyser 4—61291
Doering, C.E. *see* Kenison, L.M. 4—58641
Doeringer, W. Approximating general Markovian decision-problems by clustering their state- and action-spaces 4—35359
Doerre, G.W., Gray, K.S., Kilmer, C.A. TTL input buffer with variable input levels [for MOS RAM] 4—46463
Doesborgh, A.H.P. *see* Streeter, W.J. 4—35100
Doeuff, R.Le *see* Le Doeuff, R.
Doganis, K. *see* Scharfetter, D.L. 4—36741
Dogaru, M. *see* Vlad, N. 4—62564
Doghmane, A. *see* Snell, A.J. 4—52785
Dogliotti, R., Pellegrini, G. Economics of fibre systems in local distribution networks 4—60826
Dogniaux, R., Grueter, J.W., Kasten, F., Page, J.K., Perrin de Brichambaut, C., Treble, F.C., Palz, W. Solar meteorology (units and symbols): Recommendations by the solar energy R&D programme of the European Community 4—33083
Doherty, J.A., Steyer, M.F. A focused ion beam system for the generation of submicron patterns 4—36661
Doherty, M.D. *see* Moore, S.C. 4—56098
Doherty, M.J. Application of state-of-the-art programmable multiplexer in a gun launch environment 4—48769
Doherty, M.J. *see* Beck, J. 4—51304
Doherty, P.H. *see* Soicher, H. 4—47618
Doherty, S.P. *see* Peach, R.C. 4—52364
Doherty, T.J., Kannberg, L.D., Marshall, R.P. Initial operation of the compressed air experiment at Pittsfield, Illinois 4—40520
Dohler, G. AC space charge effects in gyrotrons 4—30255
Dohler, G. The lasing mechanism in fast-wave devices 4—36215
Dohler, G. Peniotron interactions in gyrotrons. I. Qualitative analysis 4—41757
Dohler, G. Peniotron interactions in gyrotrons. II. Quantitative analysis 4—41758
Dohler, G.H. 'n-i-p-i-crystals' semiconductors with controllable electronic properties 4—51995
Dohler, G.H., Ruden, P. Properties of n-i-p-i doping superlattices in III-V and IV-VI semiconductors 4—58785
Dohsen, M. *see* Kato, Y. 4—41440
Doi, A. Photolithography in production of 1 MHz crystals 4—52354
Doi, A., Abe, S. Coordinated synthesis of power system stabilizers in multimachine power systems 4—56427
Doi, A., Abe, S. Coordinated synthesis of power system stabilizers in multimachine power systems 4—56456
Doi, E. *see* Nakayama, T. 4—38408
Doi, H. *see* Mizukami, Y. 4—56561
Doi, J. *see* Mittal, S. 4—57847
Doi, K., Shinmura, T., Ohnishi, T., Kawasumi, T. A computer control system of the reheating furnace for continuous cast bloom 4—57563
Doi, K. *see* Tanaka, S. 4—51172
Doi, S. *see* Hanita, A. 4—56934
Doi, S. *see* Tokumasu, T. 4—56929
Doi, T. *see* Tamura, M. 4—51982
Doinikov, N.I., Eregin, V.E., Sychevskii, S.E., Titov, V.A. Field structure at the ends of a precision superconducting dipole magnet 4—52518
Doinikov, N.I., Sychevskii, S.E. Magnetic field of saddle-shaped shell coils 4—52519
Doke, T., Hayashi, T., Matsumi, I., Matsushita, M., Tawara, H., Kawagoe, K., Nagano, K., Nakamura, S., Nozaki, M., Orito, S., Ogura, K. Search for massive magnetic monopoles using plastic track detectors characteristics of CR-39 plastic for detecting monopoles 4—55963
Dokic, B.L., Bundalo, Z.V. Stability analysis of *RC* oscillator using CMOS transistors 4—41236
Dokie, B.L. CMOS Schmitt trigger with wide hysteresis 4—41322
Dokos, D. *see* Melstrand, O. 4—30616
Dokos, D. *see* Preckshot, N.E. 4—30765, 4—36830
Dokuchaev, Yu.M. *see* Gorelik, D.G. 4—33357
Dolan, R., Miller, L.K., Olejar, L.L., Salem, E. The key to superior water chemistry at a PWR nuclear station 4—49695
Dolan, R.J. *see* Jocher, W.F. 4—49680
Dolat, V.S., Flynn, G.T. Integration of multiple elastic convolvers into a communication signal processor 4—52408
Dolbakyan, A.E. *see* Bagramyan, A.G. 4—54139
Dolbilov, A.S., Pavlov, P.A., Privalov, V.Ye., Shapoval, V.Z. Investigation of striations in small-dimensioned He-Ne lasers 4—31322
Dolezal, F.A., Harvey, R.J., Palmer, A.J., Schumacher, R.W. Mode structure of a low-gain low-voltage free-electron laser 4—52836
Dolezal, M. Optimal and real lightning arresters 4—62227
Dolezel, I. *see* Kulda, J. 4—45473
Dolezel, I. *see* Preiningerova, V. 4—40288
Dolfi, D., Moll, N. Thermooptic bypass switch for multimode optical fibers 4—54821
Dolgachev, G.I., Zakatov, L.P. Increasing the duration of magnetic insulation 4—51730
Dolgih, V.E., Cherkashenko, V.M., Kurmaev, E.Z., Goganov, D.A., Ovchinnikov, E.K., Yarmoshenko, Yu.M. X-ray fluorescent spectrometer with linear position sensitive detector 4—56033
Dolgii, A.V. *see* Il'inskii, A.S. 4—42961
Dolgikh, V.A. *see* Adushkin, A.V. 4—42559
Dolgikh, V.E., Cherkashenko, V.M., Kurmaev, E.Z. Computer-controlled 'Stearat' X-ray spectrometer 4—61743
Dolginov, L.M. *see* Drakin, A.E. 4—47455
Dolgopolov, V., Mazure, C., Zrenner, A., Koch, F. Surface conductivity measurements by a capacitive coupling technique 4—51888
Dolgopolov, V.T, Dorozhkin, S.I., Shashkin, A.A. Magnetoresistance of inversion and accumulation layers in MOS structures on *p*-Si(100) 4—30446
Dolidovich, G.T. *see* Lobanov, A.A. 4—55671
Dolidze, R.V., Mostovoi, I.V. Ensuring provision of predetermined metrological reliability in analogue measuring channels by parametric compensation method 4—55132
Dolinar, D., Jezernik, K., Grcar, B., Gojic, I. Dynamic model of power system 4—34090
Dolinskii, Yu.M. Mathematical model for calculating stability of electric contacts in flow of through currents 4—40348
Dolinskii, Yu.M. Calculation of electric contact wear due to heavy current arcing [circuit breakers] 4—57247
Doll, A. *see* Bernard, J.J 4—54793
Dolmazon, J.M. *see* Dologlou, Y. 4—37907, 4—59973
Dol'nikov, L.L., Seleznev, S.V., Shragin, N.V. High head regulating diaphragm gate 4—45328
Dolocan, V. Noise in some semiconductor thin films 4—41842
Dologlou, Y., Dolmazon, J.M. Speech recognition using a model of peripheral auditory system 4—37907
Dologlou, Y., Dolmazon, J.M. Comparison of a model of the peripheral auditory system and LPC analysis in a speech recognition system 4—59973
Domac, T *see* Sever, S. 4—32188
Domae, A. *see* Miyahara, H. 4—61791
Domae, M. *see* Akino, K. 4—32613
Domae, Y., Hirato, K., Ueno, T., Hasegawa, H., Aida, F., Ando, K. Development of fire-protection trough for 500 kV oil-filled cable 4—34188
Domagala, J., Krajewski, G., Kucewicz, W., Wasowicz, Z. Intensive investigations of the life of GML-026 power microcircuits 4—30225
Domahidy, G. *see* Long, R. 4—49781
Domanico, P.T. A technical note on GPS Navstar pseudo random noise signal assembly (PRNSA) 4—38731
Domanov, V.N., Knlik, A.I. Determination of the basic data for the thermal design of a cooling pond 4—49726
Domanski, M. Structural pseudolosslessness and structural pseudopassivity of 1-D and 2-D digital filters 4—53744
Domanski, T., Wojda, A., Chruscielewski, W., Zorawski, A. Plate-out effects in the passive track detectors for radon and its daughters 4—55968
Domanski, T. *see* Chruscielewski, W. 4—55972
Domaradzka, S. The discharge time lag measurements in the small gas cavities 4—59070
Domaradzki, J. A decomposition of the electric power system to control voltage levels and the reactive power flows 4—56416
Domas', I.M. *see* Bregadze, Yu.I. 4—33907
Domashevskii, B.N., Kolykhalov, V.K., Simonov, N.P. Ferrosonde flaw detector MFD-4K 4—35537
Domashevskii, B.N., Rakhimov, V.F. Design parameters of local magnetizers for defectoscopy 4—58092
Dombrowski, G.E. Matrix formulation of Slater's cavity perturbation theorem 4—31603
Dome, G.J., Moore, R.K., Birrer, I.J., Van Sickle, K. Use of a satellite multifrequency radiometer to determine attenuation suffered by a satellite radar 4—39713
Domenici, C. *see* Dario, P. 4—48892
Domenico, D.Di *see* Di Domenico, D.
Domer, W., Moller, U. Computer-aided plant design with RAPAS 4—62342
Domic, A. *see* Cuykendall, R. 4—42108, 4—52246
Domic, A. *see* Southard, J.R. 4—36784
Domingo, C., Ortega, M., Fernandez, F., Vidal-Quadras, A., Font, J.L., Baixeras, C., Casas, M. A study of etching conditions and resolution power of plastic detector CR-39 4—55859
Domingo, J.J. *see* Bertl, W. 4—33757
Domingo, V. *see* Thompson, A. 4—55956
Dominguez, D. *see* Wohltjen, H. 4—61370
Dominguez, D.D. *see* Murday, J.S. 4—45111
Dominguez, J.L.Alvarez *see* Alvarez Dominguez, J.L.
Dominguez, J.M. *see* Oter, R. 4—49252
Dominguez, J.Sanchez *see* Sanchez Dominguez, J.
Dominguez Dura, G. Programs concerned with electronics. I. Equations for components in series and parallel 4—35583
Dominguez Dura, G. Passive attenuators 4—51394
Dominy, L., Webb, A.B., Curtis, T.E. Integrated sensor and navigation systems for small remotely controlled vehicles 4—44181
Dommann, D. Plebis—the simulation of managerial decision processes and their effects on energy and applied economics 4—57751
Dommel, H.W. *see* Brandwajn, V. 4—45067
Dommers, R.W. Design and maintenance of valve packing systems to prevent leaks 4—40829
Domzalski, T., Maczynski, E., Olech, W., Reich, E. Processing electric oil 4—45495
Don Seo Hee *see* Hee Don Seo
Donachy, J.H. *see* Rosenberg, G. 4—49312
Donaghy, J.J. *see* Stirling, W.L. 4—61650
Donahoe, T.S., Colver, G.M. Bubble-rise velocity in AC and DC electrofluidized beds 4—47544
Donahue, J.B. *see* Phillips, G.C. 4—39425
Donakowski, T., Blazek, C., Novil, M., Daniels, E. A plan for hydrogen use in a rural Alaskan community 4—49660
Donaldson, A.M., Sage, W.L., Stringfellow, T.E. Advanced FBC concepts for repowering and cogeneration 4—49760
Donaldson, G.B. *see* Beattie, R.W. 4—52505
Donaldson, J.O. Technical aspects of design and activation of a facility for spacecraft heat pipe processing and testing 4—39641
Donaldson, N.de N. A noble spring-clip: fatigue-resistant electrical connection for implant use 4—56184
Donat, A., Deiters, K. Cutting of piacryl by laser beam 4—59675
Donath, A. *see* Townsend, D. 4—39528
Donazzi, F., Luoni, G. Comparison of different methods in computing electrostatic fields 4—31569
Doncheva, M. *see* Penkov, G. 4—44352
Doncker, E.De *see* De Doncker, E.
Doncker, R.De *see* De Doncker, R.
Done, S., Walls, J.M. A field-ion microscope/imaging atom probe for in situ surface studies 4—41798
Donelon, J.J. *see* Himpsel, F.J. 4—56047
Doner, J.R. A frame synchronization algorithm for high noise environments 4—37809
Dong, C.-Y. *see* Neuvo, Y. 4—47848
Dong, D.W. *see* DiMaria, D.J. 4—35807, 4—52812
Dong, E.V. *see* Carrier, L.M. 4—44868

Dong, H. Modified Berger codes for detection of unidirectional errors [in LSI/VLSI logic] 4—58260
Dong, W.-R., Sengupta, D.L. Optimize performance of dielectric tube antennas 4—59863
Dong Jingxing *see* Xie Peiliang 4—47407
Dong Kim Hee *see* Hee Dong Kim
Dong Shalei *see* Huang Guobiao 4—31451
Dong Xiaoyi, Shen Qiuqin, Yen Xixshu, Chen Jipin Intensity modification of a Gaussian laser beam by acousto-optic effect 4—59579
Dong Xu *see* Quan Zi-yi 4—44232
Dong-quan Huang *see* Huang Dong-quan
Dong-Sub Cho *see* Byung-Chul Kim 4—46411
Donghuan Zhao *see* Zhao Donghuan
Donglai Wu *see* Wu Donglai
Dongsheng Guo *see* Guo Dongsheng
Donguy, P.J. Recent evolution of carbon-carbon nozzles for the apogee boost motor 4—44889
Donhardt, G.L. Microcomputers in education: elements of a computer-based curriculum 4—45862
Doniat, D., Rouget, R. Study of an alkaline fuel cell with matrix and no precious catalyst 4—45619
Doniat, D., Rouget, R. Pile a hydrogene a electrolyte alcalin immobilise (Hydrogen cell solid alkaline electrolyte) 4—62694
Donin, V.I. *see* Alferov, G.N. 4—37332
Donin, V.I. *see* Apolonskii, A.A. 4—37286
Donker de Marillac, M. The French electronic telephone directory 4—48168
Donnadieu, A. *see* Coulibaly, S.P. 4—51802
Donne, A.J.H., van Middlekoop, G., de Vries, L., Lapikas, L., van der Laan, J.B., de Vries, C., Noomen, J.G. The 180° electron-scattering facility at NIKHEF-K 4—56032
Donnelly, D.P., Crean, K. Portable digital recording system for low-complexity environmental signals: wind velocity measurements 4—49019
Donnelly, J.P., DeMeo, N.L., Ferrante, G.A., Nichols, K.B., O'Donnell, F.J. Optical guided-wave gallium arsenide monolithic interferometer 4—59264
Donnelly, J.P. *see* Downey, P.M. 4—33300
Donnelly, V.M., Geva, M., Long, J., Karlicek, R.F. Excimer laser induced deposition of INP and indium-oxide films 4—41075
Donnelly, V.M. *see* Ibbotson, D.E. 4—46939
Donner, F. Digitizing periodically recurring analogue signals 4—41416
Donni, E. *see* van der Voort, E. 4—45911
Donnikov, V.E. *see* Sirota, A.M. 4—39103
Donnington, J. Telemetry by radio communications 4—43696
Donohoe, J.P., Pearson, L.W. Eigenfunction expansion of the electric and magnetic dyadic Green's functions for a perfectly-conducting cylinder of infinite length 4—53148
Donskii, A.V. *see* Veselovskii, A.P. 4—49957
Donskoi, A.L., Shabalin, N.G. Improving the maintenance of electronic equipment 4—40787
Donskoi, E.N. *see* Alekseev, G.S. 4—49077
Donskoi, E.N. *see* Bogdankevich, O.V. 4—42606
Donth, H. *see* Eigler, H. 4—42066
Dontschev, S., Veleva, M., Dzakov, A., Kolev, K. Ion implantation in thin tantalum films 4—30127
Dooley, L.S. Optimum design strategy for a thermocouple simulator 4—39160
Dooley, P.K., Murray, C.R. Nonflammable liquid transformers in paper mill applications 4—50267
Dooremolen, W.H.A.van *see* van Dooremolen, W.H.A.
Dooren, J.P.Van *see* Van Dooren, J.P.
Dooren, P.Van *see* Van Dooren, P.
Doormann, V. *see* Krumme, J.-P. 4—37002
Dopazo, J.F., Horowitz, S.H., Kelley, W.R., Maliszewski, R.M. The new AEP system control center 4—49547
Dopel, E. *see* Dietel, W. 4—47435
Doraiswami, R., Sharaf, A.M., Castro, J.C. A novel excitation control design for multimachine power systems 4—45009
Doraiswami, R. *see* Sharaf, A. 4—34107
Doraiswami, R. *see* Sharaf, A.M. 4—56489
Doran, N.J. *see* Nelson, B.P. 4—59213
Doran, S.K. Self-tuning notch filter 4—51419
Doran, S.K. Method of detecting pacemaker spikes in an electrocardiograph signal and uniquely encoding them on an ambulatory recorder 4—56183
Dorband, B., Tiziani, H.J. Design of compensation-systems for the interferometric testing of aspherical surfaces 4—31509
Dordea, T., Dordea, T.P. Armature equivalent impedance of a multiple squirrel cage machine with bars superimposed in the same slots 4—62531
Dordea, T.P. *see* Dordea, T. 4—62531
Dordick, H.S., Lum, P. New telecommunications policy in the US: Who benefits? Who doesn't? 4—32152
Dorenkamp, E. *see* Beck, J. 4—51304
Dorey, J., Blanchard, Y., Christophe, F. The RIAS project, a new approach to aerial surveillance radar 4—60902
Dorf, R.C. Managerial and economic barriers and incentives to the commercialization of solar energy technologies 4—29183
Dorf, R.C. The corporation culture as a tool for technology management 4—50390
Dorfman, J.L. *see* McGill, K.C. 4—49198
Dorfman, L.J. *see* McGill, K.C. 4—56138
Dorfner, F.J. Responding flexibly: a new-generation VLSI test system 4—30679
Dorfner, F.J. The combination set: IC tester measures linear and digital modules 4—52181
Doring, A., Filipiak, B. Evaluation of an automatic blood pressure device for use in blood pressure screening programs 4—49123
Doring, H., Mothes, W. A logic analyzer for the K1520 4—29923
Doring, H. *see* Chen, Z.G. 4—58699
Doring, J. Investigation of SAW structures by the analysis of the pulse response 4—42213
Doring, J. Application and technology of the Btx-computer link 4—54269
Dorison, E. *see* Bourjot, P. 4—56628
Dorkings, C. *see* Hickson, A.G. 4—60674
Dorler, J.A., Jordy, G.J., Mosley, J.M., Ritter, G.A. Saturated CTS memory cell using a PNP load 4—35805
Dorler, J.A., Manca, A., Meyers, S., Presti, F.P., Ricci, R. Low cost, high performance cooling package 4—40871
Dorler, J.A., Mooney, D.B. 'Effective' full dense square hatch reference planes for MLC packaging [multilayer ceramic] 4—36131
Dorler, J.A., Mosley, J. C^2G emitter dot 4—51146
Dorler, J.A., Palmer, R.R. Improved LVI circuit [low voltage invertor] 4—50953
Dormail, J., Tajima, Y., Mozzi, R., Durschlag, M., Morris, A.M., McOwen, S.A. A 2-8 GHz 2 Watt monolithic amplifier 4—30113
Dorman, R.E. IMCONS in chirp radar systems give −40 dB sidelobes 4—56344
Dorn, B. New Btx technology—status of realisation and prospects 4—54266
Dorn, H. Broadband compander for noise reduction 4—61143
Dornbusch, W. Electronic chargeable-time clock for trunk switchboard 4—29981
Dorner, P., Gust, W., Predel, B., Roll, U., Lodding, A., Odelius, H. Investigations by SIMS of the bulk impurity diffusion of Ge in Si 4—36257
Dorner, W. Tasks and problems of the measurement technique at the production of photolithographic masks 4—55692
Dorney, S. *see* Wong, K.-F.V. 4—57370
Dornstetter, J.L. On the computation of the product of two polynomials over a finite field 4—41003
Dorntlein, P. A glance at glass fibers 4—60313
Dorokhina, T.P. *see* Daletskii, G.S. 4—57341
Doron, B. Electricity from solar ponds 4—34518
Doronin, M.S. *see* Aminov, R.Z. 4—45223, 4—56742
Dorosh, V.S., Oduvalina, I.A., Khotnyanskaya, E.B., Yakovenko, N.A. Optical properties of diffused waveguides on glass substrates 4—37140
Doroshchenko, G.D. *see* Kozhemyako, V.P. 4—38831
Doroshenko, N.A., Verkhovets, A.K., Sobina, L.I., Kravchenko, Z.F. Preparation of a neodymium-gallium garnet 4—35457
Doroshenko, V.A. Electric dipole excitation of a circular cone with longitudinal slits 4—42846
Dorosz, J. *see* Romaniuk, R.S. 4—42335
Dorozhkin, S.I. *see* Dolgopolov, V.T 4—30446
Dorris, H.N. Fiber-optic telecommunication system standards 4—54788
Dorris, R.E. *see* Beare, A.N. 4—45245
Dorros, I. Bell Communications Research gets technical for the BOCs 4—54010
Dorsaz, P.-A. *see* Beer, A. 4—61682
Dorsch, C. *see* Kullmann, U. 4—42246
Dorsel, A., Meystre, P. Optical bistability—a basis of the optical computer? 4—53082
Dorsey, A.J. *see* Baras, J.S. 4—46086
Dorsey, J.F., Schlueter, R.A. Structural archetypes for coherency: a framework for comparing power system equivalents 4—44936
Dort, T.J.van *see* van Dort, T.J.
Dorth, A.C.Van *see* Van Dorth, A.C.
Dorth, J., Murata, T. Use of colored Petri nets for modeling PBX systems 4—32574
d'Orville, H., Kaiser, J., Veenstra, L.B., Concaugh, J.M., Dodel, H., Heintz, K., Schambeck, W. International remote conference servicing via satellite using small transportable earth terminals 4—38508
dos Santos, A.F. *see* Barbosa, A.M. 4—53279
dos Santos, A.F. *see* Carpentier, M.P. 4—53278
Dosch, F. PC analyzes filter networks 4—58433
Dosch, F. ANATIME: semisymbolic analysis program for computer-aided filter design 4—58449
Dosch, M., Zapel, G. EWSD projecting on the basis of a test switching station 4—43881
Doscher, J., Gerstenhaber, M. Current output preserves temperature IC's accuracy 4—39145
Doser, M. *see* Bertl, W. 4—33757
Dosh, M.K. GPS weapon delivery 4—38728
Doshi, B.T., Lipper, E.H. The throughput performance of a prioritized LIFO service discipline 4—57901
Doshita, S. *see* Kitazawa, S. 4—53470
Doss, J.D. Passive dosimeters for RF and microwave fields 4—33909
Doss, J.D. *see* Dicello, J.F. 4—29857
Doss, L., II, Smetanka, T.D. SNA advanced communications function release 3: as implemented by ACE/TCAM 4—32444
Doss, S. *see* Fawley, W.M. 4—47379
Doss, S. *see* Rossi, E.M. 4—31015
Doster, W., Oed, R. On the analysis of handwriting supplied as a direct input 4—38068
Dostert, K. Automatic classification of jammers in spread spectrum burst transmission systems 4—37680
Dosza, J. Power supply of the Budapest tramway and trolley bus mains 4—34993
Dote, Y., Manabe, T., Murakami, S. Microprocessor-based force control for manipulator using variable structure with sliding mode 4—57092
DoThanh, L., Balk, P. Identification of charge carrier type in MIS structures with Al_2O_3 gate insulator 4—30461
DoThanh, L. *see* Reuters, P.J. 4—46884
Dotsenko, Yu.P. *see* Babich, V.M. 4—58720
Dotsenko, Yu.P. *see* Baranskii, P.I. 4—36256
D'Ottavio, E.D. *see* Grunwald, J.J. 4—58953
Dotti, D. *see* Certo, M. 4—49488
Dotti, E. *see* Farneti, F. 4—62194
Doty, A. Improving vertical antenna efficiency: a study of radial wire ground systems 4—31796
Dou, R., Milstein, L.B. Error probability bounds for DS spread spectrum communication systems with peak interference exceeding desired signal level 4—43950
Dou, R.-H., Milstein, L.B. Error probability bounds and approximations for DS spread-spectrum communication systems with multiple tone or multiple access interference 4—53332
Dou Airong *see* Shangguan Cheng 4—31297
Douarre, R. *see* Audoux, C. 4—56627
Doubrava, L.J. *see* Tripathi, V.K. 4—58228
Doudna, J.H. *see* Lauby, M.G. 4—62135
Dougal, R.A. *see* Lewis, J. 4—30824
Dougherty, D. *see* Krouskop, T.A. 4—49112
Dougherty, D.M., Stephens, D.B. The lasting qualities of PERT: preferences and perceptions of R&D project managers 4—29192
Dougherty, G.R. *see* Stanley, W.D. 4—35126
Dougherty, H., Kelley, J., Rodden, J., Tompetrini, K., Meadows, P., Abernethy, R. Space Telescope pointing control system simulator 4—44827
Dougherty, R. *see* Stanley, W.D. 4—35126
Doughty, K., Das-Gupta, D.K., Cooper, D.E. Humidity and surface conductivity in polyethylene 4—59091
Doughty, R.L., Vosicky, J. Optimum use of distribution transformers to derive resistance ground sources for medium voltage delta-connected power sources 4—57142
Douglas, J. PCB detection in the field 4—35237
Douglas, J.A., Binns, P.J. The effect of temperatures up to 130°C on the responses of TLD 700 4—33891
Douglas, M.A. *see* Shichijo, H. 4—36627
Douglas, N.G. *see* Brand, G.F. 4—36205, 4—58693
Douglas, R.J. *see* Costain, C.C. 4—39333
Doumenc, A., Horvilleur, J., Lemaitre, J.-L. Management of a MV/LV transformer yard 4—34715
Doumerc, J.P. *see* Campet, G. 4—37204
Dounan Zhuang *see* Zhuang Dounan
Doutt, J.R. *see* Brueck, T.M. 4—54174
Douville, R.J.P. *see* Gajda, G.B. 4—29689
Dovbeshko, A.A. *see* Shpak, I.V. 4—31418
Dovbnya, B.A., Kornienko, L.G. Gradient algorithm for the working of an adaptive antenna array with accelerated convergence 4—42980
Dove, W. *see* Myers, C. 4—60008
Dover, R.B.van *see* van Dover, R.B.
Doverman, G.I., Gonoboblev, A.S., Shvarts, A.L., Gombolevskii, V.I., Bulgakova, N.V. Study of boiler unit performance of a single boiler single turbine 800 MW unit under conditions of sliding steam pressure 4—34424
Dovgal', V.P. *see* Nikolaev, G.A. 4—40336
Dovganyuk, I.Ya., Murzakov, A.G., Vykhota, O.M., Nesterovich, L.K., Koval'chuk, E.S., Prilutskii, S.V., Maslennikova, N.S. Nonsynchronized synchronous motor for blow fan 4—40231
Dovganyuk, I.Ya., Zabrovskii, S.G., Kabanov, P.S., Lazarev, G.B., Mamikonyants, L.G., Tolstov, Yu.G., Shakaryan, Yu.G. Problems in design and use of large controlled electric drives of mechanisms for power station auxiliaries 4—57384
Dovgoshei, N.I. *see* Firtsak, Yu.Yu. 4—37190, 4—59297
Dovgoshei, N.I. *see* Kacher, I.E. 4—52759
Doviak, R.J., Zrnic', D.S. Reflection and scatter formula for anisotropically turbulent air 4—47606
Doviak, R.J. *see* Zrnic, D.S. 4—47597

Dovletov, K. Relationship between the physico-chemical and electrophysical properties of semiconducting compounds of the $A_2^{I}B^{IV}C_3^{VI}$ $A_4^{I}B_3^{IV}C_5^{VI}$, $A^{III}B^{IV}C_2^{VI}$, and $A_2^{III}B^{IV}C_3^{VI}$ types 4−58758

Dovnarovich, L.A. *see* Skvortsov, T.A. 4−43360

Dovoshev, V.P., Yamnyi, V.E. Limiting dynamic range of functional analogue-digital converters 4−58394

Dow, J. *see* Seguin, H.J.J. 4−31423

Dow, J.D. Disordered structures 4−41872

Dow, R. *see* Spinks, J.A. 4−33835

Dowdy, E.J. *see* Hsu, H.H. 4−39446

Dowdy, E.J. *see* Moss, C.E. 4−44686

Dowdy, L.W., Gordon, K.D. Algorithms for nonintegral degrees of multiprogramming in closed queuing network 4−29333

Dowell, J.T. *see* Faught, A.N., Jr. 4−37651

Dowell, R.I. *see* Divekar, D.A. 4−30618

Dower, G.E., Bastos Machado, H. Accurate computer measurement of QRS duration 4−49243

Dower, G.E. *see* Machado, H.B. 4−49242

Dowerah, S. *see* Chakrabarti, A. 4−31725

Dowla, F.U., Lim, J.S. Relationship between maximum-likelihood-method and autoregressive modeling in multidimensional power spectrum estimation 4−53693

Dowla, F.U. *see* Nawab, S.H. 4−53690

Downey, D.F. *see* Russo, C.J. 4−36424

Downey, P.M., Jeffries, A.D., Meyer, S.S., Weiss, R., Bachner, F.J., Donnelly, J.P., Lindley, W.T., Mountain, R.W., Silversmith, D.J. Monolithic silicon bolometers 4−33300

Downey, P.M., Schwartz, B. Picosecond photoconductivity in $^3He^+$ bombarded InP 4−59307

Downing, C.P. Proposal for a digital pseudorandom number generator 4−41285

Downing, P., Gwozdz, P., New, B. Denser process gets the most out of bipolar VLSI 4−52267

Downs, D. Spare gate improves stepper driver 4−45578

Downs, M.J., Turner, N.P., King, R.J., Horsfield, A. Linewidth measurement on photomasks using optical image-shear microscopy 4−51970

Downs, T., Cook, A.S., Rogers, G. A partitioning approach to yield estimation for large circuits and systems 4−50900

Downs, W.R. Maintainability aspects in maintenance management 4−45941

Downton, A.C. Computers and microprocessors, components and systems 4−57731

Doyle, B.L., Wing, D. 3-D nondestructive testing 4−50848

Doyle, J.E. *see* Agnelo, R.W. 4−46711

Doyle, J.F. *see* Lang, R.C. 4−49540

Doyle, M. *see* Chester, D. 4−37909

Doyle, N.E. *see* Webster, A.T. 4−61180

Doyle, P., Schroeder, L., Brewer, S. An evaluation of the equipment tagging process in nuclear power stations 4−45244

Doyon, L.R. *see* Peyron, F. 4−35264

Doyukhenko, V.P., Borodaev, V.A., Lyapunov, N.V. A frequency multiplier using a dielectric resonator 4−41561

Drabovich, Yu.T., Ostapenko, V.N., Ostapenko, S.N. Thermal stability of parallel connected electrically conducting elements 4−58552

Drach, J. *see* Ahlen, S.P. 4−55955

Drach, J. *see* Salamon, M.H. 4−61713

Drachman, B. Two methods to deconvolve: L_1-method using simplex algorithms and L_2-method using least squares and parameter 4−37927

Drachuk, L.N. *see* Averin, A.P. 4−42549

Dragan, Ya.P. On harmonisation of random processes with finite energies 4−50632

Dragan, Ya.P., Mezentsev, V.P., Yavorskii, I.N. Spectral characteristic values of periodically correlated random functions 4−50634

Draganescu, M. Function and architecture in functional electronics 4−58116

Draganov, V.M. *see* Knyaz', A.I. 4−31717, 4−42762

Draghici, I., Dima, I. Digital multimeter 4−55547

Draghici, I. *see* Dima, I. 4−46350

Dragoman, M.L. Towards a new concept in electromagnetic scattering−analysis and synthesis in time or in frequency domain. I. Basic concepts analysis in frequency domain 4−37567

Dragone, C., Legg, W.E. Quarter-wave corrugated transformer for broadband matching of a corrugated feed 4−37697

Dragoset, R.A. *see* Coleman, R.V. 4−36356

Dragosevic, M. *see* Stankovic, S.S. 4−60146

Dragoshansky, Y.N. *see* Shur, Y.S. 4−42278

Dragovic, I. Building of small-size hydro power stations in the world and in our country 4−45339

Dragulinescu, D., Grigoriu, C., Udrea, E., Udrea, M.V. On the laser triggered spark-gap mechanism 4−42754

Draheim, P. Principles of colour television signal processing 4−38804

Draheim, P. Development perspectives in analog colour-television signal processing 4−44219

Draheim, P. *see* Demmer, W. 4−53377

Draheim, W.A., Furgason, E.S. A two dimensional approach to clutter rejection in ultrasonic images 4−53782

Drahny, M. Management and research in a nuclear power complex 4−45210

Drahohovsky, Z. *see* Blecha, Z. 4−30545

Drahy, J. A 1000 MW saturated steam turbine supplied with superheated steam from the Skoda works in Plzen 4−56822

Drajeva, L.I. Study of electrophotographic properties of crystalline poly-(N-vinylcarbazole) layers 4−41853

Drajeva, L.I., Klein-Szymanska, B. Dark conductivity in crystalline poly(N-vinylcarbazole) layers 4−41919

Drajic, D.B. *see* Lazic, D.E. 4−43186

Drake, A.D., Leiner, D.C. A fiber Fizeau interferometer for measuring minute biological displacements 4−49165

Drake, C.P. *see* Thompson, P.H. 4−50412

Drake, J.D. *see* LoVecchio, P. 4−36324

Drake, J.M., Costales, B., Jorda, J., Lope, J., Sanchez, A. Microprocessor based electronic simulator for cardiac physiology teaching 4−49255

Drake, J.M. *see* Gonzalez Harbour, M. 4−52216

Drake, J.M. *see* Gregorio, J.A. 4−41470

Drake, J.M. *see* Harbour, M.G. 4−50904

Drake, J.M. *see* Sanchez, A. 4−49247

Drake, P. Distributed office systems 4−43814

Drake, W. Industry-university collaboration to enhance instructional capability for engineering technology 4−35171

Drakin, A.E., Eliseev, P.G., Sverdlov, B.N., Dolginov, L.M., Shevchenko, E.G. Low-threshold current density InGaAsP/InP injection lasers with three-layer-waveguide double heterostructure ($j_{th} \simeq 0.5$ kA/cm^2 at 300K) 4−47455

Drakunov, S.V. An adaptive quasioptimal filter with discontinuous parameters 4−43293

Dralyuk, B.N. *see* Filatov, A.S. 4−57594

Drane, M. *see* Charalambous, P.M. 4−39424

Drapella, A. Examination of the fault intensity function process of electronic elements using the Weibull distribution network 4−35569

Draper, R.W. How to avoid cold laps in short circuits GMAW 4−62872

Drapiy, V.A. Statistical characteristics of signals in compound TWT amplifiers in the presence of intermodulating interference 4−30273

Dravida, S., Woods, J.W., Shen, W.C. A comparison of image filtering algorithms 4−53934

Dravskikh, A.F., Kosheleva, O.M., Finkel'shtein, A.M., Fridman, P.A. Possibility of using a reference-object method to form a phase-stable multielement long-baseline interferometric system 4−54920

Dravskikh, Z.V. *see* Esepkina, N.A. 4−32879

Drechsel, H., Trakowski, W., Dreute, J., Sonntag, S., Brechtmann, C., Rudat, R., Beer, J., Heinrich, W., Benton, E.V., Cassou, R.M. A search for anomalons using plastic nuclear track detectors 4−55953

Dreesen, P. *see* Centro, S. 4−55849

Dreessen, J. *see* van Leunen, J.A.J. 4−55162

Dreffke, H. A process to define the saturation magnetisation of thin ferromagnetic layers 4−42231

Dreibinger, L. Microcomputer controlled data acquisition with 'push-button free' measuring system 4−48721

Dreike, P.L. *see* Olsen, J.N. 4−33625

Dreimann, K., Ciessow, G. Drive systems and energy supply systems for magnetic levitation lines 4−50151

Dreissig, D., Ruhl, H.W., Kulas, W. Speech synthesis refined. Computer controls speech parameters 4−37887

Dreschler-Fischer, L., Enkelmann, W., Nagel, H.H. Learning through the observation of scenes with moving objects. Phases in the development of a system 4−38051

Dresner, L. Superconductor stability, 1983: a review 4−42309

Dress, D.A. *see* Kilgore, R.A. 4−61867

Dress, W.B. A high resolution ultrasonic densitometer 4−62006

Dressendorfer, P.V. *see* Lenahan, P.M. 4−30433, 4−41908

Dressler, Z., Janowski, T. Voltage regulator of a magnetic frequency tripler 4−41205

Dreute, J. *see* Drechsel, H. 4−55953

Dreute, J. *see* Trakowski, W. 4−55912

Dreux, M. *see* Fort, B. 4−55226

Drew, H.D. *see* Leung, M. 4−37202

Drewery, J.O. The BBC video noise reducer 4−44246

Drewniak, J. *see* Czogala, E. 4−40945

Drews, P., Frassek, B., Willms, K. Optical sensor system for defining the geometry of workpieces 4−33484

Drews, P., Starke, G. Optoelectronic sensor system for seam tracking 4−55441

Drexler, J. A digital filter for telegraph reception 4−46583

Drexler, J., Fischer, R.D., Heil, R., Huber, K., Kneissl, U., Mank, G., Ratzek, R., Ries, H., Stroher, H., Weber, T., Wilke, W. Arrangements of parallel plate avalanche detectors for electrofission and photofission experiments 4−39419

Dreyer, R.G. TDMA subscriber radio−introduction, seven years' experience, and a new high capacity system 4−60668

Dreze, C. *see* Davis, B.W. 4−39193

Driel, H.M.van *see* van Driel, H.M.

Driel, M.J.van *see* van Driel, M.J.

Driessen, L.M.H.E. On an infinite series of [4*n*, 2*n*] binary codes 4−43108

Driessen, L.M.H.E., Kanters, H.T. A high-speed encoder/decoder for a (shortened) Reed-Solomon code with minimum distance at most seven 4−43197

Driessen, P. *see* Foxall, T. 4−54501

Drimanov, A.P. *see* Basov, N.G. 4−37312

Drioli, B. *see* Carassa, F. 4−60794

Driscoll, C.M.H. *see* Bacci, C. 4−39410

Driscoll, C.T. *see* Baribeau, M.A. 4−34071

Driscoll, J. *see* Boyce, D. 4−35637

Driscoll, M.M. Surface acoustic wave resonator tracking filter for UHF signal stability improvement 4−59114

Driver, G.E. Microphone amp with AGC and control output 4−38938

Driver, L.D., Reeve, G.R. Application of a systematic approach to an investigation of HF interference to a shipboard radar set 4−59800

Driver, M.J., Coombs, M.W. Fit between career concepts, corporate culture and engineering productivity and morale 4−50413

Drob', I.M. *see* Troitskii, V.A. 4−62016

Drobachenko, O.V. *see* Azarenkov, N.A. 4−42875

Drobadenko, V.P., Aleksandrov, I.L., Diminskii, K.V., Sidenko, N.I. Monitoring-measuring equipment for hydraulic mining of metal-bearing ores 4−39091

Drobny, V.F. Relationship between junction radius and reverse leakage of silicide Schottky-barrier diodes 4−46994

Drobot, A. *see* Miner, W. 4−41775

Drobot, A.T. *see* Chang, C.L. 4−30266

Drobot, A.T. *see* Estes, R.D. 4−30263

Drobot, A.T. *see* Ott, E. 4−51692

Drobot, A.T. *see* Vitello, P. 4−41755, 4−51700

Drobot, G.K. *see* Smagin, V.N. 4−40109

Drobyazko, S.V. *see* Abil'siitov, G.A. 4−59389

Drobyazko, S.V. *see* Vedenov, A.A. 4−59656

Drongowski, P.J. System speed, space and power estimation using a higher level design notation [NLSI system design] 4−29591

Drongowski, P.J. *see* Rose, C.W. 4−36707

Dronnik, L.M., Lifits, S.A. Mathematical models of flat MHD induction machine with lateral busbars 4−59712

Drossos, S.N. *see* Goutis, C.E. 4−43442

Drossos, S.N. *see* Leahy, R.M. 4−53684

Drost, M.K. *see* Brown, L.M. 4−40171

Drotleff, A. Economical solution: CAD on personal computers 4−36128

Drouet, G., Faucher, J., Banon, L. Electromechanical torque of inverter fed and stator excited Vernier type reluctance machines 4−34617

Drouhard, J.P. *see* Savard, P. 4−49209

Drouot, L.P., Hillairet, M.J. The Themis Program and the 2500 kW Themis solar power station at Targasonne 4−62463

D'Rozario, A. Capacitor tester 4−30131

Drozdov, A.A. Analysis of a nonlinear equivalent circuit of a laminated magnetic core by a layout method 4−59148

Drozdov, A.P., Linde, Ya.Ya., Tkacheva, O.S., Cherkez, M.V., Yashin, V.M. Service given by the virtual-datagram computer network of TsSu SSSR 4−32460

Drozdov, V.I. *see* Alekseev, A.G. 4−55715

Drozdov, V.V. *see* Novikov, V.V. 4−39839

Drozdov, Yu.N., Kolosov, E.E., Leonov, E.I., Mikhalev, Yu.N., Podol'skii, V.V., Shilova, M.V. Photoconductivity of $Bi_{12}GeO_{20}$ crystals and films 4−37194

Drozen, D. Calculation of weighting constants of a discrete filter 4−31942

Drozhzhinov, V.I., Myamlin, A.H. Some problems in the construction and exploitation of packet switching networks with the interface X.25 4−32469

Drozhzhinov, V.I. *see* Boguslavskii, L.B. 4−43672

Drube, J., Struve, B., Huber, G. Tunable room-temperature CW laser action in Cr^{3+}:GdScAl-garnet 4−42600

Drucker, H., Dattilo, W., Sininger, D., Tsai, S. An X.25 interface to the PLRS/JTIDS network 4−38331

Drucker, J. *see* Moreland, J. 4−46873

Drufuca, G., Viola, G. Design of microstrip 3-dB directional couplers 4−30072

Drug, F.I. *see* Foshko, L.S. 4−40066

Drumm, M.J., Harris, J.B., Ebertin, M. Dual-port static RAMs can remedy contention problems 4−58298

Drummeller, C.C. Traveling-wave antennas 4−31757

Drummond, P.D. *see* Tai, K. 4−42708

Drummond, R.R. *see* Keiner, W.L. 4−45963

Drummond, T.J., Kopp, W., Fischer, R., Morkoc, H. The superlattice barrier capacitor: a structure for the investigation of heterojunction interfaces 4—41868
Drummond, T.J. *see* Fischer, R. 4—52101
Drummond, T.J. *see* Lee, K. 4—36309, 4—52090, 4—58935
Drummond, T.J. *see* Masselink, W.T. 4—51816
Drung, D., Jutzi, W. Simulation of a NDRO memory cell with very small excess current Josephson junctions 4—31063
Drunov, V.A. *see* Bondarenko, V.I. 4—35534
Drury, G.M. After C format—analogue or digital? [VTRs] 4—44293
Druto, N. *see* Przyluski, J. 4—62703
Dryak, P., Kokta, L. Alpha spectrometric sources: their standardisation and practical aspects 4—56006
Dryapiko, N.K., Kovalenko, V.F., Krasnov, V.N., Peka, G.P., Shepel', L.G. The radiative recombination in GaAs (Si,Al) p-n structures 4—59324
Dryja, M. A finite element—capacitance method for elliptic problems on regions partitioned into subregions 4—57995
Drzewiecka, S. *see* Morawska, Z. 4—51644
Drzymkowski, F., Goodman, D. Connectors—the missing link in EMI suppression 4—59760
Du, A.Le *see* Le Du, A.
Du Feu, P.H. FMS for PCB assembly 4—30194
Du Jia-Cong, Zhang Zhong-Pei Tribroken-line dipole 4—42929
Du Jinlin *see* Zhao Bolin 4—44898
Du Pin-zhong *see* Li Hong-fu 4—41754
du Pont, B.Lee *see* Lee du Pont, B.
Du Terrail, Y., Sabonnadiere, J.-C., Masse, P., Coulomb, J.L. Nonlinear complex finite elements analysis of electromagnetic field in steady-state AC devices 4—62497
Du Toit, J.S.R. A microprocessor-based pressure and differential pressure transducer 4—55451
Du Yiren *see* Xu Lingyu 4—51260
Du You-Wei, Lu Huai-Xian, Jiang Ya-Jing, Wang Ting-Xiang The phase transition forming $BaFe_{12}O_{19}$ by hydrothermal synthetic method 4—50836
Du Yunhe *see* Ma Jimao 4—49092
Du-cheng Xiang *see* Xiang Du-cheng
Dua, M.R. Television programming in the service of the deprived in developing countries—with special reference to India 4—32933
Duan Feng *see* Feng Duan
Duan Huachen *see* Hu Guangrui 4—47818
Duane, M.P. *see* Baglee, D.A. 4—58865
Duane, M.P. *see* Duvvury, C. 4—36631
Duarte, F.J., Piper, J.A. Narrow linewidth, high PRF copper laser-pumped dye-laser oscillators 4—37334
Duarte, F.J., Piper, J.A. Multi-pass dispersion theory of prismatic pulsed dye lasers 4—37337
Duato, J. *see* Albertos, P. 4—49896
Dub, P.B., Mizyuk, L.Ya. Analysis of the overall noise figure in the case of complex impedance of the signal source and noise matching conditions 4—60032
DuBard, J.L. *see* Puille, W. 4—53175
Dubasiewicz, W., Kolasa, D. Measurement of coercive force of soft magnetic materials in open magnetic circuits 4—49000
Dubberke, L. *see* Mueller, L.W. 4—49371
Dubchak, A.P. *see* Goltvyanskii, Yu.V. 4—36341
Dubchak, A.P. *see* Nabok, A.V. 4—30443
Dube, L. *see* Lowell, F.C., Jr. 4—49806
Dubery, J.M. Installation and use of a very low-cost network 4—32345
Dubes, R.C. *see* Biswas, G. 4—38036
Dubey, G.K. *see* Anjaneyulu, P.B. 4—50121
Dubey, G.K. *see* Murty, Y.V.V.S. 4—57222
Dubey, G.K. *see* Naik, K.B. 4—57065
Dubey, G.K. *see* Patel, H.K. 4—57376
Dubey, G.K. *see* Prasad, E.S.N. 4—57437
Dubinin, G.V. *see* Pronyakin, V.T. 4—35553, 4—41133
Dubinov, E.G. *see* Gerasimov, A.I. 4—33406
Dubinsky, S. New ideas: proximity power switch 4—41669
Dubkov, A.A., Yakimov, A.V. Distribution of dwell time within given region in diffusion processes 4—57914
Dubnischev, Yu.N., Zhmug', V.A., Pavlov, V.A., Stolpovskii, A.A. Application of a semiconductor laser in a coherent-optics velocity meter 4—37505
Dubois, B. *see* Wardrip, C. 4—39331
Dubois, D., Prade, H. Ranking fuzzy numbers in the setting of possibility theory 4—29359
Dubois, E., Sabri, S. Noise reduction in image sequences using motion-compensated temporal filtering 4—53899
Dubois, G.E. *see* Nishikawa, S. 4—60537
Dubois, J.C. *see* Serre, B. 4—36382
Dubois, L.H. *see* Schwartz, G.P. 4—51991
DuBois, R. *see* Brashler, M. 4—58992
Dubois, Y. Power subsystems for a low earth orbit station 4—39657
Dubon, C., Azoulay, R., Desrousseaux, P., Dangla, J., Duchenois, A.M., Hountondji, M., Ankri, D. Double heterojunction GaAs-GaAlAs bipolar transistors grown by MOCVD for emitter coupled logic circuits 4—36814
Dubos, J. *see* Auge, J. 4—47280
Dubos, J. *see* Turpin, M. 4—47281
Dubost, G. Improvements in printed-circuit radiating sources and arrays 4—37780
Dubost, G., Beauquet, G., Vinatier, C. Theoretical radiation admittance of a large bandwidth flat symmetrical folded dipole 4—31761
Dubost, G., Gueho, S., Bizouard, A. Log-periodic flat short-circuited dipole array with a squinted beam 4—41550
Dubov, V.S., Lapsker, Ya.E. Feasibility of lasing as a result of chemical radiative collisions 4—31328
Dubovskii, P.E., Lotkova, E.N., Sobolev, N.N., Ponomarev, D.I. Compact CO laser 4—31329
DuBow, J.B. *see* Iskander, M.F. 4—39274
Dubowski, M. Sensitivity analysis of asynchronous motor model controlled by method of current vector direction 4—49866
Dubrovina, O.F. *see* Grotte, A.M. 4—58843
Dubrovskaya, I.M. *see* Vasilenko, P.G. 4—42421
Dubrovsky, V., Siegel, J., Kiesler, S., McGuire, T.W. Simultaneous mode versus sequential mode in real-time computer-mediated conferencing 4—44308
Dubsek, F. *see* Krizek, V. 4—39992
Duc, N.Q., Chew, E.K. Trends towards Integrated Services Digital Networks 4—47996
Duc Hong Le *see* Le Duc Hong
Ducasse, A. *see* Couillaud, B. 4—37335
Duch, R., Lemieux, P. Multichannel MDS: a new medium for videotex delivery 4—54249
Duchemin, J.P. *see* Hersee, S.D. 4—37381
Duchemin, J.P. *see* Hirtz, J.P. 4—29499
Duchenois, A.M. *see* Dubon, C. 4—36814
Duchet, C., Martin, R. Electro-optic modulator on Ti:$LiNbO_3$ with very low drive voltage 4—47297
Duchossois, G. ERS-1 as an ocean measurement tool 4—39738
Duchossois, G. The mission objectives of ERS-1 4—44820
Duchossois, G. Status and future plans for ERS-1 4—44906
Duchowicz, R. *see* Tocho, J.O. 4—59466
Duck, G.M., Goodson, A.D., Griffiths, J.W.R. SEAVISION—a new sector scanning sonar 4—44177
Duckeck, H. Programme by choice: separate traffic wireless receiver in a car radio 4—60694
Duckett, R.J. *see* Blanchard, R.C. 4—44802
Ducklow, J. *see* Koenemann, B. 4—58225
Duckworth, D. Not high, but dry [eliminating water from buried splicing systems] 4—54599
Duckworth, K., Bays, A.R. A modified mode of operation for the Turam electromagnetic exploration system with benefits for deep exploration 4—39687
Duckworth, P.A. Mini hydro plant—the packaged concept 4—45344
Duckworth, W.H. *see* Huval, M. 4—61239
Duclos, D. *see* Mitaut, G. 4—54399
Duclos, J., Leduc, M. Interdigital transducer in a piezoelectric thin film/amorphous substrate structure 4—42221
Duclos, R.A. *see* Neilson, J.M.S. 4—58900
Ducroux, P. *see* Carlqvist, S.G. 4—40560
Dudarev, M.S. *see* Sandovskii, V.A. 4—41134
Dudchenko, L.N. Joint operation of the system for group regulation of frequency and effective power output of state power plant hydroelectric units with automatic emergency equipment 4—40152
Dudderar, T.D. *see* Gilbert, J.A. 4—31503
Dudek, J. *see* Longchamps, J. 4—56798
Dudelzak, B., Eschstruth, P., Grelaud, B., Jullian, S., Lalanne, D., Laplanche, F., Longuemare, C., Paulot, C., Roy, P., Szklarz, G. Geiger tube planes as a trigger for the nucleon lifetime experiment in the Frejus tunnel (France) 4—55821
Duder, J.N. *see* Pickens, G.A. 4—62435
Dudinova, G.V. *see* Gorbunova, K.N. 4—41108
Dudkin, F.L. The effect of cross-section of a long cable on its EM field 4—59825
Dudkin, F.L., Kalashnikov, N.I. A comparative analysis of the operation of infinitely long radiators carrying electric and magnetic currents 4—53191
Dudkin, N.F. Nonlinearity error of unbalanced bridge DC measuring circuits 4—55581
Dudkin, V.A., Librovich, V.B., Rukhin, V.B. Continuous CP chemical laser with a 2-m-long active region 4—37308
Dudko, D.A., Tovmach, V.S. The electrical, magnetic, and thermal fields in the slag pool during resistance-slag welding 4—35072
Dudnik, A. *see* Bjurel, G. 4—32555
Dudnik, G.G. *see* Nizimov, V.B. 4—40230
Dudnik, M.Z., Fedorov, M.M., Parkesov, V.G., Mikhailov, V.E. Analog protection of crane induction motors 4—34671
Dudnikov, V.G. *see* Derevyankin, G.E. 4—61645
Dudonis, J.J., Jotautis, A.P. Phenomenological model of reactive ion sputtering in a magnetron system 4—58051
Dueck, G *see* Ingemarsson, I. 4—43138
Dueck, G.W. *see* Williams, H.C. 4—46183
Duelen, G. *see* Spur, G. 4—55437
Duerr, R.S. *see* Chow, T.S. 4—32559
Duersch, R.R *see* Kolavennu, V.R. 4—60720
Duewiger, M. *see* Konangi, V.K. 4—32438
Dufala, S.T. Microwave nets beam data past crowded routes 4—38453
Duff, D.G. Computer-aided design of digital lightwave systems 4—38605
Duff, W.G., Savage, J.W. Broadband nontunable receiver for EMI measurements 4—59795
Duff, W.G., Sykes, C.B. Overview of weapon assessments in an electromagnetic environment 4—37644
Duff, W.G., Sykes, C.B., Frank, F.W. Aerodynamic flight simulations for electromagnetic vulnerability assessment of weapon systems 4—59815
Duffalo, J.M., Monkowski, J.R. Particulate contamination and device performance 4—36415
Duffy, D.D., Floyd, R.E., McDermott, L.F., Shryock, R.S., Smith, H.C. Keyboard tester 4—40844
Duffy, M.J. *see* Paoloni, F.J. 4—38030
Duffy, M.T. *see* Cullen, G.W. 4—35479
Duffy, M.T. *see* Lagowski, J. 4—41818
Duffy, R.E., Butler, L., Weisbrich, A. Farm silo application of the 'TARP' wind energy conversion system 4—40183
Duffy, R.M., Netterfield, R.P. Design of Faraday rotators and modulators 4—42431
Dufour, G. *see* Maillot, C. 4—30745
Dufour, M., Cielo, P. Optical inspection for adaptive welding 4—35319
Dufour, M. *see* Kurtz, J. 4—58661
Dugan, A.F. *see* Pons, R.L. 4—62457
Dugan, B.T. Defining the corporate videotex market 4—54236
Dugan, J.B. *see* Geist, R. 4—40892
Dugan, J.M. *see* Maxham, K.Y. 4—54785
Dugan, J.P. *see* Okawa, B.S. 4—61939
Dugan, R.C., Rizy, D.T. Electric distribution protection problems associated with the interconnection of small, dispersed generation devices 4—56670
Dugan, R.C., Thomas, S.A., Rizy, D.T. Integrating dispersed storage and generation (DSG) with an automated distribution system 4—56588
Dugan, T., Sharp, S. Operating system moves in with microprocessor 4—29895
Dugas, J. *see* Demange, A. 4—47244
Duggan, F. *see* Khodabandehloo, K. 4—50604
Duggan, G. *see* Lacklison, D.E. 4—51775
Dugger, G.L., Perini, L.L., Richards, D., Paddison, F.C. The potential for a hybrid geothermal-ocean thermal energy conversion (GEOTEC) power plant installation at Adak Island, Alaska 4—34524
Duggin, B.W. *see* Burgess, T.J. 4—37557
Dugrand, L. *see* Mircea, A. 4—41092
Dugre, J.P. *see* Arnould, E. 4—61050
Duguay, M.A., Damen, T.C. Semiconductor lasers optically pumped by injection lasers 4—59474
Duh, K.H., van der Ziel, A. Flicker noise in MOSFETs with gate-voltage-dependent mobility 4—47056
Duh, K.H., Zhu, X.C., van der Ziel, A. Low-frequency diffusion noise in GaAs MESFETs 4—47042
Duh, K.H., Zhu, X.C., van der Ziel, A., Morkoc, H. Instabilities in MODFETs and MODFET circuits 4—58927
Duh, K.H. *see* Zhang, X.N. 4—52073
Duhachek, J.G., Heikkila, W.W. A CMOS 5000 gate array 4—58247
Duhamel, P., Hollman, H. Existence of a 2^n FFT algorithm with a number of multiplications lower than 2^{n+1} 4—57994
Duhamel, P., Hollmann, H. A decomposition of the arithmetic for NTTs with 2 as a root of unity 4—53356
Duhr, R. *see* Azzouz, A. 4—46318
Duin, P.B. *see* Spaanenburg, L. 4—29932
Duka, S.I., Shumilkin, V.G. Error in determination of laminar flow velocity using photon correlator 4—61578
Duke, K.A. Remote bipolar switch circuit 4—29977
Dukes, B. Avoiding effects of strikes 4—62126
Dukes, R., Culpan, E.A. Acoustic emission: its techniques and applications 4—46262
Dukhovenskii, A.S. *see* Aminov, R.Z. 4—56774
Dukhovnyi, A.M. *see* Berezinskaya, A.M. 4—53109
Dulka, C.P., Komito, E.H., Juneau, P.W., Jr. Determination of radiation thresholds using thermogravimetric analysis 4—59084
Dull, G. The marketing strategy of the German Post Office for wideband cable work 4—54606
Dull, H.-J., Kohlhas, W. New antenna drives 4—37784
Dul'man, L.B. *see* Levit, I.G. 4—40091
Dul'nev, G.N. *see* Glebov, I.A. 4—62488
Dulneva, E.G. *see* Altshuler, G.B. 4—42323

Dultz, W. 3-dimensional images on the cycloramic display 4—48967
Dul'zon, A.A. *see* Gindullin, F.A. 4—56583
Dumarchez, J. *see* Allison, W.W.M. 4—61683
Dumas, D., Marchand, M., Ruineau, C., Quevrin, J. Qualification test results of pigtailed PπPN APDs 4—52787
Dumas, J. *see* Canton, H. 4—61345
Dumas, P. *see* Carvalho, W. 4—42375
Dumbs, A., Laun, H. Non-tactile measurement of machine-operated tools 4—49014
Dumin, D.J. *see* Sugiura, S. 4—41863
Dumitrescu, T. On the numerical solution of a class of nonlinear complementary problems 4—35385
Dumitrica, A., Ristici, M., Opran, M., Pascu, M., Nemes, G. Measurement of fiber optic pulse dispersion using a mode-locked He-Ne laser 4—42384
Dumke, W.P. Accelerated electron transistor 4—47037
Dumke, W.P., Heiblum, M., Nathan, M.I. Plasmon inhibiting hot electron transistor 4—52068
Dumler, F. Semi-automatic assembly of a cassette drive unit 4—40533
Dumlugol, D. *see* De Man, H. 4—36897
Dumnov, V.P., Krashennikov, V.V., Ivanov, N.V. Simplified procedure for calculation of transient processes with great changes in boiler load 4—40112
Dumortier, D. Bipolar technology in subscriber telephone sets 4—32510
Dumrese, H.-F., Kalscheuer, W. Aspects for the economical application of medium voltage power switches in electricity supply networks 4—62161
Dun-fu Fang *see* Fang Dun-fu
Dunaevskii, A.D. *see* Özernoi, N.F. 4—34684
Dunbar, W.G., Schweickart, D.L. Insulation system design criteria to reduce failure of aerospace equipment 4—29271
Duncan, A.J. Forced harmonic motion of a galvanometer 4—50369
Duncan, A.L. *see* Brown, J.S. 4—39487
Duncan, I. *see* Cunningham, D.G. 4—37447
Duncan, J.A. Advancement in combline filter design 4—51404
Duncan, J.P. *see* Wood, S.L. 4—44769
Duncan, S.W. *see* Natan, M. 4—30425
Duncan, W.J. *see* Rush, J.D. 4—52682, 4—59226
Duncan, W.J. *see* Scanlan, I.F. 4—52681
Dunckel, E. EPA deciding cogeneration's future in Southern California [300 MW project and environmental protection] 4—62363
Duncombe, L. Goodbye PAR hello lightstream 4—57503
Dunfield, V.A. *see* Berube, J.L. 4—44758
Dunham, C.B. The linear inequality method for rational approximation with interpolation 4—50709
Dunham, C.B. One-sided rational Chebyshev approximation 4—50712
Dunham, J.G. Optimal source coders with real-time constraints 4—37880
Dunham, J.G. An iterative theory for code design 4—43155
Dunham, J.G. Strongly ideal cryptographic systems for rational Markov processes 4—43159
Dunki-Jacobs, J.R. *see* Cummings, P.G. 4—62544
Dunlap, J. *see* Taflove, A. 4—37658
Dunlap, S. *see* Deeds, D. 4—54887
Dunlavy, D.J. *see* Ahrenkiel, R.K. 4—46889
Dunlop, A.E., Kernighan, B.W. A placement procedure for polycell VLSI circuits 4—36816
Dunlop, P.R.C. *see* Hand, J.W. 4—39608
Dunn, A.G. Considering robots? 4—40847
Dunn, B. *see* Jansen, M. 4—31357
Dunn, G., Kellogg, E.M. Focused ion beams in wafer processing 4—51926
Dunn, J.M. *see* Chang, L.L. 4—43877
Dunn, L.N. IBM's engineering design system support for VLSI design and verification 4—36706
Dunn, M.H. *see* McIntyre, I.A. 4—31457, 4—47434
Dunn, P.C. A charged-pion detection system with large electron suppression 4—55846
Dunn, R. *see* Lee, C.E. 4—50920, 4—60777
Dunn, R. *see* Lupinetti, F. 4—54518, 4—61881
Dunn, R.T. Local area network gateways to wide area networks 4—54367
Dunn, S., Mouton, A. Chip family combines voice and data communications 4—43874
Dunn, S.T. Laser scanning and recording for the graphic arts 4—31528
Dunn, T. Evolution of a television post-production facility 4—32907
Dunne, R.J. Computers reach for speech 4—43233
Dunnett, R.M. Economic allocation of reserve in a thermal power system with pumped storage and gas turbine plant 4—34061
Dunnick, N.R. *see* Johnson, G.A. 4—49157
Dunning, A. The INSIS programme: information technology for the office worker 4—32333
Dunphy, J.R., Meltz, G., Abou El Leil, M.M., Snitzer, E. Twin-core fiber-optic sensor for simultaneous temperature and strain measurement 4—52640
Dunshui Zhuo *see* Zhuo Dunshui
Dunsmuir, J. *see* Yaakobi, B. 4—46905
Duong, A.K., Nassibian, A.G. Charge control model for switching transients of metal-tunnel oxide-semiconductor thyristor 4—52076
Duong-Van, M. *see* Phillips, G.C. 4—39425
Dupas, L. *see* Declerck, G. 4—36845
Dupertuis, M.A., Salomaa, R.R.E., Siegrist, M.R. Multimode phenomena in optically-pumped lasers 4—42517
Dupertuis, M.-A., Salomaa, R.R.E., Siegrist, M.R. Two-mode optical pumping of a laser 4—42499
Duplay, C. SF_6 for medium voltage finds its feet 4—45539
Duplin, N.I. Electrical conditions of transistor converters with series-parallel connections 4—45534
Dupnock, A. *see* Clark, L.O. 4—36500
Dupont, P.A. Planning and implementation of successful, integrated digital systems 4—54589
Dupont, R. *see* Bayard, C. 4—56626
Duprat, H. A too-well-known tool: PERT 4—29191
Duprat, H. PERT: a well-known tool. II 4—35228
Dupree, B.C. Formant coding of speech using dynamic programming 4—31906
Duprey, C.H. *see* Oakland, J.S. 4—50578
Dupuis, M.D. *see* Badami, A.V. 4—51948
Dupuis, P. Cellular networks for mobile telephone systems 4—60704
Dupuis, P., Ghillebaert, B. Evolution of land mobile service 4—43980
Dupuy, B.-P. Dynamic analysis 4—57863
Dupuy, F., Rulliere, C., Le Bris, M.T., Valeur, B. A new class of laser dyes: benzoxazinone derivatives 4—59463
Dupuy, J. *see* Chalmers, I.D. 4—36929
Dupuy, M. *see* Gerard, Ph. 4—30974
Dura, D.R., Woodward, J.W. Random vibration screening to improve hardware 4—48518
Dura, G.Dominguez *see* Dominguez Dura, G.
Duraev, V.P. *see* Golikova, E.G. 4—52818
Duran, J., Hiraoka, H., Nehmiz, P., Yang, R. 100% solventless-polyimide submicron technology 4—42100
Duran, J. *see* Benalloul, P. 4—52775
Duran, J. *see* deViry, D. 4—52933
Durand, J. *see* Blanchard, M. 4—49310
Durand, L.G. *see* Blanchard, M. 4—49310
Durand, R. Accessing telecommunications in South East Asia via a multipurpose satellite 4—60778
Durandet, A. *see* Arnal, Y. 4—51996
Durant, G. Foolproof switch bank 4—35995
Duraud, J.P., Le Moel, A., Le Gressus, C., Pantel, R., Chornik, B. Contrast of a p-n junction in ultra high vacuum scanning electron microscopy 4—51858
Durbecq, X. Control of inductive loads by triacs: which solution should be chosen? 4—34740
Durden, S.L. *see* Vesecky, J.F. 4—56325
Durell, J.L. *see* Sanderson, N.E. 4—33760
Durga Prasad, G. *see* Tripathy, S.C. 4—62025
Durgaprasad, N. *see* Biswas, S. 4—55952
Durgaprasad, N. *see* Kukreja, L.M. 4—31539
Durham, M. *see* Rinard, G. 4—53181
Durham, S.J. Intelligent 212A-type modem component 4—51059
Durham, T. Planning an assault on the paper mountain 4—43684
Durham, T. A route to quick prototyping 4—51930
Duric, D. *see* Ostojic, M. 4—48322
Duric, M., Radonjic, I. Negative damping of synchronous generator while supplying the passive R_p-L_p-C_p load 4—34603
Duric, M. *see* Ilic, A. 4—48028
Durieux, J.-L. Terminal control for command to line of sight guided missile 4—56228
Duris, R. *see* Burrier, R. 4—58399
Durling, G.W., Pfund, E.T. Low cost satellite design for domestic communications 4—54719
Durnev, V.I., Tanatar, A.I., Romancha, A.A. Operational control of an induction drive under dynamic braking conditions 4—50169
Durney, C.H. *see* Iskander, M.F. 4—44725, 4—44730
Durocher, M. *see* Garforth, D.L. 4—32763
Durov, E.V., Kesel'man, L.M., Treiger, A.S. Measurements of residual deformations of steel-aluminum conductors in operating overhead lines 4—39899
Durrani, S.A. Review lecture on the use of solid state nuclear track detectors in radiation dosimetry, medicine and biology 4—39631
Durrani, S.A., Al-Najjar, S.A.R. The relationship between the pre-etched track length and the ECE track-spot size 4—55967
Durrani, S.A., Green, P.F. The effect of etching conditions on the response of LR115 4—55860
Durrani, S.A. *see* Al-Najjar, S.A.R. 4—55866, 4—55875
Durrani, S.A. *see* Green, P.F. 4—55984
Durrani, S.A. *see* Hashemi-Nezhad, S.R. 4—55873
Durrani, S.A. *see* Pedraza, L.J. 4—56212
Durrani, S.A. *see* Petoussi, N. 4—55929
Durrani, S.A. *see* Ramli, A.G. 4—55910, 4—55924, 4—55925
Durrani, S.A. *see* Watt, S. 4—55933
Durrani, T.S., Bowie, J.L. New results in seismic deconvolution using lattice processors 4—56281
Durrani, T.S. *see* Arslanian, A.S. 4—60890
Durrani, T.S. *see* Chapman, R. 4—51477, 4—53740
Durrani, T.S. *see* Cooke, S. 4—60258
Durrani, T.S. *see* Sharman, K. 4—53775
Durrani, T.S. *see* Willey, T. 4—60113
Durrant, A.V., Manners, J. Photon echo relaxation in caesium perturbed by noble gases 4—31482
Durrant, O.W., Braun, M.J. High temperature thermal energy storage for power generation 4—56810
Durrer, D. *see* de Bakker, J.M.T. 4—44747
Durrer, H. Measuring the velocity profiles in flowing media (laser anemometry) applications: jet dissipation, flow in radial turbomachines 4—33542
Durrer, H. Measurement of velocity distribution in fluids (using a laser); applications: jet dissipation, radial machine flow 4—33543
Durrer, H. Measurement of velocity distribution in flowing media (laser instrumentation). Applications: jet expansion, flow in radial fluid machinery 4—55749
Durschlag, M. *see* Dormail, J. 4—30113
Durstberger, R. *see* Lischka, K. 4—41854
Dursteler, A., Busarello, L. Short-circuit calculations—an important part of power system extension planning 4—44950
Durwen, E.J., Roser, H.P., Wattembach, R., Schultz, G.V. Cryogenic operation of a broadband open structure mixer for the submillimeter wavelength range 4—36077
Durwen, E.J. *see* Roser, H.P. 4—38757, 4—48905
Duseaux, M. *see* Schiller, C. 4—36434
Dusek, K. The EFM recording code 4—48673
Dusek, L.K. *see* Hutchins, M.W. 4—43229
Dusek, Z., Jansa, J., Novotny, M., Paseka, J., Rumler, A. The PTC PR 304 series of thermistors 4—30128
Dusel, H.-W. *see* Tietbohl, G. 4—35229
Dushenkov, S.D. *see* Valiev, K.A. 4—51673
Dusin, M. New electric locomotive series 212/243 under test 4—45707
Dussault, H.B. Automated FMEA—status and future 4—46019
Dusseldorf, M. Special applications of induction heating 4—57556
Dutartre, D., Gavand, M. Phase diagram and LPE growth rate in the Ga-As-Sn system 4—50782
Dutartre, D. *see* Mayet, L. 4—58032
Dutkiewicz, T.J., Fedora, P.A. Operation of generator minimum excitation limiters during islanding 4—49541
Dutreix, A., Dixon-Brown, A., Liquorish, R., Pierquin, B., Chassagne, D., Paine, C.H. Intercomparison of iridium-192 wire used in interstitial radiation therapy 4—44770
Dutson, B. Will cable sell itself: the role of advertising and promotion 4—55035
Dutt, B.V., Roccasecca, D.D., Temkin, H., Bonner, W.A. A novel multi-slice LPE boat. I. Preliminary results on InGaAs alloys 4—46226
Dutta, H.N., Sarkar, S.K., Reddy, B.M., Sengupta, N. A study of tropospheric scintillations using the LOS link at 7.6 GHz 4—31644
Dutta, K., Jaffey, S.M. Timer smear corrected multiplex holographic display of computerized tomography data 4—42733
Dutta, N.K., Craft, D.C. Effect of stress on the polarization of stimulated emission from injection lasers 4—47467
Dutta, N.K., Nelson, R.J., Wright, P.D., Craft, D.C. Criterion for improved linearity of 1.3-μm InGaAsP-InP buried-heterostructure lasers 4—42637
Dutta, N.K., Olsson, N.A., Heritage, J.P., Liu, P.L. Temperature dependence of threshold current of injection lasers for short pulse excitation 4—42611
Dutta, N.K., Olsson, N.A., Liou, K.-Y. Effect of external optical feedback on spectral properties of external cavity semiconductor lasers 4—47477
Dutta, N.K., Wilt, D.P., Nelson, R.J. Analysis of leakage currents in 1.3-μm InGaAsP real-index-guided lasers 4—52969
Dutta, N.K. *see* Agrawal, G.P. 4—52946, 4—52980
Dutta, N.K. *see* Besomi, P. 4—42625
Dutta, N.K. *see* Craft, D.C. 4—37355
Dutta, N.K. *see* Olsson, N.A. 4—37126, 4—37358, 4—37366
Dutta, N.K. *see* Schwartz, B. 4—47464
Dutta, N.K. *see* Wilt, D.P. 4—52984
Dutta, S. *see* Majumdar, R.K. 4—39685
Dutta, S.K. *see* Banerjee, H.D. 4—29439
Dutta, V., Sastry, O.S., Chopra, K.L. Microcomputer controlled optical scanner for solar cell diagnostics 4—61186
Dutta, V. *see* Rao, T.V. 4—50579
Dutta Roy, S.C. *see* Bhattacharya, M. 4—53626
Dutta Roy, S.C. *see* Gopinathan, E. 4—53621
Dutton, F.A. *see* Henderson, R.I. 4—37758
Dutton, R. *see* Wolf, W. 4—36768
Dutton, R.W., Kettner, D.C. Supplemental steam generator for UPA Stanton Generating Station 4—49761
Dutton, R.W. *see* Eisenstadt, W.R. 4—58974
Dutton, R.W. *see* Ho, C.P. 4—30798
Dutton, R.W. *see* Kuo, J.-B. 4—51428

Dutton, R.W. *see* Shenai, K. 4—41890, 4—58797
Dutton, R.W. *see* Yu, Z. 4—47009
Duttweiler, D.L. *see* Tao, Y.G. 4—54466
Duuren, J.van *see* van Duuren, J.
Duval, B.P., Barth, J., Deslattes, R.D., Henins, A., Luther, G.G. Position-sensitive X-ray detector 4—55842
Duvoisin, P.F., Hsieh, S.T., Williamson, E.P., Eken, F. The performance of orthogonally polarized *m*-QAM system in the presence of depolarization crosstalk and differential fading levels 4—60412
Duvoisin, P.F., Williamson, E.P., Hsieh, S.T., Eken, F. Probability of errors in cross-polarized QAM communication systems in the presence of depolarization crosstalk 4—37832
Duvvury, C., Baglee, D.A., Smayling, M.C., Duane, M.P. Series resistance modeling for optimum design of LDD transistors 4—36631
Duwe, P. Btx in the REWE Group, particularly computer links between retail and wholesale stores, exemplified by the fresh-food trade 4—54292
Duwe, P. *see* Langen, B. 4—43702
Duxbury, G. *see* Petersen, J.C. 4—37292
Duxing Chen *see* Chen Duxing
Duy, M.Nguyen *see* Nguyen Duy, M.
Duym, B.W., Pfurtscheller, G. Measurement of the quality of hand contractions 4—39511
Duyn, R. Tools for user-designed VLSI 4—52239
Duzy, C. *see* Fulghum, S.F. 4—37445
dv Papaconstantinou *see* Samouilidis, J.-E. 4—56514
Dvirka, M. Direct coburning of unprepared municipal solid waste and sludge 4—56848
Dvorak, W. The evolution of a mighty micro [WE 32100 second-generation microprocessor] 4—51281
Dvore, D. *see* Caulfield, H.J. 4—59622
Dvornikov, A.A., Poznakhirko, S.N., Utkin, G.M., Shemanayev, G.D. Summing the powers of two oscillators at the second harmonic 4—51028
Dvornikov, A.A. *see* Bikmurzin, R.S. 4—30006
Dvornikov, V.A., Barannikov, N.M. Effectiveness of using a water distiller for lowering steam wetness in atomic power plant turbines 4—39999
Dvornikov, V.D. *see* Losev, V.V. 4—43353
Dvorovkin, V.E., Karasev, A.A., Pankov, V.A. Application of photodiode matrices in vision systems of robots 4—33168
Dvorsky, J.E., Hoburg, J.F., Penney, G.W. Correlations of single-stage and cascaded two-stage single-stage precipitation efficiencies to particle resistivity 4—31613
Dvoryankin, V.F., Komarov, A.A., Panteleev, V.V. Initial stages of heteroepitaxy of bismuth on (001) and (110) GaAs and (001) Ge, studied by means of low-energy electron diffraction 4—29481
Dvotson, A.I. *see* Gluzman, P.L. 4—53194
Dwek, M.D. Economics and integration of hydroelectric plant in developing countries 4—45343
Dwolatzky, B. Intermediate domain system identification using Walsh transforms 4—31859
Dworsky, L.N. Stripline filters—an overview 4—30085
Dworsky, L.N. Properties of AT quartz resonators on wedgy plates 4—30895
Dwyer, R., Jordan, S., Meyer, P. Two cosmic-ray detectors with high charge and energy resolution in the GeV/nucleon range 4—61677
Dwyer, R.F. Use of the kurtosis statistic in the frequency domain as an aid in detecting random signals 4—37928
Dwyer, R.F. Essential limitations to signal detection and estimation: an application to the Arctic under ice environmental noise problem 4—53714
Dwyer, S.R. Reliability targets for a calibration program 4—45966
Dwyer, T.J., Greig, J.R., Murphy, D.P., Perin, J.M., Pechacek, R.E., Raleigh, M. On the feasibility of using an atmospheric discharge plasma as an RF antenna 4—31753
Dyachenko, A.P. *see* Smagin, V.N. 4—40109
Dyakin, V.V. *see* Sandovskii, V.A. 4—41134
D'yakonov, V.I., Kalinenko, A.G., Vatutin, V.M., Kontorov, M.D., Babin, S.V. Semiconductor laser diode modulators triggered by logical integrated circuits 4—31455
Dyakov, A. *see* Kashchieva, S. 4—41940
Dyatchenko, A.A., Kolenko, E.A., Maslenkov, I.P., Roze, Yu.A., Smirnov, B.N. Electron-transmissive film of microchannel plate [electro-optical converters] 4—59271
Dyatlov, G.I. *see* Kudritskii, V.D. 4—55134
Dybvig, A. Modern electrical industrial drives backed up by more than twenty years of experience 4—50120
Dyck, F.-J.van *see* van Dyck, F.-J.
Dye, K. *see* Coates, R. 4—39729
Dyer, C.K. Effect of geosynchronous altitude radiation on performance of Ni/H_2 cells 4—40391
Dyer, C.K. *see* Waaben, S. 4—57306
Dyer, C.R. *see* Cibulskis, J.M. 4—60183
Dyer, F. *see* Alexeff, I. 4—37254
Dyer, J. *see* Jepps, S. 4—38016
Dyer, M. Customers who want it compatible [local government] 4—53986
Dyer, M.J., Crosley, D.R. Rapidly sequenced pair of two-dimensional images of OH laser-induced fluorescence in a flame 4—42753
Dyer, P.E., Tait, B.L. IR laser emission from XeCl excimer laser mixtures 4—52903
Dylik, M., Kuba, J., Pazicky, J. Experiences with the development and operation of the RPP 16M computer control system in the Sucany 400/200 kV distribution plant 4—45476
Dymkowski, T. New Alnico type permanent magnets allow miniaturization of products 4—59153
Dymoke-Bradshaw, A.K.L., Kilkenny, J.D., Westlake, J. A gated X-ray intensifier with a resolution of 50 picoseconds 4—61736
Dymowski, S. Mathematical models of isochronous signals generated by data transmission terminals 4—43027
Dymskii, A.P. *see* Baskin, L.B. 4—40256
Dynes, R.C. *see* Hensel, J.C. 4—30453
Dynnikova, G.Ya. *see* Butkovskii, A.V. 4—31408
Dynys, J.M., Foster, B.J., Ray, S.K. Fabrication of high transmission glass layers and laser line deletion process 4—46741
Dyressen, D. *see* Mart, L. 4—44923
Dyskin, V.I., Rykov, O.A., Kanel', L.S. A friction welding machine with an electromagnetic axial pressure drive 4—62861
Dyson, H.B. *see* Shimabukuro, F.I. 4—55639
Dytynko, V.M. *see* Vasil'ev, V.G. 4—59612
Dyubko, S.F. *see* Fesenko, L.D. 4—42505
Dzakov, A. *see* Dontschev, S. 4—30127
Dzelme, B.M., Balodis, Ya.K., Puritis, T.Ya., Bochkans, Ya.P. Spectral distribution of radiation in GaAs p-n junctions at avalanche breakdown 4—51834
Dzhafarov, T.D. *see* Askerov, D.D. 4—41900
Dzhala, R.M., Dikmarova, L.P., Mizyuk, L.Ya. Simplified field analysis of a line with azimuthal discontinuity in the screen 4—53245
Dzhalilova, Kh.D. *see* Stafeev, V.I. 4—30394
Dzhamalov, N.A., Barkhlov, B.Sh., Salaev, E.Yu., Gasanova, N.A., Abdinov, D.Sh. Dependence of the contact resistance of thermoelements based on single crystals of solid solutions of the Bi_2Te_3-Sb_2Te_3 system on the composition of the contact material at 77-300K 4—30424
Dzhelepov, V.P. *see* Bystritsky, V.M. 4—55810
Dzhotyan, G.P. *see* Arutyunyan, V.M. 4—59467
Dzhuvarly, Ch.M., Muhfid-zade, N.A., Gulabov, G.M. The overvoltage calculation in autotransformer windings with middle-side voltage regulation 4—57129
Dziadecki, A. *see* Cholewka, J. 4—34975
Dziadowiec, A., Lescure, M., Boucher, J. A heterodyne low-level signal phase meter operating over 1 MHz to 300 MHz 4—33351
Dziedzic, J.M. *see* Stolen, R.H. 4—52577
Dzierzanowski, W., Kucharski, J. Generator protection from the second earth fault in an excitation circuit 4—49841
Dziewulski, A. *see* Kwiatkowski, M. 4—44980
Dziewulski, M. *see* Kotkowski, A. 4—49506
Dzilyums, K.A. *see* Grigulis, Yu.K. 4—61496
Dzioba, S., Shepherd, F. Putting ions to work for faster, denser, cheaper chips 4—30710
Dziuba, R.F. *see* Cage, M.E. 4—58776
Dziumbla, J. *see* Wolf, D. 4—53523
Dziurla, B., Newcomb, R.W. On parasitics in the semistate formulation 4—35568
Dzmuran, R., Kuzmiak, M., Novy, F., Kralova, V. The transmission of an ion beam by an equipotential electrostatic lens 4—44662
Dzubeck, F.X. Telecommunications 4—47968
Dzubur, A., Vukicevic, D. Ultrahigh resolution sandwich holography 4—42726
Dzugan, M. *see* Westerhoff, C.J. 4—33932
Dzugutov, V.M. *see* Pan, V.M. 4—37049
Dzwonczyk, D.M. *see* Bell, C.E. 4—44840
Dzwonczyk, R., Howie, M.B., McDonald, J.S. A comparison between Walsh and Fourier analysis of the electroencephalogram for tracking the effects of anesthesia 4—61794
Dzwonkowski, M. *see* Baczynski, A. 4—31320
Dzyubenko, N.I. *see* Rogacheva, E.I. 4—30379

e Silva, W.da Silveira *see* da Silveira e Silva, W.
E Xuequan *see* Gao Zhi 4—37317
Eachus, J., Klema, J., Walker, S. Monitored burn-in of MOS 64K dynamic RAMs 4—35778
Eaddy, D.A., Kadota, T.T., Seery, J.B. On the approximation of the optimum detector by the energy detector in detection of colored Gaussian signals in noise 4—47877
Eaddy, D.A., Kadota, T.T., Seery, J.B. On the approximation of the optimum detector by the energy detector in detection of colored Gaussian signals in noise 4—53627
Eades, J.D. *see* Swan, G.B. 4—58119
Eades, W.D., Swanson, R.M. Determination of the capture cross section and degeneracy factor of Si-SiO_2 interface states 4—41904
Eades, W.D. *see* Swanson, R.M. 4—45646
Eager, G.S., Jr., Katz, C., Fryszczyn, B., Fischer, F.E., Thalmann, E. Extending service life of installed 15-35 kV extruded dielectric cables 4—62193
Eagland, G.J. The computer controlled PABX within the computing communications environment 4—48361
Eagle, D. *see* Chapman, J. 4—55094
Eakins, J.D. The application of radiochemical separation procedures to environmental and biological materials 4—55997
Ealciano, S. *see* Anderson, L. 4—55989
Eames, R.J. The future for coal and oil fired power plant in the developing world 4—62366
Eargle, J. Microphones in sound reinforcement. II 4—32999
Eargle, J. Sound reinforcement: automatic microphone mixers 4—33002
Eargle, J. Sound reinforcement: system intelligibility estimates 4—55082
Eargle, J. The role to time delay in distributed systems 4—61113
Earl, M.W., Noble, T.F. Electrochemical impregnation bath aging [secondary cell plates] 4—40387
Earle, S.A. *see* Hawkes, G.S. 4—61968
Earnest, C.M. *see* Brennan, W.P. 4—35293
Earp, R.L. Real-time signal processing of broadband ocean noise and propagation loss 4—61948
Earp, S.L., Nolte, L.W. Multichannel adaptive array processing for optimal detection 4—53707
Easdown, R. The 'Orbital Combustion Process' engine 4—35004
Eason, K. Human factors in teleinformatics 4—60497
Eason, K. Methodological issues in the study of human factors in teleinformatic systems 4—60501
Eason, K. *see* Jensen, W. 4—60498
Eassa, H.E., Cook, G.E., Wells, A.M., Jr. A high performance welding power source and its application 4—57642
East, D.J. Some aspects of guidance loop design for SAM systems 4—56227
East, J.R. *see* Blakey, P.A. 4—51545
Easterly, C.E. Nonradiological occupational hazards at a fusion power station. I. Chemical hazards 4—34275
Easterly, C.E. Nonradiological occupational hazards at a fusion power station. Nonionizing electromagnetic fields 4—34276
Eastham, A.R., Dawson, G.E., John, V.I., Kamar, A.M.A., Sen, P.C., Wallace, A.K. Voltage controlled 60 Hz linear induction motor drives 4—34967
Eastham, A.R. *see* Austin, P.R. 4—57605
Eastham, A.R. *see* Pringle, D.M. 4—34983
Eastham, D.A. Voltage limitations of electrostatic accelerators 4—33568
Eastham, D.A., Powell, P.S., Thorn, R., Ooi, S.L., Woods, S.A. A study of the NSF laddertron 4—33565
Eastham, J.F. *see* Rodger, D. 4—31594
Eastman, D.E. *see* Himpsel, F.J. 4—56047
Eastman, D.R. *see* Robinson, B. 4—61376
Eastman, J.M., Zavislan, J.M. A new optical surface microprofiling instrument 4—61592
Eastman, L.F. Physical concepts of some promising high speed/high frequency compound semiconductor transistors 4—58933
Eastman, L.F. *see* Brown, A.S. 4—51819
Eastman, L.F. *see* Capani, P.M. 4—42049
Eastman, L.F. *see* Chao, P.C. 4—58549
Eastman, L.F. *see* Hsieh, K.H. 4—58937
Eastman, L.F. *see* Lee, H. 4—58938
Eastman, L.F. *see* Maki, P.A. 4—58791
Eastman, L.F. *see* Palmateer, S.C. 4—51939
Eastman, L.F. *see* Sadler, R.A. 4—58274
Eastman, L.F. *see* Schaff, W.J. 4—52095, 4—58545
Eastman, L.F. *see* Shealy, J.R. 4—58541
Easton, B.C., Chapman, J.A., Hill, O.F., Powell, M.J. The plasma-enhanced deposition of hydrogenated amorphous silicon 4—41098
Easton, R.L. *see* Gmitro, A.F. 4—43411
Easton, R.L. *see* Milster, T.D. 4—39543
Easton, R.L., Jr., Barrett, H.H., Ticknor, A.J. Using SAW filters to process two-dimensional data by means of the Radon transform 4—52417
Eastwood, C. A perspective on transmitter controls 4—54618
Easwarakhantan, T. *see* Es-Slassi, A.R. 4—62702
Eaton, J.T. *see* Marsico, R. 4—56656
Eaton, P.L. *see* Blumberg, R.J. 4—48710
Eaton, P.L. *see* Culican, E.F. 4—29710, 4—29975, 4—51380
Eaton, R. *see* Murday, J.S. 4—45111
Eaves, B.C. Permutation congruent transformations of the Freudenthal triangulation with minimum surface density 4—35378

Eaves, L., Guimaraes, P.S.S., Portal, J.C., Pearsall, T.P., Hill, G. High-field resonant magnetotransport measurements in small n^+nn^+GaAs structures: evidence for electric-field-induced elastic inter-Landau-Level scattering 4−58774

Eaves, R.E., Kolba, D.P. Unified multiple-beam uplink configuration for EHF satellite communications 4−32728

Ebara, H. *see* Hayashi, M. 4−62800

Ebata, Y., Morishita, S. Metal-migration of aluminium film on a SAW resonator 4−42218

Ebata, Y. *see* Fukuta, K. 4−52373

Ebbeni, J.P.L., de Schryver, F. Influence of spatial and temporal coherence on holography 4−42730

Ebel, F., Salzborn, E. Charge exchange of protons and hydrogen atoms in Na, K, Rb-vapor targets 4−44679

Ebeling, C., Zajicek, O. Validating VLSI circuit layout by wirelist comparison 4−36781

Ebeling, K.J., Coldren, L.A. Optoelectronic properties of coupled cavity semiconductor lasers 4−31371

Ebeling, K.J. *see* Coldren, L.A. 4−52996, 4−52997

Eberbach, R. Applications of pressure-contact connections 4−30199

Eberbach, R. *see* Leitl, F. 4−46481, 4−46495

Eberhardt, F.J., Martin, R.L. Seventy-five years experience in teaching EE to non-EE majors 4−35198

Eberle, R. Technology policy for Baden-Wurttemberg [in telematics] 4−54003

Ebersberger, G. TV oscilloscope OPF for full-field and test-line measurements 4−61446

Eberspacher, J. Local optical network for speech and data 4−54834

Ebert, A. *see* Bargel, B. 4−38056

Ebert, G. *see* Stein, D. 4−51852

Ebert, I.G. The evolution of integrated access towards the ISDN 4−38416

Ebertin, M. *see* Drumm, M.J. 4−58298

Eberts, K. Lithium batteries: current storage of the future 4−40377

Eberts, K. Modern batteries with lithium anodes 4−57312

Ebihara, D. *see* Yamada, H. 4−62676

Ebihara, N., Tatsuzawa, K., Fujita, T., Takamori, T. Noise reducer for television signals using Hadamard transform 4−48587

Ebihara, Y. *see* Ikeda, K. 4−32406

Ebina, Y. *see* Miike, H. 4−44485

Ebinger, G. Universal low frequency preamplifier 4−58161

Ebinuma, Y. *see* Endo, Y. 4−34193

Ebisui, T., Katagi, T. Dual-mode horn antennas with minimum power of cross-polarization components 4−59845

Ebner, R.E. *see* Krasnjanski, D. 4−49397

Ebneter, J. *see* Nyffeler, F.M. 4−52413

Ebneth, H., Fitzky, H.G. BAYMETEX−metallized textile planar structure reflecting radar and microwaves 4−54870

Ebrahim, N.A. *see* Liang, Z. 4−58689

Eccles, W.J. A 68000-based junior microprocessor laboratory 4−35186

Eccleston, D.J., Dick, J.M. Measurements of single mode fibers 4−54774

Eccleston, D.J., Dick, J.M. Industrialized measurement system for single mode fibers 4−60829

Eccleston, W. *see* Childs, P.A. 4−51827

EcEliece, R.J. *see* Lorden, G. 4−53390

Ech-Cherif, A., Ecker, J.G. A class of rank-two ellipsoid algorithms for convex programming 4−46148

Echegoyen, L.G. *see* Adanero, J.L. 4−38206

Echevarria Isuskiza, M. *see* Angulo Usategui, J.M. 4−34700, 4−40280

Eck, H.J.Ritsema van *see* Ritsema van Eck, H.J.

Eck, J.T.van *see* van Eck, J.T.

Eck, M., Mukunda, M. MITG test procedure and results 4−40505

Ecker, J.G., Kupferschmid, M., Sacher, R.S. Comparison of a special-purpose algorithm with general-purpose algorithms for solving geometric programming problems 4−46136

Ecker, J.G. *see* Ech-Cherif, A. 4−46148

Eckert, A. Measurements on light guides components and systems 4−60848

Eckert, A., Hentschel, C. Sources for fiber optic testing. HP's optical signal source 4−31128

Eckert, K. Coloured oscillograms 4−55554

Eckert, R.R. A microcomputer-based, project-oriented system programming course. I. An overview 4−45852

Eckert, W., Kilian, E.A. Electronic controls and switches: DC voltage instead of torque 4−38941

Eckert, W., Kilian, E.-A. Method of operation and application of electronic adjustments and switches. VI 4−41660

Eckhause, M. *see* Beer, W. 4−49102

Eckroad, S.W. *see* Stolte, W.J. 4−39822

Eckstein, W. *see* Verbeek, H. 4−61637

Eckton, W.H., Jr. *see* Ross, D.G. 4−54778

Economakos, E., Tsiganis, J., Agapakis, M. Computer-aided evaluation of alternative distribution system operational forms considering voltage deviations 4−34091

Economo, S. *see* Taguchi, M. 4−58338

Economou, N.A. *see* Samaras, I. 4−46231

Edahiro, T. *see* Okamoto, K. 4−37133

Edbauer, F. *see* Ungerboeck, G. 4−43857

Edberg, E. Periodical binary sequences with cross-correlations and out-of-phase autocorrelations near zero 4−43074

Eddrief, M., Julien, C., Balakanski, M., Kambas, K. Optimization of growth conditions for In_2Se_3 films 4−58042

Edell, D.J. Basic design considerations for chronically implantable neural information sensors 4−61805

Edelman, S.A. *see* Kazantsev, S.A. 4−47537

Edelman, V.S. *see* Pudalov, V.M. 4−58811

Edelsbrunner, H. *see* Aurenhammer, F. 4−32045

Edelson, D., Flamm, D.L. Computer simulation of a CF_4 plasma etching silicon 4−58873

Edelson, J. Optimize turbine dispatching−before the computer arrives 4−34420

Edelson, R.H. Insurance against data loss [AC backup unit] 4−34139

Edelstein, A. *see* Steedman, J.B. 4−49684

Edelstein, W.A. *see* Hart, H.R. 4−49158

Eden, D.D. *see* Case, W.E. 4−52526

Eden, J.G. *see* Waynant, R.W. 4−31339

Eden, R.C., Welch, B.M. Gallium arsenide in ultra high speed integrated circuits. I 4−47079

Eden, R.C., Welch, B.M., Mambelli, W. Experimental results on the performance of GaAs type SDFL planar LSI 4−58243

Eden, R.C., Welch, B.M., Rionda, P. A comparison of the solutions for a GaAs device for VLSI. II 4−35739

Edgar, B.C. *see* Koons, H.C. 4−47689

Edgar, G., Petty, M. Location of multiple faults by diagnostic expert systems 4−61188

Edgley, R.K. Earth electrode systems for buildings in dense city areas 4−45173

Edighoffer, J.A., Neil, G.R., Fornaca, S.W., Smith, T.I., Hess, C.E. TRW/Stanford tapered wiggler oscillator experiment status 4−47374

Edighoffer, J.A. *see* Neil, G.R. 4−47499

Edington, D., Walker, B., Nance, S., Starr, C., Dholakia, S., Kliment, M. CMOS cell-layout compilers for custom IC design 4−58291

Edison, S. A single chip FSK modem for leased line and videotex 4−51045

Ediss, G.A. Pyramidal horns at 460 GHz 4−37713

Edkins, B. Keeping semiconductors cool 4−29250

Edlich, H. Relations between line spectrums and density spectrums 4−43300

Edlinger, J. *see* Seidenbusch, W. 4−51849

Edman, T.R., Metz, S.V. A methodology for the evaluation of real-time speech digitization 4−43290

Edmond, W. *see* Falk, G. 4−32183

Edmonds, E.W. *see* Rowlands, J.A. 4−49145

Edmonds, J.S. *see* Walker, D.N. 4−49774

Edmonds, M.I. *see* Pedraza, L.J. 4−56212

Edmonson, P.J. *see* Campbell, C.K. 4−52383

Edneral, N.V. *see* Skakov, Yu.A. 4−59574

Edvardsen, E. Cable burning [optical cables insertion into old cables] 4−60626

Edwall, D.D., Gertner, E.R., Tennant, W.E. Liquid phase epitaxial growth of large area $Hg_{1-x}Cd_xTe$ epitaxial layers 4−29482

Edwall, G., Sie, H.P. Glass fibres in a different aspect. Feeling with light 4−55405

Edwards, A. *see* Bos, L.W. 4−58556

Edwards, B.D. Applications of multi octave microwave components 4−36028

Edwards, B.D. Battery electrics for transport−the British perspective 4−40574

Edwards, C.L.W. *see* Petley, D.H. 4−44801

Edwards, D.J., Terrell, P.M. The smoothed step-track antenna controller 4−38517

Edwards, D.R. *see* Constandinou, T.E. 4−58571

Edwards, E., Greiner, J., Porter, M. Programmable logic matches gate-array density, eases system design 4−51109

Edwards, G.C. iNet−the intelligent network 4−32426

Edwards, G.W. Objective measurement of minimum resolvable temperature difference (MRTD) for thermal imagers 4−55254

Edwards, J.G. *see* Crowder, P.A. 4−32740

Edwards, J.K. Results of the first session of the HF Conference in 1984 4−48540

Edwards, J.L. *see* Roedel, R.J. 4−51992

Edwards, J.S. Military applications of a commercial digital switching family 4−38179

Edwards, J.T. Role of the consultant in mass transit systems 4−57459

Edwards, K.J., Kersley, L., Shrubsole, L.F. Sporadic-E propagation at frequencies around 70 MHz 4−42863

Edwards, L. *see* Boyle, J.R. 4−49581

Edwards, M. CAD/CAM improves design and manufacturing productivity for hybrids, membrane switches 4−50492

Edwards, M., Keller, J., Hobson, G. A study of the potential for digital radiographic data acquisition for radiation therapy treatment planning 4−49294

Edwards, P.F., Stone, K.R., Willard, G.A. Surface mounting assembly−a practical approach 4−46688

Edwards, R.Y., Jr. *see* Collins, J.I. 4−61971

Edwards, T.C. *see* Sartain, R.B. 4−57804

Edwards-Shea, L. *see* Barnard, J.A. 4−59301

Edwardson, S.M. Scrambling and encryption for Direct Broadcasting by Satellite 4−32916

Edwin, K.W. Reliability analysis as an aid to the design and operation of electrical power supply systems 4−44971

Edwin, K.W., Danda, R., Schaper, W. Power reserve computation for system operation and extension planning 4−34121

Edwin, K.W., Dib, R., Niehage, U. Reliability investigations for 110 kV subtransmission networks 4−34158

Edwin, K.W., Lehr, W.G. Influence of limited transmission capacity on the reliability of power systems 4−34066

Edwin, K.W., Meyer, A. Current loading capacity of low voltage cables under realistic conditions 4−49604

Eeg, M. Infrared systems for polymer and cermet thick films 4−51685

Eek, L.O., Ekelof, T., Fransson, K., Hallgren, A., Kostarakis, P., Lenzen, G., Lund-Jensen, B., Sequinot, J., Tocqueville, J., Ypsilantis, T. The time-projection ring imaging Cherenkov (RICH) counter−new experimental results 4−49069

EerNisse, E.P., Paros, J.M. Practical considerations for miniature quartz resonator force transducers 4−30897

Efendiev, T.Sh. *see* Asaenok, N.A. 4−59490

Efendiev, T.Sh. *see* Murav'ev, A.A. 4−59469

Effa, P.K. *see* Zimmerman, A.H. 4−40405

Effert, D. Home banking−experiences of German banks with Btx as an electronic direct marketing instrument 4−54285

Efimenko, A.V. *see* Shleye, V.R. 4−31719

Efimenko, E.I. Deduction of equations for salient pole synchronous machines, allowing for higher spatial harmonics, to equations with constant coefficients 4−40226

Efimenko, V.M., Piskunov, D.K., Seleznev, V.Yu. Synthesis of a system of basis functions for the identification of the nonlinear characteristics of ferromagnetic cores 4−59147

Efimochkin, G.I. Equipment for emergency overflow of water from low pressure open feedwater heaters 4−40093

Efimochkin, G.I., Ivanov, V.V., Al'bertinskii, L.I., Gromov, A.M., Tsirkin, I.Z. Comparative tests of steam jet and water jet ejectors on the T-250/300-240 TMZ turbine 4−40094

Efimochkin, G.I. *see* Berman, L.D. 4−40114

Efimochkin, G.I. *see* Braginskii, V.R. 4−40102

Efimov, L.G. Modules for controlling experimental on-line hardware with an ES computer 4−33118

Efimov, V.P. *see* Agranovich, V.L. 4−49096

Efimov, V.V., Rakcheev, D.P., Titov, V.B. Aspects of the design of transducers with several measurement inputs 4−39154

Efimov, Yu.A. *see* Aizenshtat, L.I. 4−56072

Efimova, B.A. *see* Gaidukova, V.S. 4−30377

Efimova, B.A. *see* Rogacheva, E.I. 4−30376

Efremov, A.S. *see* Avrutik, A.M. 4−61214

Efremov, B.G. *see* Kotlyar, Ya.A. 4−30059

Efremov, I.A. *see* Davydov, V.E. 4−45170

Efremov, N.M. *see* Antropov, E.T. 4−42531

Efremov, V.E. Investigation of polar parametric algorithms of equilibrium of a compensation discrete-spectrum analyser 4−61312

Efron, U., Braatz, P.O. Use of transient capacitance measurements for direct determination of minority-carrier lifetime in low-doped metal-oxide-semiconductor structures 4−51879

Efron, U., Braatz, P.O., Little, M.J., Schwartz, R.N., Grinberg, J. Silicon liquid crystal light valves: status and issues 4−42423

Efron, U., Soffer, B.H., Little, M.J., Caulfield, H.F. The applications of silicon liquid light valves to optical data processing 4−42425

Efron, U. *see* Shin-Tson Wu 4−37174

Efros, Al.L. *see* Kamenev, Yu.E. 4−59314

Efthimion, P.C. Millimeter wave measurements of the TFTR line integrated density and electron temperature profile 4−39296

Efthimion, P.C. *see* Gold, S.H. 4−31279, 4−52835

Efthymiadis, A.E. *see* Hatziargyriou, N. 4−34093

Eftimiu, C., Huddleston, P.L. The transient response of finite open circular cylinders 4−47574

Efurd, R., Cohen, M., Sjoberg, E. Advanced intrapulse polarization agile radar nears deployment 4−38678

Egami, H. *see* Aoki, T. 4−53161

Egami, K., Kimura, M., Hamaguchi, T. Crystallographic orientation control of silicon stripes in SiO_2 grooves using a new double laser annealing technique 4−41812

Egami, K. *see* Hokari, Y. 4−36629

Egami, K. *see* Mikami, M. 4−41068

Egami, S. Improvement of K-band satellite link transmission capacity and availability by the transmitting power control 4−60743

Egan, B. *see* Williamson, A.G. 4−43971

Egan, G.K. *see* Payne, F.H. 4−57723

Egan, J.R., Liu, C.L. Bipartite folding and partitioning of a PLA 4−51099

Egashira, H., Wada, R. A digital television printer 4—61039
Egashira, R. *see* Taguchi, M. 4—59866
Egashira, S. *see* Taguchi, M. 4—59866
Egawa, T. *see* Ikeda, H. 4—32571
Egawa, T. *see* Sano, Y. 4—47024
Egawa, T. *see* Yasui, T. 4—38397
Egbert, R.I., Kamu, M.C., Snyder, M.H. Modeling of conductor galloping on electric power lines 4—49612
Ege, H.D., Jr. *see* Grobmyer, W.P., Sr. 4—49782
Egel, M.D., Katter, O.E., Jr. Videoconferencing—a user experience 4—38889
Egelhof, P. *see* Weller, A. 4—39421
Egeli, E. Applications of model-based image interpretation by line structure description 4—53843
Egeli, E., Gerig, G., Klein, F., Kubler, O. A hardware and software optimized program system for interactive image processing 4—53869
Eger, T.E., Su, J.C., Varner, L.W. A nonlinear spectrum processing technique for speech enhancement 4—59976
Egger, D. Systems analysis and computer simulation studies of the laser ranging measurement process 4—59683
Egger, D., Achtermann, E., Rupe, U. Center of mass correction and its confidence for the POP-SAT satellite 4—61863
Egger, H. *see* Pummer, H. 4—59591
Egger, J. *see* Deutsch, J. 4—49088
Egger, R.H. Compressed tests patterns in semiconductor test systems 4—51074
Eggers, D.E., Thompson, D.T. An evaluation of the marine magnetic gradiometer 4—61892
Eggert, J.A. *see* Grimm, J.D. 4—38024
Eggerth, S. *see* Will, D. 4—55204
Eggleston, F.C. Comparing costs of fiber and wire local data networks 4—38618
Eggleston, F.C. Cost comparison of fiber optic data networks 4—60883
Eggleston, J.M., Albrecht, G.F. Prospects for high average power slab geometry solid state lasers 4—59473
Eggleston, J.M., Kane, T.J., Kuhn, K., Unternahrer, J., Byer, R.L. The slab geometry laser. I. Theory 4—37344
Egiazarian, K.O. The generalized Hadamard transforms and linear filters 4—50620
Egidi, A. *see* Cerulli-Irelli, P. 4—61924
Eglash, S.J., Newman, N., Pan, S., Spicer, W.E., Collins, D.M., Zurakowski, M.P. Barrier heights from ohmic to bandgap: modified Al:GaAs Schottky diodes by MBE 4—36336
Eglash, S.J. *see* Shenai, K. 4—58797
Egli, R. Standard-videotex—intelligent videotex. II 4—38237
Egli, R. Firms on the public videotex: internal videotex 4—38238
Egli, R. How are Videotex pages produced? The Videotex data bank 4—38239
Egli, R. Videotex terminals 4—48062
Egli, S. *see* Bertl, W. 4—33757
Egorin, D.M. Preventing failures of the reduction gear of a velocity meter 4—44619
Egorov, A.B. Measurement of actual values of microwave power 4—44602
Egorov, B.V. *see* Andreev, V.M. 4—40445
Egorov, M.B. Scattering of H-polarized wave by a screen with narrow slits 4—37703
Egorov, Yu.A. *see* Abil'siitov, G.A. 4—59389
Egorov, Yu.P., Pivovarov, B.L. Distance measurement error of phase phototachymeters having different types of photodetectors 4—33480
Egorov, Yu.Ya. *see* Akhmerov, N.A. 4—49959
Egorova, T.S. *see* Usik, V.A. 4—39613
Egorushkin, A.A. Use of the iterative barrier-function method for solving convex programming problems 4—46160
Egorychev, L.N., Osipov, V.P. Thermostat for normal cells 4—33526
Eguchi, K. *see* Kawashima, S. 4—51526
Eguchi, M. *see* Nakayama, T. 4—38408
Eguchi, N. Wind generator system for microwave radio relay station 4—34532
Eguchi, N. *see* Yamamura, H. 4—56903
Eguchi, T., Fujinawa, Y., Ishihara, N. Clock correction system for the pop-up type ocean bottom seismometer 4—44905
Eguren, J. *see* Sala, G. 4—34924
Egusa, S., Kirk, M.A., Birtcher, R.C., Hagiwara, M., Kawanishi, S. Irradiation effects on the mechanical properties of composite organic insulators 4—36953
Ehara, K., Morimoto, T., Muramoto, S., Matsuo, S. Planar interconnection technology for LSI fabrication utilizing lift-off process 4—30770
Ehara, T. *see* Okada, K. 4—55354
Ehinger, K., Summerfield, S., Bauhofer, W., Roth, S. DC and microwave conductivity of iodine-doped polyacetylene 4—51797
Ehlers, E.R. An empirical design technique for microwave oscillators 4—41233
Ehlers, H.K.F., Jacobs, S., Leger, L.J., Miller, E. Space Shuttle contamination measurements from flights STS-1 through STS-4 4—61856
Ehlers, K.W., Leung, K.N. Effects of cesium in the plasma of the surface conversion H^- source 4—44683
Ehlers, K.W. *see* Leung, K.N. 4—44670, 4—58681, 4—61636
Ehlers, K.W. *see* Lietzke, A.F. 4—61642
Ehlers, K.W. *see* Matuk, C.A. 4—61667
Ehlers, K.W. *see* van Bommel, P.J.M. 4—55807, 4—61635
Ehlert, L.B. *see* Cole, B.E. 4—42448
Ehlig, P. *see* Chirayil, R. 4—32525
Ehlinger, J.C. Routing videotex through the network 4—54207
Ehlinger, J.C. Information transfer in the local exchange 4—54248
Ehrenberg, D.G. *see* Ross, D.G. 4—54778
Ehrenreich, H. Comments on current photovoltaic technology 4—50073
Ehrhardt, F., Braun, U. Methods of simulating bubble domain behaviour 4—47206
Ehrich, H. *see* Buckstegge, J. 4—57546
Ehringer, H., Zegers, P., Hoyaux, G. *(editor)* Energy Conservation by Energy Storage: Advanced Batteries and Fuel Cells. Proceedings of the Third Contractors Meeting (EUR-8660-EN) 4—40712
Ehrlich, D.J. *see* Graber, W.S. 4—59000
Ehrlich, S. *see* Frey, D.J. 4—62398
Ehrlickman, R.L. *see* Barish, A.E. 4—29969
Ehrmann, J. *see* Chakraborty, D. 4—50982
Ehrmann-Falkenau, E., Stocker, H.R., Ruppel, C., Mader, W.R. SAW-filters for spectral shaping in a 140 Mbit/s digital radio system using 16 QAM 4—52386
Ehrmann-Falkenau, E. *see* Ruppel, C. 4—52387
Ei Bae Jeong *see* Jeong Ei Bae
Eib, N.K., Furukawa, T., Mittal, K.L. Digital low noise DC power supply for tunneling spectrometers 4—50961
Eichel, H. Circuit resets CMOS μPs 4—29638
Eichel, H. What to watch out for when designing CMOS microcomputers 4—35841
Eichel, H. Interrupt processing compared 4—58355
Eichelberger, E.B. Trends in VLSI testing 4—46514
Eichenbaum, A.L. Specification and design of modern traveling wave tubes 4—36227
Eichenberg, D. How to reduce the power consumption of an electromechanical contactor 4—35707
Eichhorn, J. The implementation of computer and audio-visually assisted information systems 4—54288
Eichhorn, K.F., Schubert, W., David, E. Maintenance, training and functional use of denervated muscles 4—56144
Eichinger, H. Dry-type transformers 4—45482
Eichler, R. *see* Beiermann, N. 4—39358
Eichler, R. *see* Bertl, W. 4—33757
Eichmann, G. *see* Hemmati, F. 4—51371
Eichmeier, J., Glaeser, M., Birk, M., Blumel, G. An electronic device for the conservation of low frequency biosignals into the auditory range 4—61789
Eichmeier, J. *see* Sonning, W. 4—59768
Eichner, W. Customer specific liquid crystal displays 4—39244
Eichner, W. *see* Schwarzer, W. 4—40729
Eickermann, H.J. *see* Huber, B. 4—40827
Eickhoff, W., Brinkmeyer, E. Scattering loss vs. polarization holding ability of single-mode fibers 4—37092
Eid, A.M. *see* Gomma, M.A. 4—39628
Eidel'man, S.D. *see* Pletneva, T.G. 4—53340
Eidel'nant, M.P. *see* Ben'kova, L.F. 4—48863
Eiden, G. *see* Park, H.K. 4—46970
Eiden, G.C. *see* Yamaguchi, T. 4—36877
Eidson, S. Videotex hardware heralds another node—the home 4—48061
Eidson, S. Leased-line and videotex applications are targets of one-chip modem 4—54484
Eifert, R. Methodology for the determination of temperature fields in hybrid circuits 4—41741
Eigler, H., Donth, H. Dark currents in n-channel bulk CCD 4—42066
Eigler, H., Mende, M. Analysis of the charge transport in CCD shift registers 4—42067
Eijnde, W.F.K.van den *see* van den Eijnde, W.F.K.
Eijndhoven, J.T.J.van *see* van Eijndhoven, J.T.J.
Eikmeyer, H.J., Gibbon, D. BATNET: an ATN system in a non LISP situation 4—54388
Eilenberger, D.J. *see* Smith, P.W. 4—31490
Eimerer, T., Theil, G. Homogeneity studies on fault data from the Austrian 110 kV and 220 kV system 4—34201
Einarsson, G. Channel capacity and error probability bounds for a model of a code-division multiple access system 4—43002
Einarsson, G. Coding for a multiple-access frequency-hopping system 4—53394
Eingorn, I.Ya. *see* Svirskii, V.R. 4—34718
Einstein, H. *see* Bellows, R.J. 4—40423
Einstein, S.G., Maudsley, A.A., Seong Ki Mun, Simon, H.E., Hilal, S.K., Sano, R.M., Roeschmann, P. Installation of high-field NMR systems into existing clinical facilities: special considerations 4—61846
Einziger, P.D., Haramaty, Y., Felsen, L.B. Radiation from planar aperture distributions by evanescent wave and complex ray analysis 4—37588
Eisa, M. *see* El-Fiki, M.A. 4—55966
Eisele, H. *see* Wagner, R. 4—62770
Eisen, F. *see* Asbeck, P.M. 4—42147
Eisen, F.H., Tomasetta, L.R. Ion implantation 4—30517
Eisen, F.H. *see* Asbeck, P.M. 4—29822, 4—51386, 4—59017
Eisenbeiss, A., Heinrich, H., Jakubowicz, A., Maurer, W., Palmetshofer, L., Preier, H.M., Bachem, K.H., Bottner, H. Investigation of diffusion length and lifetime in lead chalcogenides by electron-beam-induced-current measurements at low temperatures 4—51776
Eisenbeiss, A. *see* Preier, H.M. 4—59501
Eisenberg, A. The rise of the writing class 4—46057
Eisenberger, P. *see* Brennan, S. 4—56054
Eisenberger, P.M. *see* Abeles, B. 4—58048
Eisenbrown, R., Kerkkanen, Y. High performance AC drives for pulp and paper mill application 4—62887
Eisenhandler, E. *see* Astbury, A. 4—33756
Eisenhart, D., Smolka, J. New Isokond capacitors with high efficiency of reactive current compensation 4—45580
Eisenhauer, G., Krabiell, H., Weigel, H.G. District heating for Herdecke 4—56807
Eisenhauer, J. *see* Vemuri, S. 4—56504
Eisenhauer, J.T. *see* Kumar, A.B.R. 4—56506
Eisenhut, D.G. *see* Fischetti, M.A. 4—45226
Eisenhut, G. *see* Dingeldey, R. 4—48475
Eisenhuth, J., Kasch, D., Starker, P. Arc protection for DC voltage switch cubicles of tram and trolley bus power supply plant 4—34786
Eisenstadt, W.R., Hammond, R.B., Dutton, R.W. Integrated silicon photoconductors for picosecond pulsing and gating 4—58974
Eisenstadt, W.R. *see* Hammond, R.B. 4—59302
Eisenstein, B.A., Cook, K.R., Bordogna, J. Beyond the minima 4—35201
Eisenstein, G. Theoretical design of single-layer antireflection coatings on laser facets 4—37368
Eisenstein, G., Tucker, R.S., Kaminow, I.P., Lee, T.P., Burrus, C.A. InGaAsP 1.3 μm optical amplifier-modulator integrated with a fibre-resonator mode-locked laser 4—52967
Eisenstein, G. *see* Lee, T.P. 4—53046
Eisfelder, H. Selling through interactive videotext network 4—54185
Eismont, V.P. *see* Smirnov, A.N. 4—61696
Eissa, H.M. *see* El-Fiki, M.A. 4—55965
Eissa, H.M. *see* Kenawy, M.A. 4—55964
Eissing, G. *see* Noack, M. 4—48890
Eitan, B., McCreary, J.L., Amrany, D., Shappir, J. Substrate hot electron-injection EPROM 4—46458
Eitan, B. *see* McCreary, J.L. 4—35799
Eizaguirre, J. *see* Garcia-Fernandez, M.A. 4—49267
Eizenberg, M., Brener, R., Murarka, S.P. Thermal stability of the aluminum/titanium carbide/silicon contact system 4—46877
Eizenberg, M. *see* Lahav, A. 4—51863
Eizenman, M. *see* Krolik, J. 4—60063
Ejima, K. *see* Nagata, M. 4—57608
Ejimanya, J., Morgan, D.V. Damage induced degradation of metal contacts on gallium arsenide 4—41901
Ejiri, M. Advanced facsimile communication network 4—32289
Ejiri, M., Endo, T. Facsimile communication in digital network 4—43688
Ejiri, M. *see* Fukushima, T. 4—60174
Ek, G. The use of advanced computer installation for design carries with it considerable advantages 4—58112
Ekanayake, N. On differential detection of binary FM 4—47829
Ekanayake, N. DPSK signaling over hard limiting channel in the presence of intersymbol interference 4—53370
Ekelof, T. *see* Eek, L.O. 4—49069
Eken, F. *see* Duvoisin, P.F. 4—37832, 4—60412
Ekholm, D.T. *see* Bonyhard, P.I. 4—37037
Ekimov, A.V., Revyakov, M.I. Check-interval determination for a means of measurement with two types of failure 4—55133
Ekin, J.W., Hong, M. Electrochemical and metallurgical properties of liquid-infiltration Nb-Ta/Sn multifilamentary superconductor 4—52476
Eklund, J. Condition monitoring of a turbine control system using a microcomputer 4—39989
Ektare, A.B. *see* Paranjpe, S.K. 4—29575, 4—46533
Ekwue, A.O. Stochastic fault analysis 4—49636
Ekwue, A.O. Investigations of the transmission system expansion problem 4—62122
Ekwue, A.O. A computer-aided design algorithm for power transmission planning using sensitivity analysis 4—62149
Ekwue, A.O., Cory, B.J. Transmission system expansion planning by interactive methods 4—56509
El Amin, M.H.M. *see* Evans, B.G. 4—38574
El Awady, R. *see* Mandour, I. 4—29688

El Ayadi, M.H. NAR AGC adaptive detection of signals deformed by random linear filtering using generalized matched and antimatched filters 4−47839
El Cid, J.L.Del Valle *see* Del Valle El Cid, J.L.
El Gamal, A., Greene, J.W., Pang, K.F. VLSI complexity of coding 4−47785
El Gamal, A., Pang, K.F., Ahlswede, R. A two family extremal problem in Hamming space 4−35380
El Gamal, A.A. *see* Costa, M.H.M. 4−47712
El Gomati, M.M. The effect of anode cleanliness on emission noise in a field emission gun 4−41750
El Hadj Amor, B. *see* Baylou, P. 4−60207
El Kadiri, M., Parneix, J.P., Chapoton, A. On a general TDS method giving directly the dielectric response function: application to anisotropic materials 4−61502
El Leil, M.M.Abou *see* Abou El Leil, M.M.
El Minywai, N., Pottier, J., Valat, J. Determination of electrostatic fields and equipotentials using Fredholm's method 4−47546
El Nokali, M., Adler, E.L. Analysis of the SAW Schottky diode storage correlator in the flash-mode 4−52427
El Sherif, A.S. MIC mixer operating with phase and frequency modulated signal 4−29731
El-adaway, H. Coefficient determination of the numerical Fourier transform with equidistant sampling. I. Derivation procedure if the natural spline function of arbitrary order is used 4−57895
El-Adl, E.H. *see* El-Fiki, M.A. 4−55966
El-Amin, I.M., Abdur Rahim, A.H.M. Stabilization of an interconnected power system with wind generator infeed 4−34557
El-Asir, B. *see* Onishi, S. 4−52429
El-Daoushy, F., Tolonen, K. Lead-210 and heavy metal contents in dated ombrotrophic peat hummocks from Finland 4−56027
El-Deeb, N.A. *see* Tripathi, V.K. 4−41540
El-Deek, M.E., Samir, S.F. Influence of load location in mode tuning of microwave ovens 4−40598
El-Diwany, M.H., Eltoukhy, A.S. Polysilicon base contact in I2L transistors 4−42143
El-Fayoumi, T.H. *see* Talkhan, E.A. 4−41463
El-Fiki, M.A., Kenawy, M.A., Eissa, H.M., Abbas, A.F. Response of lithium-disilicate glasses with neodymium-uranium contents to gamma rays and neutrons 4−55965
El-Fiki, M.A., Kenawy, M.A., El-Adl, E.H., Eisa, M., Gomma, M.A. Charged particle tracks in plastics 4−55966
El-Fiki, M.A. *see* Kenawy, M.A. 4−55964
El-Gabaly, M., Al-Zinky, J. Potential and limitations of Schottky-barrier BARITT devices 4−47004
El-Gabaly, M., El-Shandwily, M.E. Theoretical analysis of intermodulation distortion of reflection-type IMPATT amplifiers 4−41588
El-Gabaly, M.A. *see* Mains, R.K. 4−58522
El-Geldawy, F.A. *see* Abou-Houssein, M.S. 4−35062
El-Geldawy, F.A. *see* Abou-Hussein, M.S. 4−34926
El-Gindy, H. *see* Avis, D. 4−47718
El-Halawany, S., Bacewicz, R., Filipowicz, J., Trykozko, R. Photoconductivity of flash evaporated $CuInSe_2$ thin films 4−52769
El-Hang Lee Extended growth of subgrain-boundary-free silicon-on-insulator via thermal gradient variation 4−41811
El-Hawary, F. Accounting for attenuation in subsurface layered media parameter estimation: a frequency domain approach 4−60933
El-Hawary, M.E. *see* Rao, R.S. 4−34480
El-Hefnawi, M.M. Performance evaluation of decision feedback equalizer under mismatch 4−43061
El-Hefnawy, A.A. *see* Aubry, J.F. 4−49910
El-Kady, M.A. A partitioned polynomial integration algorithm for failure probability evaluation 4−35343
El-Kady, M.A. Computer-aided planning of distribution substation and primary feeders 4−56501
El-Kady, M.A. Calculation of the sensitivity of power cable ampacity to variations of design and environmental parameters 4−62195
El-Kady, M.A., El-Sobki, M.S., Sinh, N.K. Reliability evaluation of power systems based on real-time emergency dispatch 4−34098
El-Kady, M.A. *see* Bandler, J.W. 4−50917, 4−56474
El-Kareh, B. High density field-effect transistor memory cell 4−35800
El-Kareh, B., Garnache, R.R., White, F.R. Trench node one-device memory cell process 4−35804
El-Kareh, B., Ghatalia, A.K. Deep boron channel stop 4−46926
El-kassas, S.I., Abdel-Halim, I.A.M., Mansour, W.M. Effect of source reactance on the controllable three-phase bridge rectifier operation with series R-L loads 4−57198
El-Khoury, G. *see* Tew, M. 4−59708
El-Kolaly, M.A. *see* Gomma, M.A. 4−39628
El-Korashy, A.M. *see* Richards, D. 4−47325
El-Maghraby, M.H. *see* Abed, Y.A. 4−34268, 4−34927, 4−34928
El-Maghraby, M.H. *see* Abou-Houssein, M.S. 4−35062
El-Maghraby, M.H. *see* Abou-Hussein, M.S. 4−34926
El-Markabi, M.H.S., Freeman, E.M. Normalised impedance of circular, trapezoidal and rectangular conductors in semiclosed slots: a unified transmission line approach [rotor bars] 4−40207
El-Marsafawy, E., Menzies, R.W., Mathur, R.M. Combination of diakoptic and fast-decoupling techniques for an efficient load-flow solution of very large power system networks 4−39825
El-Masry, E.I., Josephs, L.C. Optimum weighting functions in delay equalization 4−31957
El-Rabbie, E.M. *see* Al-Hussaini, E.K. 4−53375
El-Rouby, N. *see* Hosny, E.A. 4−41159
El-Sadek, A. *see* Wagner, C. 4−36254
El-Sadek, M. *see* Hammad, A.E. 4−57215
El-Salam, I.Abd *see* Abd El-Salam, I.
El-Sayed, L.M., Steelman, J.E. Power factor improvement of phase controlled rectifiers by capacitor compensation 4−49983
El-Sayed, M., El-Sobki, S., Anis, H., Malik, F.A. A modified minimum cut-set approach to the study of power system reliability 4−34082
El-Sayed, M.A., El-Sobky, S., Hassan, A., El-Tablawy, T. Economical marginal reserve capacity for the Egyptian power generation system 4−34129
El-Sayed, M.L. *see* Abdalla, O.H. 4−34628
El-Sayed, Y.M. Redesigning energy intensive systems for a dual purpose 4−40645
El-Sayes, M.A. *see* Abed, Y.A. 4−34268, 4−34927, 4−34928
El-Senoussi, M. *see* Wrede, D.E. 4−39634
El-Serafi, A.M. *see* Jordan, H. 4−34570
El-Shabasy, M., Pogany, L., Konczos, G., Hajto, E., Szikora, B. Scratch-profiles study in thin films using SEM and EDS 4−50849
El-Shandwily, M.E. *see* El-Gabaly, M. 4−41588
El-Sharkawi, E., Shaffie, H., King, D.J. AC auxiliary power system design for the Shoubrah El-Kheima power station 4−62170
El-sharkawy, A.-W.A. *see* Zaghloul, M.S. 4−58718
El-Sheikh, T.S. Optimal classification of Gaussian patterns with unknown mean vectors 4−38093
El-Sheikh, T.S. *see* Wacker, A.G. 4−32046
El-Sheikhi, F.A., Billington, R. Generating unit maintenance scheduling for single and two interconnected systems 4−40802
El-Sherbini, A., Pao, Y.-H. A pipeline architecture for implementing Durbin's recursive procedure 4−53576
El-Sherbini, A. *see* Pao, Y.-H. 4−32072
El-Sherbini, A.H.M. *see* Wang, F.A. 4−35857
El-Sherief, H. Adaptive least-squares for parametric spectral estimation and its application to pulse estimation and deconvolution of seismic data 4−53695
El-Sherief, H., Abdel-Magid, Y.L. An efficient online load-modeling algorithm for short-term forecasting of interconnected power systems 4−34040
El-Sherif, N. *see* Mehra, R. 4−49216
El-Shibini, M.A. *see* Osman, Z. 4−34263
El-Shirbeeny, E.H. Reliability based maintenance of electric equipment 4−34068
El-Shirbeeny, E.H.T. Energy conservation prospects through electric load management 4−34075
El-Shirbeeny, El-H.T., Rajagopalarao, P. Perspectives on instrumentation training 4−50346
El-Shobokshy, M.S. *see* Zakzouk, A.K.M. 4−34881
El-Sobki, M.S. *see* El-Kady, M.A. 4−34098
El-Sobki, S. *see* El-Sayed, M. 4−34082
El-Sobky, S. *see* El-Sayed, M.A. 4−34129
El-Sulaiman, A.A., Ahmed, A.S., Qureshi, M.I. Study of DC conduction in aged transformer oil under non-uniform high fields 4−47144
El-Tablawy, T. *see* El-Sayed, M.A. 4−34129
El-Tamaly, H.H. *see* Abou-Houssein, M.S. 4−35062
El-Tamaly, H.H. *see* Abou-Hussein, M.S. 4−34926
El-Tobshy, A.M. *see* Abdel Aziz, M.M. 4−30614
El-wailly, F., Costello, D. Performance analysis of coded frequency hopped spread-spectrum receivers with partial band jamming 4−43957
El-ziq, Y.M. S-cubed: VLSI self-test using signature analysis and scan path techniques 4−30742
El-ziq, Y.M. S^3: VLSI self-test using signature analysis and scan path techniques 4−36765
Elabd, H., Kosonocky, W.F. Silicon based Schottky barrier infrared sensors for power system and industrial applications 4−55475
Elabd, H., Tower, J.R., McCarthy, B.M. High-density Schottky barrier IRCCD sensors for remote sensing applications 4−56265
Elabd, H. *see* Kosonocky, W.F. 4−55241
Elagina, S.P. *see* Kul'chitskii, A.I. 4−39809
Elbel, T. Galvanic and thermomagnetic effects of polycrystalline InSb layers 4−36279
Elboraey, F. *see* Zaki, M. 4−42282
Elburn, A.J., Davies, D.R.G., Rex, J. Automated data capture and processing 4−47984
El'Darov, O.A. *see* Farkhadzade, E.M. 4−40669
Elden, L. An efficient algorithm for the regularization of ill-conditioned least squares problems with triangular Toeplitz matrix 4−29389
Elden, L. An algorithm for the regularization of ill-conditioned, banded least squares problems 4−29390
Elder, D.I., Clawson, A.R. Determination of $In_{0.53}Ga_{0.47}As$ layer thicknesses from etched steps 4−30521
Eldesouky, A.I., Elkonyaly, E., Abou-Hussein, M. Control of synchronous machines over wide operating range 4−34626
Eldon, J. Digital correlator defends signal integrity with multibit precision 4−41423
Eldon, J., Gagnon, M., Williams, F. One-micron VLSI chips for military systems 4−30672
Eldon, J.A. Digital correlators suit military applications 4−60021
Eldon, J.A., Haight, J.D. New CMOS chip facilitates multibit correlation 4−51312
Eldredge, D. *see* Hitt, E.F. 4−44870, 4−44871
Eldredge, G.P., Grzelakowski, M.E., Prestinario, J.A. Meet AT&T's 3B computer family 4−54366
Eldridge, G.W. *see* CLarke, R.C. 4−51983
Eldridge, J. *see* Saunders, J. 4−55051
Eldumiati, I.I. *see* Avanessians, A.A. 4−54499
Elela, A.A.Abou *see* Abou Elela, A.A.
Elender, J. Asynchronous motors for the chemical industry 4−40259
Elenius, K. *see* Blomberg, M. 4−59972
Elenius, K. *see* Magnusson, L. 4−43244
Elenkrig, B.B. *see* Borodulin, V.I. 4−42662
Elenkrig, B.B. *see* Smiyan, B.I. 4−59546
Elepin, A.P. *see* Kretinin, O.V. 4−61525
Elerath, D.E. Synthetic aperture beam control system 4−53030
Eletskii, V.S., Marasev, V.I., Ogon'kov, Yu.N. A circuit for converting the signal from a conductometric cytometer for recording with an AI-128 pulse-height analyzer 4−33790
Eley, A.S. Performance of alternative adaptive interference canceller configurations in a shipboard environment 4−37679
Elfsten, B., Norde, H., Tove, P.A. Influence of metal sheet resistivity on the IV-characteristics of metal-semiconductor diodes 4−47002
ElGamal, T. A subexponential-time algorithm for computing discrete logarithms over $GF(p^2)$ 4−53441
Elgawhary, A.M., Shroff, G.H., Desai, M.S. Overview of utility solid waste management 4−49770
Elgazzar, S., Onyshko, S. Resetting of type-II pulse-frequency modulators 4−41254
Elgered, G., Lundqvist, G. A three-year study of radio wave propagating delays due to tropospheric water vapor 4−47590
Elgomayel, J.I. *see* Pugh, G.A. 4−29280
Elhakeem, A.K. A new gap detection modulation-coding system 4−31879
Elhakeem, A.K. A new 3-dimensional modulation-coding system 4−31887
Elhakeem, A.K., Hafex, H.M., Mahmoud, S.A. Spread-spectrum access to mixed voice-data local area networks 4−32082
Elhakeem, A.K., Hafez, H.M., Mahmoud, S. A new mixed voice-data local area network 4−32116
Elhakeem, A.K., Mahmoud, S., Hafez, H.M. A new hybrid mode spread spectrum multiple access system 4−38128
Elhussein, A.E., McCleer, P.J., Kazda, L.F. A generalized representation of PWM waveforms [power systems] 4−62098
Elia, M., Prati, F. On the complete decoding of binary linear codes 4−43168
Elia, M. *see* Ajmone Marsan, M. 4−37788
Elia, M. *see* Biglieri, E. 4−37852, 4−43595
Elia, M. *see* Canovai, G. 4−38504
Elias, J. Measuring laser beam radius 4−31458
Elias, J. Power controller protects personal computers 4−41190
Elias, L., Hu, R.-C.J., Ramian, G. Properties of the UCSB FEL wiggler 4−47489
Elias, L. *see* Amir, A. 4−37269, 4−47474
Elias, L.R., Ramian, G.J. Status report of the UCSB FEL experimental program 4−47372
Elias, N.Y., Mirza, A.S. Computer simulation of homogeneous combustion parameters and emissions control in gasoline engine 4−44927
Elie, G.T. *see* Chang, H.J. 4−41989
Elinson, M.I. *see* Ermakov, M.G. 4−46855
Elinson, M.I. *see* Rzhanov, A.V. 4−36246
Eliott, T.W. Common errors in application of MIL-STD-781 4−46036
Eliseev, G. *see* Arefiev, A. 4−55843
Eliseev, P.G. Injection lasers in the 1.3-1.8 μm wavelength range 4−42618
Eliseev, P.G. An analysis of the selection of transverse modes of a laser based on a buried semiconductor heterostructure as a result of lateral leakage of carriers 4−59549
Eliseev, P.G., Kochetkov, A.A. Accelerated service life tests on injection lasers and transmitter modules 4−42660

Eliseev, P.G. *see* Bogatov, A.P. 4—31395, 4—59548
Eliseev, P.G. *see* Drakin, A.E. 4—47455
Eliseev, V.I. Estimation of characteristics of communication channels with variable parameters 4—43030
Eliseev, Yu.V. *see* Lelechitskii, E.S. 4—53231
Eliseyev, V.O. *see* Vorob'ev, A.M. 4—35676
Elizarov, A.I., Ivanov-Omskii, V.I., Korniyash, A.A., Petryakov, V.A. Problem of the anomalies of the low-temperature transport coefficients of $Hg_{1-x}Cd_xTe$ 4—58731
Elizarova, T.G. *see* Gerasimov, B.P. 4—37460
Elkonyaly, E. *see* Eldesouky, A.I. 4—34626
Elkordi, M. *see* Mauger, R. 4—57308
Elksnis, V.Ya., Volchukov, N.P. Commutation of DC machines allowing for magnetic asymmetry 4—40268
Ell, T.E. *see* Brecke, R.A. 4—42253
Ellder, J., Lundahl, L., Morris, D. Test of phase-retrieval holography on the Onsala 20 m radiotelescope 4—60946
Elldin, A. Teletraffic training—a must 4—54061
Elleaume, P. Macro-temporal structure of storage ring free electron lasers 4—42501
Elleaume, P., Deacon, D.A.G. Evolution of the transverse modes in a FEL, and application to the Orsay experiment 4—47382
Elleaume, P., Ortega, J.M., Billardon, M., Bazin, C., Bergher, M., Velghe, M., Petroff, Y., Deacon, D.A.G., Robinson, K.E., Madey, J.M.J. Results of the free electron laser oscillation experiments on the ACO storage ring 4—42500
Elleaume, P. *see* Billardon, M. 4—47383
Elleaume, P. *see* Deacon, D.A.G. 4—52829
Elleman, D.D. *see* Wang, T.G. 4—50733
Ellena, F. *see* Antognetti, P. 4—30737
Ellena, T.L. *see* Lefler, L.F. 4—48459
Ellerman, D.P. Arbitrage theory: a mathematical introduction 4—35567
Elliman, R.G. *see* Herbots, N. 4—42014
Elliot, A.G. *see* Pearton, S.J. 4—30518
Elliot, G. NEL Breakwater—Britain's proposed first wave power station 4—34486
Elliott, C.R. *see* Wakefield, B. 4—46807
Elliott, D. Medical data processing services 4—54453
Elliott, D.F. Varying null locations and the number of nulls in DFT windows 4—29329
Elliott, D.G. Two-phase turbine staging 4—34466
Elliott, D.J. *see* Alvarez, F.P. 4—36676
Elliott, D.M., Moore, H.L., Ryden, T.K. The Dallas fixed guideway rapid transit mode analysis: a prototype for suppliers and decision makers 4—62765
Elliott, G.R. *see* Ahmed, N. 4—53750
Elliott, H., Derin, H., Cristi, R., Geman, D. Application of the Gibbs distribution to image segmentation 4—60241
Elliott, H. *see* Derin, H. 4—60242
Elliott, J.V. Automatic gold plating for PCB tab connectors 4—41700
Elliott, K.R. *see* Kirkpatrick, C.G. 4—50796
Elliott, P.G., Ingersoll, G.M., Smith, C.B. Trends and attitudes in the use of educational media and materials 4—45860
Elliott, R.S. *see* Flegal, W.M. 4—52636
Elliott, V. Keeping a check on solder defects PCBs 4—36140
Ellis, A.B. *see* Hobson, W.S. 4—52772
Ellis, A.B. *see* Smiley, P.M. 4—50025
Ellis, A.I. Pre-test diagnostics: validation of experimental data 4—29236
Ellis, C. Meeting changing needs—a supplier's view [telecommunications] 4—43898
Ellis, C. The integration of voice and data in business communications 4—43909
Ellis, C. Integrated office communications 4—48208
Ellis, C. Integrating voice and data 4—60609
Ellis, D. The Jen Musipack 1.0 4—48631
Ellis, D. SCI Model 64 sequencer 4—48634
Ellis, D. Inside MIDI [Musical Instrument Digital Interface] 4—48636
Ellis, D. MIDI and the Micro [Musical Instrument Digital Interface] 4—48637
Ellis, D. The Syndrom. II. Getting it together [percussion project] 4—48642
Ellis, D. Jellinghaus Music Systems: MIDI computer interface and software 4—55096
Ellis, D. Electromusic research MIDI software and hardware for the BBC Micro 4—61127
Ellis, D. The Syndrom. III. Fun and frolics 4—61128
Ellis, F.B., Jr., Gordon, R.G., Paul, W., Yacobi, B.G. Properties of hydrogenated amorphous silicon prepared by chemical vapor deposition 4—51751
Ellis, J. Performance of a dedicated VLBI system for TDRSS navigation 4—44193
Ellis, J., Mualla, W. Dynamic behaviour of safety butterfly valves 4—40803
Ellis, J. *see* Campbell, J.K. 4—49356
Ellis, M. Dual-mode power supply works either linearly or as a switcher 4—50937
Ellis, N. *see* Astbury, A. 4—33756
Ellis, R.S. Mains frequency induction steam generators 4—50228
Ellis, T.E., Schmitt, G.P., Shipley, J.F., Smith, J.F. Chlorofluorocarbon polymers for improved circuit boards 4—46670
Ellis, W. *see* Adler, E. 4—35811
Ellis, W. *see* Kalter, H. 4—30799
Ellis, W.F. Decoded isolation device for decoders [in dynamic RAM] 4—51222
Ellison, A.J. *see* Timar Peregrin, L. 4—34648
Ellison, J.A. *see* Baker, S.I. 4—33727
Ellithy, K.A. *see* Choudhry, M.A. 4—62517
Ellwanger, R.C. *see* Morgan, A.E. 4—51867
Elmakis, D. *see* Naot, Y. 4—40359
El'man, V.O. *see* Ivanchura, V.I. 4—34815
Elmanov, G.N. *see* Evstyukhin, A.I. 4—31058
Elmasry, M.I. Symbolic layout and high level VLSI design 4—52310
Elmasry, N.A. *see* Stadelmaier, H.H. 4—58056
Elmer, P. Transient recorder—the new alternative to the UV recorder 4—33333
Elmikati, H., Elsohly, A.A. Extension of projection method to nonuniformly linear antenna arrays 4—47663
Elmoursi, A.A., Castle, G.S.P. The analysis of corona quenching in cylindrical precipitators using charge simulation 4—53179
Elnoubi, S. Performance of a transmitter diversity MSK mobile radio system with two-bit differential detection 4—37830
Eloev, O.Z. *see* Basiladze, S.G. 4—61283
Eloy, G. *see* Le Grand, Y.M. 4—54480
Eloy, J.F., Stefani, R. Contribution to quantitative analysis of materials by laser microprobe 4—61732
Elphick, C. *see* Nyaiesh, A.R. 4—41114
Elrefaie, A.F., Kurz, L. A recursive approach to detection of BPSK in the presence of nonlinearity and Gaussian noise 4—31998
Elrod, T.P., Hill, P.B., Raby, C.L. Programmable process for identifying time spent by each component in a communication line session between two (or more) devices 4—38156
Elrod, U. *see* Avirovic, M. 4—58009
Elsaesser, T., Poland, H.J., Seilmeier, A., Kaiser, W. Narrow-band infrared picosecond pulses tunable between 1.2 and 1.4 μm generated by a traveling-wave dye laser 4—37425
Elsamahy, A.M. *see* Paul, R.J.A. 4—57095
Elsasser, W. Power dependence of the linewidth enhancement term in semiconductor lasers 4—47450
Elsayed-Ali, H. *see* Zediker, M.S. 4—31337
Elsayed-Ali, H.E., Miley, G.H. Kinetic model of photolytic O_2 ($^1\Delta$) generation 4—59424
Elsbrock, J.B., Balk, L.J. Quantitative evaluation of micromagnetic fields by means of a scanning electron microscope 4—55645
Elsbrock, J.B. *see* Balk, L.J. 4—55646
Elschner, H., Ploss, W., Spallek, R., Stenzel, R. SEMICO—a program system for GaAs component simulation 4—30643
Elschner, J. Galerkin methods with splines for singular integral equations over (0, 1) 4—35434
Elsinger, G. *see* von Ortenberg, M. 4—36305
Elsner, G., Hinkel, H., Kempf, J., Kern, G. Simplified method of determining the occurrence of dopant redistribution during the thermal oxidation of silicon 4—30534
Elsner, G., Hinkel, H., Kempf, J., Stahl, R. Silicon magnetic head slider with sapphire rails 4—31003
Elsner, G., Hinkel, H., Kempf, J., Stahl, R. Pulsed-laser-assisted molecular beam epitaxy 4—50774
Elsner, G., Hinkel, H., Kuenzel, U. Prevention of ion channelling by molecular ion implantation 4—30510
Elsner, G., Hinkel, H., Kuenzel, U. Set-up for measuring the thermomechanical properties of thin polymer films 4—50850
Elsner, L. A note on optimal block-scaling of matrices 4—46067
Elsner, N.B., Reynolds, G.H. Present state of boron-carbon thermoelectric materials 4—36301
Elsner, N.B. *see* Bass, J.C. 4—40508
Elsohly, A.A. *see* Elmikati, H. 4—47663
Elspass, C. *see* Bellows, R.J. 4—40423
Elste, P. *see* Auke, H. 4—48248
Elstner, L., Hadamovsky, H.F., Kamprath, W. Schottky power rectifier diodes 4—52060
Elston, G., Kellman, P. The effects of acoustic nonlinearities in acousto-optic signal processing systems 4—52737
Elton, R.C. *see* Dixon, R.H. 4—37258
Eltoukhy, A.A. *see* Roulston, D.J. 4—36556
Eltoukhy, A.S. *see* El-Diwany, M.H. 4—42143
Elward, J.P., Jr. *see* Avanessians, A.A. 4—54499
Elwell, D., Fiegelson, R.S., Simkins, M.M., Tiller, W.A. Crystal growth of GaN by the reaction between gallium and ammonia 4—29466
Elwell, D., Hahn, S. Effects of laser back-side damage upon mechanical properties of silicon 4—51752
Elwell, J.K. A controller-recorder for the Get Away Special [Space Shuttle] 4—56231
Ely, S.R., Kopitz, D. Design principles for VHF/FM radio receivers using the EBU radio-data system RDS 4—48570
Elze, G. *see* Bachus, E.-J. 4—54808
Ema, Y. *see* Yuasa, Y. 4—52804
Emanuel, A.E., Pileggi, D.J., Levitsky, F.J. Direct current generation in single-phase residential systems—DC effects and permissible levels 4—62171
Emanuel, A.E. *see* Cyganski, D. 4—34231
Emanuel, A.E. *see* Orr, J.A. 4—56606
Emanuel, D.A. *see* Lee, C.C. 4—51547
Emarah, A.S. *see* Choudhry, M.A. 4—62096
Embrathiry, M. *see* Yang, K. 4—58339
Embse, U.A.von der *see* von der Embse, U.A.
Emchenko-Rybko, A.V. *see* Akop'yants, K.S. 4—45786
Emel, W.A. *see* Fernandez, S.J. 4—33903
Emeleus, K.G. Double space-charge layers and anode glows [in discharge tubes] 4—30285
Emel'yanov, A.I. *see* Akhmerov, N.A. 4—49959
Emelyanov, I.Ya., Chernyaev, V.A. The possibilities of nuclear power plant operation in manoeuvrable duty 4—40016
Emel'yanov, N.P. *see* Azernikova, T.I. 4—39897
Emel'yanov, S.A. *see* Ganichev, S.D. 4—37199, 4—58723
Emel'yanova, L.I. *see* Varivodov, V.N. 4—30868
Emerson, A. Reliability testing— is the environment right? 4—50584
Emery, A.F., Yourstone, W.H., Jr. Electrical power generation from salinity gradients using pressure retarded osmosis 4—34478
Emery, K. *see* Thompson, L.R. 4—29532
Emilia, M. *see* Machado, H.B. 4—49242
Emiliani, P.L. *see* Del Re, E. 4—32106
Emin, C.D.J., Werner, J.F. The bulk acoustic wave properties of lithium tetraborate 4—36936
Emin, C.D.J. *see* Peach, R.C. 4—52364
Emin, D., Wood, C. Small-polaron electronic transport in boron carbides 4—36300
Eminger, G.F. Circuit pack adaptor for high-speed circuit packs 4—36149
Emma, T., McDonough, M. Characterization of sputtered zinc sulfide films 4—46241
Emmett, J.L., Krupke, W.F., Davis, J.I. Laser R&D at the Lawrence Livermore National Laboratory for fusion and isotope separation applications 4—53125
Emmons, R.B. *see* Grossman, S.B. 4—39071
Empson, T.R. *see* Scott, A.J. 4—55220
Emshary, C.A. *see* Harrison, R.G. 4—31466
Emson, C.R.I., Simkin, J. An optimal method for 3-D eddy currents 4—31596
Emura, H. *see* Akagiri, Y. 4—33043
Emura, K. *see* Shikada, M. 4—54810, 4—60877
Emura, M., Fukui, Y., Yoneda, S. Novel tracking amplifier composed of switch and comparator 4—29681
Emura, T. *see* Abe, K. 4—62837
Emura, T. *see* Okuno, K. 4—56320
En-Qiu Zhang *see* Zhang En-Qiu
En-Xu Ba *see* Ba En-Xu
En-Yue Wang *see* Wang En-Yue
Enabnit, E.G. Exclusive overhead distribution survey results 4—45045
Enabnit, E.G., Jr. Gloves versus sticks for working 15-35 kV 4—49608
Enache, R. Considerations on the influence of internal overvoltage waveform on the risk of failure of high voltage transmission line insulation 4—39871
Enamito, S., Sugimoto, T., Yamada, S. The development of combustors for burning low calorie gas in industrial gas turbines 4—62408
Encarnacao, J., Danthine, A., de Robien, E., Pellegrini, U., Purser, M., Sermet, A., Zetterberg, L.-H. Evaluation of COST project 11 (1972-77) and project 11bis (1980-1983) on 'teleinformatics' 4—32412
Encarnacao, J.L., Lindner, R., Mehl, M., Pfaff, G., Strasser, W. A VLSI implementation of the graphics standard GKS 4—51363
Encheva, T. *see* Christov, G. 4—29368
Enck, R.C. *see* Abkowitz, M. 4—30361
Endan, H. Free electron laser (FEL) 4—37266
Endemann, M., Englisch, W. Design of a space-borne LIDAR for measurements from operational satellites 4—61933
Endemann, M. *see* Englisch, W. 4—60818
Endemann, M. *see* Wiesemann, W. 4—60822
Endler, H. A wideband ×100 low noise microwave frequency multiplier 4—49428
Endlich, G., Fister, V., Brand, U. The supply of power to a communications station for a 380 kV aerial power line 4—56574
Endo, A., Ito, S., Ishihara, M. 256 kbit dynamic RAM 4—58320
Endo, A., Kobayashi, K., Nemoto, Y., Sato, R. Two-port equivalent circuits of two-wire parabolic tapered coupled transmission lines 4—37689
Endo, A., Yada, T. Thermal properties and etching characteristics of polyimide films 4—42193
Endo, A. *see* Takasago, H. 4—58655
Endo, E. *see* Koyama, S. 4—49657
Endo, I. *see* Sato, R. 4—37692
Endo, K. *see* Yoshida, S. 4—58018
Endo, M., Honda, T. Development of a new calorimeter for high-power laser measurement 4—37406

Endo, M., Moriyama, Y., Urasato, N. Ultra-fine silicon carbide prepared by CVD method 4−41115
Endo, M. *see* Hoshino, T. 4−51185
Endo, N., Kasai, N., Ishitani, A., Kurogi, Y. CMOS technology using SEG isolation technique 4−36850
Endo, N., Tanno, K., Ishitani, A., Kurogi, Y., Tsuya, H. Novel device isolation technology with selective epitaxial growth 4−59028
Endo, N. *see* Ishitani, A. 4−50755
Endo, N. *see* Masuoka, F. 4−35818, 4−51232
Endo, S. *see* Kikuchi, K. 4−35093
Endo, S. *see* Nakanishi, H. 4−51809
Endo, T., Ikeda, N., Kataoka, H., Watanabe, K. Digital facsimile intelligent communication system 4−54165
Endo, T., Suzuki, T. Analysis of phase-locked loops in the presence of interference by Galerkin's procedure 4−41259
Endo, T., Suzuki, T. Influence of an interfering second target on a certain amplitude-comparison monopulse radar system 4−44154
Endo, T. *see* Ejiri, M. 4−43688
Endo, T. *see* Watanabe, K. 4−38229
Endo, Y., Munakata, K., Aihara, M., Nanba, K., Ebinuma, Y., Sasaki, N. Development of locator for partial discharge in power cables 4−34193
Endo, Y. *see* Ara, K. 4−55404
Endo, Y. *see* Ito, K. 4−36107
Endoh, A., Watanabe, S., Watanabe, M. An electrically triggered 200 kV rail-gap switch for wide aperture excimer lasers 4−31309
Endoh, T. A study on breakdown triggers of XLPE cable insulation using new technique to suppress burning energy 4−39877
Endsley, N.H., Mord, A.J. A practical architecture for a real-time image resampling processor 4−53875
Eneborg, M., Insulander, J., Widl, W. Integrated maintenance of transmission systems in AXE 10 networks 4−54104
Eneborg, M., Johansen, B. Transmission maintenance system ZAN 101 4−54524
Enel, L., Leroy, Y., van de Velde, J.C., Mamouni, A. Improved recognition of thermal structures by microwave radiometry 4−33808
Eng, H., Goldberger, A., Goodhart, J. Video display and attributes controller ICs 4−61264
Eng, J. *see* Bir, D. 4−48368
Eng, K.Y., Haskell, B.G., Schmidt, R.L. Satellite transmission of three broadcast-quality TVs using time compression multiplexing 4−32913
Eng, S.T. *see* Alping, A. 4−60844
Eng, S.T. *see* Andersson, P. 4−42636
Eng, S.T. *see* Bergman, L.A. 4−52650
Engan, H., Ingebrigtsen, K., Ronnekleiv, A. On the design of high performance planar surface acoustic wave convolvers 4−52379
Engbersen, A. Two-dimensional convolution processor 4−53611
Enge, P.K., Sarwate, D.V. Sequence set for code division multiple access communication over the low frequency band 4−43947
Enge, W. *see* Berndt, M. 4−55959
Enge, W. *see* Krause, J. 4−55867
Enge, W. *see* Schwenck, P. 4−55863
Enge, W. *see* Sermund, G. 4−55857
Enge, W. *see* Wuhnsen, P. 4−55894
Engebretson, M.E. Low-frequency sound reproduction 4−48666
Engedal, H. *see* Morkrid, L. 4−44746
Engel, D., Riedel, H. DC network in the feed drive system of a lathe 4−57636
Engel, H., Schiffel, R. Basic electronic circuits. Circuits for the basic arithmetic modes. III 4−30051
Engel, H., Schiffel, R. Basic electronic circuits. Circuits for the basic arithmetic modes. IV 4−35643
Engel, H., Schiffel, R. Basic electronics circuits. Circuits for the basic arithmetic modes. V 4−35644
Engel, H., Schiffel, R. Basic electronic circuits. Some special linkage circuits. I 4−35904
Engel, H., Schiffel, R. Basic electronic circuits. II. Some special linkage circuits 4−35905
Engel, H., Schiffel, R. Basic electronic circuits. II. Series D13. The RAM 4−51207
Engel, H., Schiffel, R. Basic electronic circuits. I. Fixed value store 4−58315
Engel, H., Schiffel, R. Basic circuits of electronics: the read only memory. II [display circuitry applications] 4−58316
Engel, H., Schiffel, R. Basic electronics circuits. Series D 13. III. The RAM 4−58318
Engel, J.-M. Clinical application of advanced infrared thermography (IRT) in locomotor diseases 4−56088
Engel, M. *see* Scheidegger, A. 4−32508
Engel, P.A., Lim, C.K., Toda, M.D., Gjone, R. Thermal stress analysis of soldered pin connectors for complex electronic modules 4−58630
Engel, S. Variety, information and feedback 4−37930
Engel, S. *see* Dietrich, D. 4−60327
Engelen, C.P.M.Van *see* Van Engelen, C.P.M.
Engelhardt, J.S. *see* Roto, M.A. 4−30873
Engelhardt, K.G. *see* Wicke, R. 4−56173
Engelhardt, W. Spy in space: satellite with two eyes. The fourth Landsat geo-scanner studies the Earth 4−61852
Engelke, W., Schleithoff, K., Jestrich, H.-A., Termuehlen, H. Design, operating and inspection considerations to control stress corrosion of LP turbine disks 4−49843
Engelland, J.D. The evolving revolutionary all-electric airplane 4−49434
Engelmann, B. Local statements on dual methods in problems of multilevel optimization 4−35410
Engelmann, U., Meinzer, H.P. An image processing system for the analysis of gel electrophoresis 4−33848
Engelson, M. Reference-level control in spectrum analyzers: simplification through internal intelligence 4−61288
Engeman, J., Sorger, G. Spectrum analyzer advances receiver characteristics 4−55333
Engfer, R. *see* Bertl, W. 4−33757
Engh, L. *see* Fukahori, K. 4−51427
Engh, L. *see* Gregorian, R. 4−54503
Engl, H.W., Lindner, E. A combined boundary value and transmission problem arising from the calculation of eddy currents: well-posedness and numerical treatment 4−53157
Engl, W.L. *see* Zdebel, P.J. 4−51171
Engle, B. Cheap Power Ploy 12 V power supply design 4−50930
Englefield, C.G. *see* Das, S. 4−37091
Engler, J., Keim, H. A liquid ionization chamber using tetramethylsilane 4−55832
Engler, W. System buses, backplanes for Europe and USA 4−41715
Englert, Th., Maan, J.C., Remenyi, G., Kunzel, H., Ploog, K., Fischer, A., Briggs, A. Weak localization effects in GaAs doping superlattices 4−51837
Englich, J. *see* Cizek, P. 4−61540
Englisch, W., Endemann, M., Diehl, W., Wiesemann, W. CO_2 laser transceiver package with Gbit/s capability for space-to-space communications 4−60818
Englisch, W. *see* Endemann, M. 4−61933
Englisch, W. *see* Wiesemann, W. 4−60822
English, G.J., Rothwell, H.L. A metal halide projection lamp 4−57512
English, H. *see* Paker, Y. 4−54435
English, J. Industrial vacuum measurement and control 4−44644
English, K.S. Maximum likelihood estimation of the frequencies of multiple tones in noise 4−47624
English, R. *see* Astbury, A. 4−33756
English, S.V. *see* Peden, K. 4−34062
English, W.D. SBS and the North American telecommunications environment [Satellite Business Systems] 4−38581
Englmeier, K.H., Hecker, R., Poppl, S.J. A computer assisted estimate of the volume of the prostate gland obtained from transrectal ultrasonic tomograms 4−33827
Engoyan, T.M., Kozintsev, V.I., Nikiforov, V.G., Sil'nitskii, A.F. Determination of NO_2 concentration in the atmosphere by differential-absorption lidar 4−44174
Engstrom, O., Carlsson, A., Ryden, K.-H. Determination of lateral variation of interface states concentration by scanned light pulse technique 4−30456
Engvall, A.-G. *see* Hallberg, R. 4−62238
Enk, J.O., Abromavage, M.M. Exposure to low-level extremely low frequency electromagnetic fields near naval communications facilities 4−61838
Enkelmann, W. *see* Dreschler-Fischer, L. 4−38051
Enning, B. *see* Albrecht, W. 4−41216
Ennison, T., Jr. Sovereignty considerations in TDF−developing-country perspective 4−54326
Enns, M.K. *see* Alvarado, F.L. 4−56553
Eno, B.E. *see* Chang, K.-K. 4−40625
Enoki, K. *see* Yoshika, T. 4−52358
Enokizono, M., Kuwahara, K., Yano, T. Swing characteristics of alternating torque motors 4−40204
Enomoto, M. *see* Mizuno, A. 4−58432
Enomoto, N. *see* Goto, S. 4−50970
Enomoto, S. *see* Hara, T. 4−58802
Enomoto, T. *see* Tokuda, T. 4−51098
Enomoto, T. *see* Yasumoto, M. 4−51407
Enomoto, Y., Suzuki, M., Murakami, T. New optical detector using oxide superconductor $BaPb_{0.7}Bi_{0.3}O_3$ 4−38654
Enomoto, Y., Suzuki, M., Murakami, T. Highly sensitive optical detector using superconducting oxide $BaPb_{0.7}Bi_{0.3}O_3$ (BPB) 4−48898
Enos, G. *see* Petty, S. 4−40482
Enpuku, K., Sueoka, K., Yoshida, K., Irie, F. Minimum current of a two-junction SQUID gate 4−31079
Enpuku, K., Sueoka, K., Yoshida, K., Irie, F. Josephson NDRO memory cell with a direct-coupled sense gate 4−58334
Enrick, L. *see* Myers, B.L. 4−29344
Enright, K.Y., Van Auken, B.J., Jr. The role of design automation systems in IBM GTD bipolar product qualifications [gate arrays] 4−51183
Enshen Fu *see* Fu Enshen
Enslin, J.H.R. *see* van Wyk, J.D. 4−34554
Enslin, N.C. Pulsating torques and shaft vibrational resonance developed by induction motor drives when excited by a single set of positive sequence sinusoidal currents over a range of frequency 4−45689
Enteng Zou *see* Zou Enteng
Entin, E.E. *see* Kleinman, D.L. 4−34085
Enxu Ba *see* Ba Enxu
Enyao Wang *see* Wang Enyao
Enyue Wang *see* Wang Enyue
Enz, E. Local area networks for microcomputers 4−54331
Eom, H.J., Fung, A.K. Backscattering coefficient of a perturbed sinusoidal surface 4−37564
Eom, H.J. *see* Fung, A.K. 4−56304
Eom Ki Hwan *see* Ki Hwan Eom
Epelbaum, B.M. *see* Brantov, S.K. 4−29504
Eperin, A.P., Ivanov, V.A., Varovin, I.A., Blinov, A.N., Kulikova, G.G., Zemskov, A.A., Vorob'ev, A.V., Rodin'sh, M.A. Features of the operation of type RBMK power reactor units in regulating the load curve of a power system 4−45224
Ephraim, Y., Malah, D. Speech enhancement using vector spectral subtraction amplitude estimation 4−37898
Ephrath, A., Weiner, D., Capraro, G. Statistical analysis of digital circuits subjected to EMI induced delays 4−59797
Ephrath, L.M. *see* Bennett, R.S. 4−41990
Ephremides, A. Optical communications 4−38651
Ephremides, A. Adaptive routing in radio communication networks 4−54649
Ephremides, A. *see* Baker, D.J. 4−38475
Ephremides, A. *see* Wieselthier, J.E. 4−32125, 4−43954
Epifanov, A.P., Lebedev, A.M., Skobelev, V.E., Solov'ev, G.I. Study of total normal forces in a traction linear induction motor 4−49877
Epifanov, M.S., Galkin, G.N., Zhuravleva, L.L., Mustaev, P.T., Strebkov, D.S., Unishkov, V.A. Determination of the carrier lifetime in high-voltage silicon solar cells subjected to intense photoexcitation 4−45660
Epler, J.E., Holonyak, N., Brown, J.M., Burnham, R.D., Streifer, W., Paoli, T.L. High-energy ($\lambda \lesssim 7300$ Å) 300K operation of single-and multiple-stripe quantum-well heterostructure laser diodes in an external grating cavity 4−52981
Epler, J.E., Holonyak, N., Jr., Burnham, R.D., Paoli, T.L., Streifer, W. Far-field supermode patterns of a multiple-stripe quantum well heterostructure laser operated (∼7330 Å, 300K) in an external grating cavity 4−59493
Eppeldauer, G., Racz, M. Compact selfcalibrating set up for high sensitivity absolute light measurements 4−61172
Eppink, D.W., Aasen, M.D. Use of ambiguity functions in EMC analysis 4−59821
Epps, H. *see* McGraw, J.T. 4−39072
Epstein, A. *see* Caulfield, H.J. 4−59622
Epstein, C.M., Gammon, J.A., Gemmill, M., Till, J. Visual evoked potential pattern generation, recording, and data analysis with a single microcomputer 4−33843
Epstein, D.J. *see* Nguyen, T.T. 4−32824
Epstein, E. *see* Alexandrovitz, A. 4−40311, 4−40339
Epstein, M.M. *see* Deringer, G.C. 4−36102
Epsztein, B. *see* Teyssier, L. 4−36211
Er, M.H. *see* Cantoni, A. 4−59889
Er-keng Yu *see* Yu Er-keng
Eranin, A. *see* Serre, B. 4−36382
Erb, K.A. *see* Jones, C.M. 4−33558
Erb, O. *see* Bohm, M. 4−58760
Erbe, R. Btx offerings as marketing concept 4−54315
Erben, J.-W. *see* Klabes, R. 4−35494
Erben, J.-W. *see* Scharff, W. 4−29512, 4−41061
Erbert, G. *see* Glas, P. 4−47469
Ercegovac, M.D. A survey of floating-point arithmetic implementations 4−51071
Erche, M. *see* Bayer, W. 4−45084
Erckmann, V. *see* Janzen, G. 4−36200
Erckmann, V. *see* Thumm, M. 4−36212
Erckmann, V. *see* Zhang, Z.X. 4−36199
Erdelyi, C.K. Random logic design utilizing single-ended cascode voltage switch circuit in NMOS 4−58279
Erdelyi, C.K., Bechade, R.A., Concannon, M.P., Hoffman, W.K. A comparison of mixed gate array and custom IC design methods [for 32-bit microprocessor chip] 4−51298
Erdelyi, L. High power and high energy pulsed lasers−where do we stand in technology and what is the trend of the development 4−52934
Erdelyi, L., Fagan, W.F. High energy laser techniques in industrial measurements 4−53122
Erdem, U. From Roman steelyard to microprocessor 4−33506
Erdle, F.E., Feigenbaum, I.A., Talcott, J.W., Jr. Reliability programs for commercial communication satellites 4−50597
Erdos, E. *see* Coteus, P. 4−55824
Erdos, J., Zabielski, A., Gephart, J.P. Critical steam piping in operating power plants−typical failures and treatments 4−49762
Ereditato, A. *see* Anderson, L. 4−55989
Eregin, V.E. *see* Doinikov, N.I. 4−52518

Eremeev, S.V., Polyakov, N.A. Information method of estimating the influence of temperature and pressure on the accuracy of liquid counters 4—55752
Eremeeva, G.A., Gokhberg, Zh.L. Automatic monitoring of the contamination of thermal power station waters by petroleum products 4—40077
Eremenko, A.S. *see* Danilov, V.V. 4—59454
Eremia, M., Bulac, C. The reduction of the large power system sizes in the transient state studies 4—56391
Eremia, M. *see* Gheorghe, A. 4—56522
Eremin, A.V., Krylova, E.A., Nosov, V.V. Protection of optical systems of automatic welding equipment against spatter of molten metal and fumes 4—35257
Eremin, V.K. *see* Gogitidze, N.Z. 4—58724
Ergakov, V.S., Moiseyev, M.A., Shaposhnikov, A.A. Low-frequency fluctuations in oscillations in a gyrotron due to thermal noise 4—41761
Ergas, H. Monopoly and competition in the provision of telecommunication services 4—43597
Ergas, H. International aspects of telecommunications regulation 4—43598
Ergas, H., Okayama, J. *(editor)* Changing Market Structures in Telecommunications. Proceedings of an OECD Conference 4—40719
Ergenzinger, E. Presentation of the DEHOGA system: Bildschirmtext 4—54300
Erhardt, A. *see* Zinser, G. 4—32055
Erhardt, R. *see* Schwarzmann, P. 4—53870
Erhu Ni *see* Ni Erhu
Erichsen, R. *see* Ruchti, R. 4—33680
Erickson, A.C., Nuttall, L.J. Development status of a regenerative fuel cell system for orbital energy storage 4—40426
Erickson, C.J., Haideri, A.Q. Electrical service and controls for Joule heating of a nuclear waste experimental glass melter 4—57655
Erickson, D.A. *see* Hewlett, F.W., Jr. 4—41299
Erickson, G. Ultrasonic flow measurement applied to hydroelectric equipment 4—49805
Erickson, J.L., Herbermann, R., Luzzi, T., Sedgley, D. Final design of the MARS end plasma system 4—62336
Erickson, J.M., Gibbons, J.R., Saad, M.W., Sand, L.L. Money in the memory bank [supervisory programs] 4—60595
Erickson, J.M. *see* Chow, T.S. 4—32559
Erickson, N.R. High efficiency millimeter and submillimeter frequency multipliers 4—36027
Erickson, N.R. A cryogenic mixer receiver for submillimeter wavelengths 4—36070
Erickson, N.R. *see* Predmore, C.R. 4—44197
Erickson, P. *see* Wong, C.S. 4—44924
Erickson, P.E. *see* Green, D.R. 4—39736
Ericson, O. Electronic circuits in the nervous system: artificial limbs controlled from the brain 4—33872
Ericson, O. A beautiful mixture of music and electronics 4—38981
Ericson, O. Fasten your seatbelts—we are flying on the ground! 4—61868
Ericson, T. A min-max theorem for anti-jamming group codes 4—43949
Ericson, T. The non-cooperative binary adder channel 4—47719
Ericsson, M. *see* Stalberg, E. 4—33840
Ericsson, S. *see* Zetterberg, L.H. 4—47901
Erikson, C.A., Jr., LeSiege, D.R. Vertical inline SAW package (VISP) 4—52407
Eriksrud, M., Mickelson, A.R., Lauritzen, S. Backscattering signatures from optical fibers with differential mode attenuation 4—42363
Eriksrud, M. *see* Mickelson, A.R. 4—42362
Eriksson, G., Lundwall, B., Noren, L.-O. Voice and data workstations and services in the ISDN 4—43558
Eriksson, G., Svensson, T. Line circuit component SLAC for AXE 10 4—32556
Eriksson, K., Thomee, V. Galerkin methods for singular boundary value problems in one space dimension 4—46174
Eriksson, M., Ottosson, J., Wolpert, T. Microprocessor control system for output power optimization of a wind turbine 4—56904
Eriksson, S. *see* Chen, K. 4—46554
Erin, V.L., Lyakhovetskii, G.G. Method of inspecting DC shunts to 30 A 4—33408
Eris, E., Muzio, J.C. Syndrome- and autocorrelation-testable internally unate combinational networks 4—29766
Erixon, S., Wrethag, B. Computerized maintenance of industrial electronic equipment 4—57773
Erjavec, M. Attachment between public and private exchange from traffic and trunk lines point of view 4—43885
Erkaya, H. *see* Roedel, R.J. 4—51992
Erkel, A. *see* Csorgei, J. 4—33960
Erkkila, B.H., Waechter, D.A., Brake, R.J. A portable beta spectrometer/dosimeter 4—33900
Erkkila, B.H. *see* Waechter, D.A. 4—33902
Erkmen, I. *see* Wasley, R.G. 4—62030
Erko, A. *see* Kratschmer, E. 4—44590
Erlaky, G. *see* Pasztor, G. 4—48873
Erlandson, A.C., Cool, T.A. Metal hydride photodissociation lasers: laser operation for Al and In photofragments 4—59437
Erlebach, M.B. High speed cost effective vision system for robots 4—53946
Erlenhof, A. *see* Wittek, L. 4—34707
Erler, J.W., Snowden, D.P. High resolution studies of the electrical breakdown of soil 4—30821
Erler, J.W. *see* Snowden, D.P. 4—30822
Erlich, I., Fuchs, R., Oswald, B. Models for the efficient calculation of the instantaneous short-circuit currents and the transient stability of electrical power systems 4—56483
Erlich, I., Kunzmann, N. Modelling of asymmetric and unsymmetric faults in the electric energy system by means of cutting quantity incidence matrices 4—44983
Ermakov, A.I., Solov'yev, V.V. Algorithms for optimizing the separable frequency band for a group of similar radio-electronic systems to ensure their electromagnetic compatibility 4—32643
Ermakov, M.G., Polyakov, V.I., Perov, P.I., Elinson, M.I. Influence of surface states on the kinetics and amplitude of the photoresponse in *n*-CdS-*n*-CdSe heterostructures 4—46855
Ermakov, O.N., Sushkov, V.P., Titova, L.A. Crystallization and optical properties of solid solutions $In_{1-x}Ga_xP_{1-z}As_z$ obtained by liquid-phase epitaxy 4—58028
Erman, M. *see* Martens, J.W.D. 4—47176
Ermanis, F. *see* Chin, A.K. 4—31235
Ermankov, V.S., Antonevich, V.F., Babilyus, V.V., Ablozhyavichyus, I.P., Gorelik, D.G. The IISE2 power monitoring and control facility 4—62257
Ermisch, J. Considerations for the application of novel instrument transformers 4—56695
Ermisch, J. *see* Brendler, W. 4—45513
Ermolaev, V.T. Optimal weights in an adaptive antenna array based on known eigenvalues and diagonalization of the noise correlation matrix 4—42974
Ermolaev, V.T., Krasnov, B.A., Flaksman, A.G. Synthesis of the optimal weight distribution in adaptive antenna arrays 4—37771
Ermolenko, S.F. *see* Ozernoi, N.F. 4—34684
Ermolov, I.N., Volkov, A.S., Vyatskov, I.A., Grebennik, V.S., Shelobodkin, V.A., Sorokin, N.F. Ultrasonic inspection of austenitic welded joints in plant in atomic power stations 4—62020
Ermolov, V.F. *see* Tsanev, S.V. 4—49727
Ermolovich, E.S., Lepekhin, N.M., Semenova, E.E. Magnetic 'thyristor pulse modulator' 4—46388
Ermuizha, A.A., Podvysotskii, Yu.S. Channel service of a local area network 4—43485
Ernest, C.R., Fischetti, J.W., Wilson, W.H. Upgrading—a way to extend the life of turbine-generator units 4—49842
Ernest, R.B. The advantages of integral fasteners in electronic manufacturing 4—58629
Erneux, T., Mandel, P., Magnan, J.F. Quasiperiodicity in lasers with saturable absorbers 4—37265
Ernoult, M., Mattatia, R. Short term load forecasting for production planning and control: new developments at EDF 4—34122
Ernst, B. Radiolocation in city areas 4—38726
Ernst, D. *see* Bargel, B. 4—38056
Ernst, D.N. *see* Flegal, W.M. 4—52636
Ernst, G.J. Uniform-field electrodes with minimum width [laser applications] 4—31437
Ernst, R. *see* Delage, D. 4—57561
Ernst, W.E. *see* Tittel, F.K. 4—37321
Ernst, W.P. 25 years of millimeter plasma diagnostic systems 4—39297
Ernvall, J., Nevalainen, O. Estimating the length of minimal spanning trees in compression of files 4—40938
Erofeev, V.N. *see* Bronnikov, A.D. 4—59561
Erokhin, G.A. Maximum achievable ratio of the absorbed and scattered powers 4—42839
Eroshenko, G.P. Considerations in choosing an optimum load for an electric motor 4—40205
Errante, J. *see* Lorusso, J.A. 4—44640
Errazquin, F. *see* Gascon, D. 4—49257
Errede, S. *see* Jones, T.W. 4—55811
Errede, S.M. *see* Ushida, N. 4—56030
Ershao Chen *see* Chen Ershao
Ershevich, V.V. Development of electric power supply systems 4—56473
Ershevich, V.V., Krivushkin, L.F. First results on the operation of 750 kV transmission systems 4—45040
Ershov, A.V. *see* Bobrikov, Yu.V. 4—45784
Ershov, Yu.A. Analysis of transients in electromagnetic equipment by a method of finite elements 4—37531
Erskine, C. New VLSI co-processors increase system throughput 4—41399
Erskine, D.J., Taylor, A.J., Tang, C.L. Femtosecond studies of intraband relaxation in GaAs, AlGaAs, and GaAs/AlGaAs multiple quantum well structures 4—46843
Ersoy, O. A real formalism of discrete Fourier transform in terms of skew-circular correlations and its computation by fast correlation techniques 4—53328
Ersoy, O. Hybrid optical implementation of a real formalism of discrete Fourier transform in terms of circular correlations 4—60161
Ertelt, R., Van Goethem, J., De Wachter, G. The introduction of ISDN in the 1240 digital switch 4—54561
Ertem, M.C. *see* Valdez, M.E. 4—60534
Ertl, H. *see* Zach, F.C. 4—57428
Ertmer, Wellenreuther, Machelett, Rolland, Schmidt, Horner Centralized network management and load distribution. The design of a new network control station for the Pfalzwerke electricity supply company 4—56424
Erukhimov, L.M. *see* Gailit, T.A. 4—39709
Erukhimov, L.M. *see* Genkin, L.G. 4—60947
Erukhimov, M.Sh., Ovchinnikov, S.G. Atomic operators in the theory of narrow-band magnetic semiconductors 4—41803
Erwin, H.O., Rabson, T.A., Daetwyler, M.B. Applications of fiber optics technology to the space station 4—37146
Erwin, J.W. *see* Powell, S.J. 4—33514
Erzhen Sheng *see* Sheng Erzhen
Es, M.G.van *see* van Es, M.G.
Es-Slassi, A.R., Nguiyen, P.H., Bottin, J., Easwarakhantan, T., Ravelet, S. Influence of metal-covered area on performance of solar cells 4—62702
Esaki, L. Advances in semiconductor superlattices, quantum wells and heterostructures 4—41870
Esaki, L. *see* Chang, C.A. 4—51856
Esaki, L. *see* Chin-An Chang 4—51821
Esaki, L. *see* Mendez, E.E. 4—58775
Esaki, L. *see* Washburn, S. 4—30412
Esashi, M., Komatsu, H., Matsuo, T. Biomedical pressure sensor using buried piezoresistors 4—49113
Esayan, S.Zh., Abramyan, G.K. Research on intermetallic bonds in the Au-Al system 4—58584
Escaut, B. *see* Marty, P. 4—40332
Esch, A., Jr. Telesoftware: the number one service! 4—54217
Eschbach, R.J.B. Evaporation system with RF clean 4—52016
Escher, D.J.W. Pacemakers of the 1980s 4—33881
Escher, J.S. *see* Moyer, C.D. 4—52822
Eschstruth, P. *see* Dudelzak, B. 4—55821
Eschwei, M. *see* Onishi, S. 4—52429
Escosura, L., Garcia-Camarero, E., Arjona, F., Rueda, F. Effect of heat treatments in vacuum on CdS thin films prepared by the spray deposition technique 4—36277
Escrig, D.F. A characterization of Plotkin's order in powerdomains, and some of its properties 4—50671
Escudero, J.C. *see* Torrado, E. 4—49280
Escudero, L.F. On diagonally preconditioning the truncated Newton method for super-scale linearly constrained nonlinear programming 4—57941
Escudie, B., Grea, J. Joint representation (JR) in signal theory (ST) and Hilbertian analysis: A powerful tool for signal analysis 4—53766
Esdaile, R.J. *see* Griffiths, G.J. 4—31129
Esener, S., Huang, S.-Y., Lee, S.H. A new field and light controlled injection punch-through phototransistor 4—59352
Esener, S. *see* Huang, S.-Y. 4—59353
Esepkina, N.A., Bakhvalov, N.S., Vasil'ev, B.A., Vasil'eva, L.G., Temirova, A.V. Determining the polarization characteristics of the RATAN-600 radiotelescope with allowance for aberrations in observations at the horizon 4—32887
Esepkina, N.A., Pruss-Zhukovskii, S.V., Aksenov, E.T., Dravskikh, Z.V., Shishkin, A.I., Shcherbakov, A.S. Possible use of acoustooptical spectrographs in radio astronomy 4—32879
Esepkina, N.A. *see* Golosova, S.Ya. 4—32886
Eser, P.A., Mitchell, A.B. Interconnection of a wind farm to a utility grid 4—56901
Esfahanian, A.H., Hakimi, S.L. On computing the connectivities of graphs and digraphs 4—40957
Eshbach, J.R. *see* Yu, S.P. 4—58537
Eshcherkin, V.M. *see* Karasev, V.B. 4—40026
Eshel'kin, V.M., Zaitsev, S.G., Lysov, Yu.A. Assessing the reliability of power transformers 4—57117
Eshera, M.A., Fu, K.-S. A graph distance measure for image analysis 4—60181
Esho, S. *see* Gokan, H. 4—36690, 4—46955
Esho, S. *see* Itoh, M. 4—52532
Esin, V.I. *see* Dikarev, Yu.I. 4—30525
Eskenazi, M. *see* Carre, R. 4—53574
Eskesen, J.H., Stahly, C.L. Improving productivity in turbine design 4—62405
Eskin, G.I. *see* Prshisovskii, E.N. 4—40303
Es'kov, Y.B. *see* Troitskii, V.A. 4—62016
Esmelioglu, S. *see* Wierzba, G.M. 4—35668
Esmeraldo, P.C.V. *see* Fonseca, J.R. 4—45160
Espadas, R. *see* Adanero, J.L. 4—38206
Espenlaub, D.E. *see* Benko, B.W. 4—32586
Esper, M.J. Automotive sensor survey. I. Sensor packaging—present and future trends 4—57500
Espesser, R. *see* Nishinuma, Y. 4—43237
Espig, H. Battery-powered rail tractor type EL 16 for remote control 4—45709
Espin Carreras, S. Protection against AC short circuits 4—50964
Espino, B.C. *see* Awano, T. 4—57477

Espino, J. *see* Romano, R. 4—39824
Espinosa, G., Tommasino, L., Griffith, R., Gamboa, I., Jacobson, I., Golzarri, J.I. Uranium alpha spectroscopy and angular dependence for SSNTD 4—55935
Espinosa, G. *see* Castillo, F. 4—55938
Espinosa, G. *see* Diaz, T. 4—55883
Espinosa, G. *see* Gamboa, I. 4—55936, 4—56218
Espinosa, G. *see* Griffith, R.V. 4—55901
Espinosa, G. *see* Guel, S. 4—55902
Espinosa, G. *see* Jacobson, I. 4—56219
Espinosa, G. *see* Somogyi, G. 4—55890
Espinosa, G. *see* Tommasino, L. 4—55926
Espinosa-Flores, G. *see* Sanchez-Sinencio, E. 4—30001
Esposito, C. *see* Dell'Erba, M. 4—53045
Esposto, F. *see* Bianco, S. 4—32014, 4—32836
Esrig, P. *see* Liff, H. 4—36683
Esselman, W.H. *see* Loewenstein, W.B. 4—45877
Esser, P.D., Johnston, R.E. *(editor)* Technology of Nuclear Magnetic Resonance. 14th Annual Symposium on the Sharing of Computer Programs and Technology 4—50334
Esser, R. Electronic smoke and fire detectors 4—35246
Esslinger, K. *see* Bertl, W. 4—33757
Estalella, R. *see* Sanroma, M. 4—38755
Este, G. *see* Noel, J.-P. 4—46971
Estes, E.G. *see* Gully, J.H. 4—45525
Estes, G.P. *see* Hsu, H.H. 4—39446
Estes, R.D., Drobot, A.T. Numerical simulations of a ripple-field magnetron (cross-field free electron laser) 4—30263
Estes, R.H. Epoxy vs. solder in SMD processing 4—41701
Estes, W.E. *see* Ruskin, A.M. 4—57748
Esteve, J. *see* Morenza, J.L. 4—29496
Esteves, N.L. *see* Serra, J.C. 4—59909
Estrada, H., Jr. *see* Walsh, P.S. 4—62310
Estrada-Vazquez, H. The acoustoelectric interaction for high resistivity semiconductor samples 4—51743
Estridge, P.D., Bradley, D.J., Kummer, D.A. The IBM PCjr [personal computer] 4—35859
Estry, R.H. *see* Baasch, H.J. 4—42882
Eswaran, M.A. *see* Ragoownsi, N.L. 4—33733
Etayo, A., Calderon, J., Forteza, J.F., Rodriguez, A., Delgado, F.M. Ventricular compliance and segmental contractility in ischemic heart disease 4—49274
Etherington, K. Intelligent programmer identifies EPROMs by type number 4—41337
Ethington, D. Military radar system evolution extends service life and fulfills new missions 4—38677
Ethington, J.H. *see* Gilje, R.I. 4—39699
Etievant, C. Solar central receiver power plants 4—56889
Etkin, V.S. *see* Il'in, V.A. 4—37070
Etkin, Y., Tabak, D. Distributed computer-based communication systems 4—38323
Eto, J.H. Optimal cogeneration systems for high-rise office buildings 4—40078
Eto, T. *see* Nishigaichi, T. 4—32249
Etoh, J. *see* Itoh, K. 4—51249
Ettenberg, M. Minitutorial: sources and detectors 4—54803
Etter, W.T., Warmuth, D.B. The operations support network: an approach to integrating control and communications for system control of defense communications system 4—32221
Etter, W.T. *see* Warmuth, D.B. 4—32218
Ettinger, B.Ya. *see* Broitman, M.B. 4—32466
Ettonkhy, A.A. *see* Bakker, G.W. 4—52065
Ettouney, H.M. *see* Kalejs, J.P. 4—29460
Etzion, T., Lempel, A. Algorithms for the generation of full-length shift-register sequences 4—47745
Etzkorn, H., Heinlein, W.E. Low-dispersion single-mode silica fibre with undoped core and three F-doped claddings 4—42342
Etzkorn, H. *see* Francois, P.L. 4—59210
Etzler, C.-Ch. Dynamic analysis of a BAPTA-solar generator system 4—49436
Eu, V.K. *see* Feng, M. 4—30640, 4—58931
Eugster, H. *see* Gugolz, K. 4—33294
Eui-Hoon Kim, Chai-Ok Kim, Ok-Kyung Kim Study of water-activated batteries 4—50028
Euler, D. Videotex and switching systems 4—48106
Euler, K.J. Lithium batteries—a bundle of energy 4—40371
Eustis, R.H. *see* Simons, T.D. 4—57372
Euthymiou, P.C. *see* Kourkoutas, C.D. 4—30336
Eutin, W. *see* Bachus, E.-J. 4—54808
Evangelides, S.G. *see* Danly, B.G. 4—59422
Evangelisti, A. *see* Boschi, M.C. 4—33832
Evangelisti, C.J. *see* Bantz, D.F. 4—32301
Evangelisti, F., Fiorini, P., Giovannella, C., Patella, F., Perfetti, P., Quaresima, C., Capozi, M. Photoemission studies of a-Si_xC_{1-x}:H/a-Si and a-Si_xC_{1-x}:H/hydrogenated amorphous silicon heterojunctions 4—30399
Evanicky, D. *see* Lu, S. 4—47233
Evanowsky, J. *see* Bozek, R. 4—32647
Evans, A.C. The UK VANS scene [value-added network services] 4—48084
Evans, A.C. *see* Cooke, B.E. 4—33817
Evans, A.L., Gregory, N.L. Multiplexed data-acquisition module for use in the accelerated life testing of cardiac pacemakers 4—61824
Evans, A.L., Smith, D.C., Watts, M.P. Microprocessor-controlled signal generator for the functional testing of electrocardiographs 4—61801
Evans, B. Surface texture measurement—rough with the smooth 4—61597
Evans, B.G. Intermodulation in single-channel per carrier satellite communication systems 4—43084
Evans, B.G. Satellite onboard processing 4—48422
Evans, B.G., El Amin, M.H.M. Small dish business systems experiments 4—38574
Evans, B.G. *see* Holt, A.R. 4—47600
Evans, B.G. *see* Rwabona-Katashaya, S. 4—59892
Evans, C.D. *see* Hamilton, D.R. 4—49169
Evans, D., Stromberg, B. The use of multisensor images for Earth science applications 4—39695
Evans, D.E. Overview of the Navy Diving Biomedical Research and Development Program 4—61833
Evans, D.H. Quality control and robotic assembly 4—50569
Evans, D.J. On preconditioned iterative methods for solving $(A-\lambda B)x=0$ 4—35421
Evans, D.J. A strategy utilising partial Sturm sequences for determining the eigenvalues of a symmetric matrix 4—57985
Evans, D.J., Abdullah, A.R. The group explicit method for the solution of Burger's equation 4—35445
Evans, D.J., Missirlis, N.M. Block preconditioned iterative methods 4—41000
Evans, D.J. *see* Shao-Wen Mai 4—50661
Evans, D.J. *see* Yousif, N.Y. 4—50659
Evans, D.V. *see* Count, B.M. 4—34488
Evans, G. Micro to mainframe link—what does it mean? 4—54337
Evans, G.A., Forbes, R.C., Hyslop, J. The tanh transformation for singular integrals 4—50727
Evans, G.E. Gain measurement for active arrays 4—44583
Evans, H.B., Pan, Z., Parker, P.A., Scott, R.N. Signal processing for proportional myoelectric control 4—33876
Evans, J. *see* Higgins, M. 4—39653
Evans, J.E. Quality, reliability and stress testing [integrated circuit testing] 4—46735
Evans, J.P., Tillett, S.B. Toroidal resistor for high temperature platinum resistance thermometers 4—33281
Evans, J.P. *see* Bass, N. 4—33279
Evans, J.R. Sensitivity analysis in decision theory 4—50677
Evans, L.C. *see* Barron, E.N. 4—57910
Evans, L.G., Trombka, J.I., Jensen, D.H., Stephenson, W.A., Hoover, R.A., Mikesell, J.L., Tanner, A.B., Senftle, F.E. Inter-pulse high-resolution gamma-ray spectra using a 14 MeV pulsed neutron generator 4—33961
Evans, N.L. *see* Chahine, M.T. 4—33975
Evans, R.C. *see* DeGraffenreid, K.J. 4—37524
Evans, R.J. *see* Cantoni, A. 4—60521
Evans, S. *see* Jory, H. 4—36188
Evans, T. Call logging: watching the telephone bills 4—48347
Evans, W. Cost effective broadband network technology selection 4—61068
Evchuk, V.N., Krasyuk, V.V., Khalabuda, A.I. Transport network of a computer network 4—32468
Evchuk, V.N., Kravchenko, V.V., Krasyuk, V.V. Network access to remote data bases and dialog applied program packages in a computer network 4—32476
Evci, C.C., Bellanger, M.G. Characteristics of adaptive filters with leakage 4—53679
Evci, C.C., Patrick, P.J. Performance analysis of DPCM codecs operating on adaptively frequency mapped 7.6 kHz into 3.3 kHz speech 4—53556
Evdokimov, A.D. *see* Zharkikh, Yu.S. 4—36472
Evdokimov, A.N. *see* Atamasov, V.D. 4—62714
Evdokimov, A.P. Conversion of inhomogeneous surface waves by inclined screens 4—37560
Evdokimov, V.A. *see* Ivashin, V.V. 4—62549
Evdokimov, V.V., Krivosheev, B.V., Terg, V.I. Automation of foil resistance production [thick-film resistors] 4—57816
Evdokimova, S.T. *see* Yanovskii, L.P. 4—40076
Evdokunin, G.A. *see* Gavrikov, V.I. 4—62660
Eve, M. *see* Le Gall, M. 4—38601
Evel'son, R.L. A method in the asymptotic theory of diffraction 4—31628
Even, S., Goldreich, O. On the security of multi-party ping-pong protocols 4—32103
Even, S., Goldreich, O. On the power of cascade ciphers 4—53424
Even, S., Goldreich, O. Electronic wallet 4—53446
Even, S., Goldreich, O., Yacobi, Y. Electronic wallet 4—43204
Evenson, K.M. *see* Vasconcellos, E.C.C. 4—59432
Everest, F.A. Glass in the studio. II 4—55084
Everett, C. Storage oscilloscopes 4—39214
Everett, C. Modular approach to instrument design anticipates measurement requirements 4—44389
Everett, R. Differential temperature integrator 4—33346
Everett, S.S. *see* Kang, G.S. 4—53489
Everett, W.W., III Lumped model approximations of transmission lines: Effect of load impedances on accuracy 4—37693
Everett, W.W., III, Everett, W.W., Jr. Microprocessor susceptibility to RF signals—experimental results 4—58382
Everett, W.W., Jr. *see* Everett, W.W., III 4—58382
Everhart, F.J., Sateesh, K. 'The factory with a future'—a closer look [PCB's manufacture] 4—51646
Eversole, W.L., Nasburg, R.E. Maximum likelihood estimation for image registration 4—53832
Everson, J.H. *see* Das, P. 4—51788
Evesque, P. *see* Benalloul, P. 4—52775
Evremeev, V.V., Sereda, N.V. Organisation of coordinate processing of video information in homogeneous real-time systems 4—32033
Evseev, V.A. *see* Konopleva, R.F. 4—30307
Evseev, V.S. *see* Naidenko, L.G. 4—55750
Evsin, N.F. *see* Arkhipov, A.N. 4—49854, 4—62509
Evsin, N.F. *see* Ptakh, G.K. 4—49876
Evstigneev, A.M. *see* Konakova, R.V. 4—36540
Evstigneev, V.G. *see* Krasnobaev, V.A. 4—43127, 4—43129
Evstyukhin, A.I., Elmanov, G.N., Statsenko, V.I., Shakirov, R.R. Metastable modifications of the compound Nb_2Ge_3 4—31058
Evtikhiev, N.N., Sandler, E.A. Constructive models of random sequences with specified statistical properties and their application 4—43025
Evtikhiev, V.P. *see* Garbuzov, D.Z. 4—47470
Evtukh, A.A., Litovchenko, V.G. MOS structures with multilayer and variable-band dielectrics 4—58803
Evtukh, A.A., Zuev, V.A., Lithovchenko, V.G., Popov, V.G. Controlling charge in MNOS-structure dielectric 4—36343
Evtukh, P.S. On pulse excitation of a magnetostrictive converter 4—52470
Evtukh, P.S. On the determination accuracy of coordinates for a submarine object by hydroacoustic means 4—60921
Evtushenko, V.A., Filippov, B.A., Kychkina, N.N. Open 750 kW distribution installations with suspended and bracket disconnectors 4—39869
Ewart, P. *see* Charlton, A. 4—47443
Ewbank, D.E., Ashkenaz, S.M. Automated chrome blank inspection: an investigation of raw plate defects and finished photomask quality 4—36389
Ewe, H., Justi, E.W., Selbach, H.-J. Improvement of the catalytic properties of titanium-containing Raney-nickel for hydrogen anodes in alkaline fuel cells by optimized air-oxidation and annealing in H_2 atmosphere 4—34866
Ewe, H., Justi, E.W., Selbach, H.-J. On the long-term performance of depyrophorized and annealed titanium-containing Raney-nickel catalysts for hydrogen anodes in alkaline fuel cells 4—34867
Eweda, E. *see* Macchi, O. 4—43010
Ewell, G.W., Tuley, M.T., Horne, W.F. Temporal and spatial behaviour of high resolution sea clutter 'spikes' 4—54883
Ewell, L.A. *see* Wood, T.H. 4—52618
Ewell, R. Energy conversion for megawatt space power systems 4—39654
Ewen, J.A. Design of L-networks for matching antennas to transmitters 4—53324
Ewen, J.F. *see* Brady, M.J. 4—52978
Ewen, K., Rosner, W. Practical experience in the determination of the tube voltage using the Ardran-Crooks cassette 4—39525
Ewen-Smith, B. Mobile data computer communications on the move 4—44011
Ewing, M.S. *see* Burns, W.R. 4—53586
Ewing, W.S. *see* Dereniak, E.L. 4—33150
Ewins, A.J. Micro-controlled cassette recorder. II 4—55123
Ewins, A.J. Microcomputer-controlled cassette recorder 4—61154
Ewins, D.J. *see* Dobson, B. 4—55772
Ewy, K.A., Smolleck, H.A. A graphical explanation of the resistance and surface-potential calculations for grounding systems in two-layer earth 4—34221
Exalto, J., Kern, H. Modifying Teradyne 283 programs to test high-speed CMOS logic ICs 4—35743
Excell, P.S., Kowalczyk, D.T. A pulsed-Doppler ultrasonic motion detector for limited area surveillance in an unconfined region 4—34010
Exner, H., Lammel, B., Zscherpe, G. Drilling of Si-semiconductor wafers by means of lasers 4—51940
Eydeland, A. A method of solving nonlinear variational problems by nonlinear transformation of the objective functional. I 4—35439
Eyre, B. Field trials for Mainsborne Telecontrol system 4—62033
Eyre, S.R. Techniques for the registration of moving images 4—43476
Eyuboglu, V.M. *see* Modestino, J.W. 4—31996
Ezekiel, S. Optical 'gyroscopes' 4—39169
Ezekiel, S. *see* Meyer, R.E. 4—52624
Ezeskii, V.V. *see* Atayants, B.A. 4—53282

Ezrin, M. *see* Damon, D.H. 4—36944
Ezzaouia, H., Heindl, R., Loriers, J. Synthesis of ruthenium and osmium dichalcogenide single crystals 4—50737
Ezzio, L.A. *see* Pearson, A.E. 4—48516

Fabbri, F. Field tests on high capacity digital radio systems 4—32676
Fabbri, R. *see* Blauschild, R. 4—60574
Fabelinskii, I.L. *see* Zhukov, N.N. 4—42548
Faber, L., Chapman, D.H. Antenna factors determined in an absorber-lined shielded enclosure 4—59778
Faber, W. *see* Albrecht, G. 4—52382
Fabian, E.J. *see* Rosario-Braid, F. 4—32160
Fabian, M. Economic foundations for high voltage aerial cable pylons 4—49615
Fabian, W. *see* Heaton, J.L. 4—58536
Fabig, G. *see* Borkowski, N. 4—34169
Fabio, R.A. *see* Barsotti, R.H. 4—51378
Fabre, A., Rochegude, P. Ultra-low-distortion current-conversion technique 4—58442
Fabregat, F., Serra, T., Perez, D. Computer reading of printed texts: character segmentation. II 4—47910
Fabregue, A. The spectrum analyser in radiotelephony 4—39122
Fabres, J. Service quality in low-voltage systems. Voltage level 4—45097
Fabricius, K.A., Kemlage, B.M., Nastasi, V.R., Schepis, D.J. Process simplification of bipolar structure with specific fabrication advantages 4—36807
Fabrizi, M., Forlanini, G. Automation system for the supervision of the electrical network of Azienda Comunale Elettricita e Acqua 4—49494
Facinelli, W.A. Modeling and simulation of lead-acid batteries for photovoltaic systems 4—40413
Facklam, R. Ultra-stable laser clock, second generation 4—39329
Facq, P., de Fornel, F., Jean, F. Tunable single-mode excitation in multimode fibres 4—52553
Fadeev, V.I. *see* Romanova, T.M. 4—56818
Fadeev, V.S. *see* Arzhanov, V.V. 4—40536
Faden, M. The optimum path to RDBMS 4—32310
Fadrhous, J. Some possibilities of direct use of microcomputers in patient treatment 4—49286
Faehl, R.J. *see* Peter, W. 4—33610
Faenov, A.Ya. *see* Boiko, V.A. 4—52918
Fagan, W. *see* Reid, W.S. 4—33532
Fagan, W.F. *see* Erdelyi, L. 4—53122
Fages, C. *see* Mautref, M. 4—34888
Fahey, J.D., Seager, C.T., Capes, E.D. Bell Canada studies its digital experience—and is pleased 4—60608
Fahl, H.-J., Metzner, F. Energy storage in a hydrostatic traction drive with standard component assemblies 4—57462
Fahlander, O.G. A 3-dimensional real-time animation system 4—48795
Fahmy, A.H. Computer-aided optimal lighting systems design 4—45748
Fahmy, M.M. *see* Lampropoulos, G.A. 4—53739
Fahmy, M.M. *see* Mutluay, H.E. 4—47831
Fahnrich, J. *see* Cizek, P. 4—61540
Fahrenbruch, A.L. *see* Bube, R.H. 4—41835
Fai, W.S. *see* Henderson, T.C. 4—53890
Faibisovich, D.L., Shurkhal, V.V. External electrical power supply to the Urengoi-Uzhgorod natural gas pipeline 4—57677
Faibisovich, D.L. *see* Zeiliger, A.N. 4—62209
Faibisovich, V.A. *see* Kalentionok, E.V. 4—56447
Faibisovich, V.A. *see* Lesin, N.M. 4—34238
Failli, R. A new generation Italian public land mobile radio communication system 4—32698
Faillon, G., Bergemann, H. Power klystrons in the radar equipment for civilian air traffic 4—54869
Failor, B.H. *see* Jones, R.M. 4—61747
Fainberg, V.I. *see* Konakova, R.V. 4—36540
Fainberg, V.S. *see* Belyaev, G.P. 4—45280
Fainitskii, V.V. *see* Zhelezko, Yu.S. 4—44998, 4—56596
Faintich, M.B. Sensor image simulator application studies 4—33930
Fair, P.G., Gill, P.S., Leckenby, J.N. Testing dimensional stability of incoming laminate 4—41119
Fair, R.B., Wortman, J.J., Liu, J. Modeling rapid thermal annealing processes for shallow junction formation in silicon 4—36440
Fairbanks, C. *see* Kirschenbaum, J. 4—46727
Fairchild, K. *see* Busch, S.T. 4—29179
Fairfield, M.J. *see* Clark, A.P. 4—38375
Fait, D.C. A cheap way to spool around [printer buffers] 4—29842
Faith, T.J., Irven, R.S., Reed, L.H., O'Neill, J.J., Jr., Jones, M.C., Levin, B.B. Contact resistance monitor for silicon integrated circuits 4—36692
Faith, T.J., Wu, C.P. Elimination of hillocks on Al-Si metallization by fast-heat-pulse alloying 4—58877
Faith, T.J., Jr., Irven, R.S. Bond-integrity testing of sapphire chips mounted with eutectic preforms 4—59031
Faith, W.N. *see* Marrs, C.D. 4—37515
Faith, W.N. *see* Porteus, J.O. 4—37434
Faizulaev, B.N. An estimate of the average connection length and the number of route channels for LSI computer arrays 4—29807
Fajans, J., Bekefi, G., Yin, Y.Z., Lax, B. Spectral measurements from a tunable, Raman, free-electron laser 4—52858
Fakruddin, D.B., Parthasarathy, K., Parathasarathy, K., Jenkins, L., Hogg, B.W. Application of Haar functions for transmission line and transformer differential protection 4—62232
Faktor, M.M. *see* Lyons, M.H. 4—35486
Fal', A.M. *see* Danileiko, M.V. 4—52922
Falce, L.R. Dispenser cathodes: The current state of the technology 4—36181
Falciai, R. *see* Brenci, M. 4—49296
Falciai, R. *see* Scheggi, A.M. 4—56097
Falco, C. French activities in guided wave optics 4—38139
Falcon, R.P., Kutzner, C., Uy, M.R. Design and construction of the Agus IV power cavern. II. Design and construction 4—62447
Falconer, D.D. Timing jitter considerations for digital subscriber loop echo cancellers 4—32520
Falconer, D.D. *see* Robertson, D.J. 4—31997
Falconer, D.G. Impact of flight kinematics and RCS statistics on threat radar performance 4—54861
Falconer, R.M. A study of techniques for enhancing the reliability of ring local area networks (LANs) 4—54433
Faldella, E. *see* Neri, G. 4—43759
Fales, C.L., Huck, F.O., Samms, R.W. Imaging system design for improved information capacity 4—33149
Fales, C.L. *see* Huck, F.O. 4—60168
Faletti, P. Towards multidisciplined engineering 4—29314
Faleur, P. Synthesis and simulation of anti-aliasing and smoothing filters: two programs for micro-computers 4—41158
Falk, G., Groff, J.S., Milliken, W.C., Nodine, M., Blumenthal, S., Edmond, W. Integration of voice and data in the wideband packet satellite network 4—32183
Falk, H. Advice for Homo Btxus. Applications in the CEPT standard 4—54271
Falk, H. *see* Weidauer, R. 4—52889
Falk, J. Real-time pricing project 4—62032
Falk, N. Warehouse lighting—Max/Min concept 4—57541
Falke, N. *see* Sittnik, G. 4—34727
Fal'kevich, S.A., Naumov, M.V. Phased linear array with excitation system 4—42217
Falkowski, J.L. Using welding arc light for following up the edges of parts being joined 4—50256
Faller, R. *see* Pottig, W. 4—57448
Fallin, J. The iRAM—a dynamical store for smaller systems 4—29847
Fallon, D.J. *see* McNutt, W.J. 4—57122
Fallon, J. *see* Caulfield, H.J. 4—59622
Fallon, M. Westar VI failure a gift from heaven 4—54650
Fallon, W.A., Angelone, A.F. New look in aerial drop wire 4—43917
Fallone, B.G., Podgorsak, E.B. Image subtraction by solid state electroradiography 4—49177
Fallou, B. *see* Garcia, G. 4—61480
Fallside, F. *see* Meli, R.M. 4—54210
Falthammar, C.-G. *see* Pedersen, A. 4—44904
Faltynowicz, J. W102: the ETN-4 equipment checking meter 4—44417
Faludi, A., Kiss, I.L. A method for the in situ thermal measurement of insulating structures 4—33524
Fam, A.T. A multi-signal bus architecture for FIR filters with single bit coefficients 4—51467
Fam, A.T. *see* Jing, Z. 4—30030, 4—43338
Fam, B.W. Improving the security of exponential key exchange 4—53444
Fam, B.W., Millen, J.K. The channel assignment problem 4—38324
Famulla, M. *see* Teichmann, J. 4—42117
Fan, J.C.C. The future of high efficiency solar cells 4—50074
Fan, J.C.C., Palm, B.J. Optimal design of amorphous/crystalline tandem cells 4—40450
Fan, J.C.C., Tsaur, B.-Y., Chen, C.K., Dick, J.R., Kazmerski, L.L. Oxygen in zone-melting-recrystallized silicon-on-insulator films: its distribution and possible role in sub-boundary formation 4—41814
Fan, J.C.C. *see* Chen, C.K. 4—50802
Fan, J.C.C. *see* Choi, H.K. 4—47131
Fan, J.C.C. *see* Sheldon, P. 4—50750
Fan, J.C.C. *see* Tsaur, B.-Y. 4—52298
Fan, Y.X., Byer, R.L. Progress in optical parametric oscillators 4—59588
Fan Dianyuan, Yang Yi, Jiang Zhilong Optimization design of Faraday rotators 4—31194
Fan Fuchang *see* Li Shenhua 4—52935
Fan Hongchang, Yu Zheng Properties of Sn-Ag proximity effect bridges 4—47231
Fan Jie-chang A modified Kalman filter for tracking maneuvering targets 4—44160
Fan Jun-qing An analysis of asymptotic expansion for modes in diffused optical waveguides with a Gaussian profile 4—42329
Fan Junyin *see* Wu Cunkai 4—37466
Fan Rongmei *see* Shen Wei 4—59364
Fan Weimin, Yan Yufen On fiducial bounds for the reliability of exponential series system tested with fixed total time 4—50583
Fan Wo *see* Niu Fang 4—39398
Fan Xi-Sheng, Knight, D.J.E., Pharaoh, K.I. Frequency measurement of the 1.60 THz (187 μm) optically-pumped laser emission of methyl fluoride 4—52897
Fan Xiaoquan *see* Wang Yutang 4—53896
Fancher, R.B., Guardino, T.E. Probabilistic production costing with load-shifting resources using discrete approximations 4—62072
Fandeev, E.I. *see* Lushchaev, G.A. 4—33311
Fane, R.W. *see* Abo-Namous, S.A. 4—31213
Fanelli, A.M., Marangelli, B. Data compression for progressive transmission of screened pictures 4—60431
Fang, C.G. *see* Ho, B. 4—56110
Fang, D.J. A practical model for rain depolarization evaluations at centimeter and millimeter wavelengths 4—31659
Fang, D.J., Liu, C.H. Statistical characterizations of equatorial scintillation in the Asian region 4—47607
Fang, D.J. *see* Franke, S.J. 4—47612
Fang, F.F. *see* DiMaria, D.J. 4—47038
Fang, F.F. *see* Hickmott, T.W. 4—41873
Fang, L. *see* Su, Y.-g. 4—55800
Fang, P.H., Huan, Z., Kinnier, J.H., Schubert, C.C. A low technology, low cost silicon solar cell production system 4—34891
Fang, R., Chang, P., Hemmati, F. Coded 8-PSK transmission over 72 MHz nonlinear transponders at 140-Mbits/s information rate for trunking applications 4—32778
Fang, R., Lee, W Four-dimensionally coded PSK systems for combatting effects of severe ISI and CCI 4—31851
Fang, R., Mackenthun, K. A low-cost thin route digital communications system for the Pacific Island nations 4—32772
Fang, R. *see* Hagmann, W. 4—32786
Fang, S.C. Routing in a network with multi-class links 4—54540
Fang, S.C. *see* Bayruns, R.J. 4—58275
Fang, Y.K., Chang, C.Y., Chen, C.H., Liu, B.D., Wang, S.J. Simulation of VMOS power transistors 4—30634
Fang Dun-fu, Wang Xiang-xi, Xu Yong-quan, Tan Li-tong Growth and properties of InP single crystals 4—36271
Fang Hong-lie, Fu Shu-fen, Moore, G.T. Stationary pulse solutions for a free electron laser 4—52828
Fang Honglie *see* Deng Ximing 4—48859
Fang Junxin *see* Cao Zhuangqi 4—52551
Fang Lu *see* Lu Fang
Fang Niu *see* Niu Fang
Fang Pong *see* Pong Fang
Fang Shujin *see* Li Shenghua 4—37341
Fang Zhaoqiang *see* Zhou Bojun 4—46214
Fang Zhicheng *see* Cheng Yunqi 4—41117
Fang-Churng Tseng *see* Chin-Tang Chen 4—46879
Fang-qing Zhang *see* Zhang Fang-qing
Fanger, H.-U. *see* Bahal, B.M. 4—33601
Fangjun Chen *see* Chen Fangjun
Fangong Kong *see* Kong Fangong
Fangxing Ge *see* Ge Fangxing
Fangyuan Yang *see* Yang Fangyuan
Faninger, G. Solar thermal conversion, low and high temperature heat production: solar thermal power plants 4—45368
Fank, B., Crowley, J., Wandinger, L., Rubin, D. Indium phosphide millimeter-wave devices 4—36065
Fank, F.B. *see* Crowley, J.D. 4—41606
Fank, F.B. *see* Stubstad, J.A. 4—58535
Fann, S.S., Parn, A. ALTA—an automatic line test and administration system 4—60566
Fanning, J.J., Kim, K. Mather-type dense plasma focus as a new optical pump for short-wavelength high-power lasers 4—31435
Fantacci, R. *see* Benelli, G. 4—32704
Fanter, E.J. *see* Clemens, H. 4—36295
Fanthome, E.O. *see* Cooke, B.E. 4—33817
Fantini, F. Reliability problems with VLSI 4—36721
Fantini, F., Mattana, G., Zanoni, E. Semiconductor devices reliability 4—29298
Fantini, F., Mattana, G., Zanoni, E. The reliability of semiconductor devices. II. The physics of breakdown mechanisms in microelectronics 4—58883
Fantini, F., Morandi, C., Senin, A. Problems connected with testing digital integrated circuits 4—51072
Fantini, F. *see* Canali, C. 4—29799
Fantini, M. Optimization of etching parameters when processing cellulose nitrate detectors for routine operations 4—55861

Fantini, M. Some advances in the response of cellulose nitrate to very low neutron and alpha doses 4—55928
Fantner, E.J. *see* Ambrosch, K.E. 4—51853
Faradzhev, F.E. Heterojunctions made of $PbSe_{1-x}Te_x$ solid solutions 4—46230
Faradzhev, F.E. *see* Galandarov, G.A. 4—47354
Farago, Z. The sound broadcasting system of the new Budapest Sports Hall 4—54935
Farah, H.B. *see* Zhenenko, G.N. 4—39792, 4—39793
Faraone, L. An improved fabrication process for multi-level polysilicon structures 4—30811
Faraone, L., Hsueh, F.L., Simmons, J.G. Electron and hole conduction in the metal/tunnel-oxide/n-silicon structure 4—30656
Faraone, L., Ipri, A.C. Effects of plasma processing on EEPROM tunnel oxides 4—30809
Faraone, L. *see* Hsueh, F.L. 4—47057
Farber, G. Behavioural deficiencies in the operation of electrical apparatus and equipment—examples of special cases—errors in the operation of measuring instruments 4—50460
Farber, H.-R. Projection lens for a high-resolution optic counter—an ancillary optics development 4—31206
Farber, L., Hofmann, H.R. Correlation of theoretical and measured site attenuation in an absorber-lined chamber 4—39264
Farber, L., Lamade, F., Morke, U., Pauls, H. 123/12 kV power supply of an industrial plant 4—62157
Farbshtein, I.I. *see* Berezovets, V.A. 4—46805, 4—51755
Fardanesh, B., Richards, E.F. Distribution system protection with decentralized generation introduced into the system 4—34216
Farden, D.C. *see* Smith, M.W. 4—60085
Fare, R., Grosskopf, S., Logan, J. The relative efficiency of Illinois electric utilities 4—34046
Farell, J.J. *see* Michnal, J. 4—29894
Fargeix, A., Ghibaudo, G. Role of stress on the parabolic kinetic constant for dry silicon oxidation 4—52021
Farghal, S.A., Tantawy, M.A., Abou Hussien, M.S., Hassan, S.A., Abou Elela, A.A. Fast technique for power system security assessment using sensitivity parameters of linear programming 4—45004
Farh Jiing-Lih *see* Jiing-Lih Farh
Farhat, N.H., Chu, T.H. Lissajous coding for computer generated and longwave holography 4—59619
Farhat, N.H., Yi Ho, C., Chang, L.S. Projection theorems and their application in multidimensional signal processing 4—43412
Farhi, A. OECD instruments of international cooperation relevant to telecommunications 4—43602
Farhi, G. *see* Bermond, J.C. 4—50664
Farhoomand, J. *see* Pickett, H.M. 4—37753
Faricelli, J., Frey, J. PATHFINDER—a CAD tool for analyzing latchup in CMOS 4—36895
Farina, A. Analysis and design criteria of multi-radar-multisensor systems 4—32865
Faris, S.M. Analog-to-digital converter 4—29950
Faris, S.M Electronically variable superconducting stripline 4—52520
Faris, S.M., Kilgannon, T.J., Sai-Halasz, G.A. Three-dimensional quiteron package 4—52501
Faris, S.M. *see* Bermon, S. 4—53234
Farish, O. *see* Chalmers, I.D. 4—36929
Farkas, B. *see* Akatov, Yu.A. 4—61841
Farkas, J. Ferromagnetic fluid applications in some rotating electrical equipment 4—34615
Farkhadzade, E.M., El'Darov, O.A., Bodnaryuk, V.A. An automated motor maintenance control system 4—40669
Farkhi, S.L., Vichev, S.T., Tagarov, K.D. Current transformer circuitry transients analysis 4—40284
Farland, R.J. *see* Brandau, B.L. 4—56335
Farley, C.W., Streetman, B.G. Simulation of anomalous Be diffusion in semi-insulating InP 4—46932
Farley, M. *see* Armstrong, A. 4—36450
Farlow, G. *see* White, C.W. 4—58878
Farmer, G. *see* Botros, A.Z. 4—38671
Farmer, L. *see* Arndt, G.D. 4—38096
Farneti, F., Menesatti, P., Dotti, E., Luoni, G. Testing of a 1100 kV, 3 to 9 GVA underground transmission system 4—62194
Farnsworth, J.A. Pronto: Chemical Bank's home banking and information system 4—54245
Faro, A. Communication architectures for local area networks 4—54409
Faro, A., Messina, G., Vita, L. An object based approach for management of distributed systems 4—38332
Faro, A., Mirabella, O., Vita, L. A message tree based language for temporal ordering description of communicating processes 4—38333
Farone, L. Electrical properties of thermally-grown SiO_2 films on N^+ polysilicon 4—30463
Farooque, M., Skok, A.J., Maru, H.C., Kothmann, R.E., Harry, R.W. Evaluation of gas cooling for pressurized phosphoric acid fuel cell stacks 4—40428
Farouk, B., Larson, D.C. Thermal performance of insulated wall systems with metal studs 4—39351
Farr, J.P., Waldron, E.H.J. Administration of traffic forecasting for sparse rural telephone networks 4—48001
Farrant, M., Ashe, G., DeWitt, R., Brouhard, J., Meres, N., Labarbera, R., Woodard, S., Brewster, G., Shinnick, W. First single-mode optical-fiber cable link in live telephone service in USA 4—54786
Farrar, K. The design of a digitally controlled assignable sound mixing system for broadcast and recording studios 4—44375
Farrar, L.C., Ferraro, R.J., Koester, J.K., Ray, E.R. Results from integrated tests of a 50 MWt MHD channel and inverter at the CDIF 4—40487
Farre, J.R. *see* Oter, R. 4—49252
Farrell, J.H. The reality of ISDN 4—60353
Farrell, M.R. *see* Rocca, J.J. 4—51696
Farrell, P.C. *see* Milthorpe, B.K. 4—61749
Farrell, P.G., Brine, A. Codecs for CERS 4—38387
Farrell, P.G. *see* Campello de Souze, M.M. 4—43141
Farrell, P.G. *see* Campello de Souze, R.M. 4—43169
Farrell, P.V., Hofeldt, D.L. Temperature measurement in gases using speckle photography 4—39345
Farrell, T.W. Microwave integrated circuit hardware for the P-3C and B-1B 4—30088
Farrier, D.R. *see* Brown, D.J. 4—57049
Farrington, G.C. *see* Jansen, M. 4—31357
Farrington, J.G., Hadjifotiou, A. Future wideband digital optical fibre systems 4—38598
Farrow, L.A. *see* Hopkins, J.B. 4—51937
Farrow, R.F.C., Noreika, A.J., Shirland, F.A., Takei, W.J., Francombe, M.H. Molecular beam epitaxial growth of CdTe films on InSb 4—50761
Farrow, R.F.C., Noreika, A.J., Shirland, F.A., Takei, W.J., Wood, S., Greggi, J., Jr., Francombe, M.H. Molecular beam epitaxial growth of CdTe films on InSb 4—46223
Farrow, R.F.C. *see* Wood, S. 4—50776
Farrow, R.V. The reclamation of transformer oils containing PCB 4—62600
Farvardin, N., Modestino, J.W. Optimum quantizer performance for a class of non-Gaussian memoryless sources 4—47746
Farvardin, N. *see* Modestino, J.W. 4—43151, 4—60087
Farzaneh, F. *see* Obregon, J. 4—41571
Fashano, M., Strodtbeck, A.L. Communication system simulation and analysis with SYSTID 4—38503
Fasig, J.L. Adapter for attaching laser measuring system to a computer 4—33117
Fasig, J.L. Phoneme buffer and status generator for synthetic speech systems 4—53464
Faso, U.Lo *see* Lo Faso, U.
Fasolino, A., Altarelli, M. Landau levels and magneto-optics of semiconductor superlattices 4—51845
Fassnacht, P. *see* Bressani, T. 4—33695, 4—39427
Fast, R. *see* Minemura, H. 4—31083
Fastritskii, V.S. *see* Brikman, M.S. 4—58100
Fastrup, B. *see* Atlung, S. 4—45600
Fatas, E. *see* Garcia-Camarero, E. 4—62706
Fateeva, N.S. *see* Yakovlev, E.N. 4—55743
Fatehi, M.T., Wasmundt, K.C., Collins, S.A., Jr. Optical flip-flops and sequential logic circuits using a liquid crystal light valve 4—52710
Fathi, N. *see* Kao, W.H. 4—36899
Fathimulla, A., Lakhani, A.A. Memory effect in piezoelectric AlN gates 4—52339
Fatic, V.M. Lagrangian functional for nonlinear resistive networks. II. Applications 4—41178
Fattakhov, A.M., Chirkin, A.S. Influence of noise on the propagation of light pulses in optical fibers 4—42386
Fattal, J. Single-chip microcomputers for high volume applications 4—41394
Fattig, W.D. Networking in academia 4—43783
Fatula, J.J., Jr., Jacobowitz, L. Quality control dosimeter for step-and-repeat lithography 4—42102
Fatyushina, N.P. *see* Kagan, M.B. 4—58037
Faucher, J. *see* Drouet, G. 4—34617
Fauchet, A.M., Feinstein, J., Gover, A., Pantell, R.H. The gas-loaded, free-electron laser 4—52844
Fauconnier, T. *see* Fort, B. 4—55226
Faught, A.N., Jr., Dowell, J.T., Scheps, R.D. Shielding material insertion loss measurement using a dual TEM cell system 4—37651
Faul, D.D. An overview of MR system design 4—56118
Faul, G., Jarret, J., Jarret, J. A rectilinear engine associated with electric wheels 4—62740
Faul, R., Bartosz, R. Failure mechanisms in integrated semiconductor components 4—42083
Faulkner, W.B., Jr. Centrifugal chiller conservation 4—57587
Faure, J.J. *see* Borgese, D. 4—62461
Faurie, J.P. *see* Guldner, Y. 4—51855
Faust, L.G. *see* Brackenbush, L.W. 4—55921
Fauteux, D. *see* Belanger, A. 4—44491
Fauvel, R. *see* Walker, G. 4—40126, 4—49720
Fava, G., Marchesini, R. Laser in surgery: physical aspects 4—33869
Favata, A.F., Gaudenzi, G.J. Level converting driver circuit with AC clamps 4—29976
Favata, A.F., Gaudenzi, G.J., Russomanno, D.M. Driver circuit with DC feedback 4—29973
Favata, A.F., Gaudenzi, G.J., Russomanno, D.M. Multi-drive (non-inverting) open collector driver 4—29979
Favata, A.F., Gaudenzi, G.J., Russomanno, D.M. Multi-drive (inverting) open collector driver 4—35911
Favata, A.F., Gaudenzi, G.J., Russomanno, D.M. Open collector driver circuit 4—35915
Favata, A.F., Gaudenzi, G.J., Russomanno, D.M. Direction switch for off-chip driver circuit 4—35919
Favata, A.F., Gaudenzi, G.J., Russomanno, D.M. Direction switch for tristate driver 4—35920
Favata, A.F., Gaudenzi, G.J., Russomanno, D.M. Open collector driver 4—35923
Favata, A.F., Gaudenzi, G.J., Russomanno, D.M. Inverting open collector driver 4—35924
Favennec, P.N., L'Haridon, H., Salvi, M., Gauneau, M. High resistivity layers of InP obtained by ion implantation 4—30513
Favennec, P.N. *see* Gouskov, L. 4—36319
Favero, L. *see* Galloni, R. 4—34895
Favor, F., Pless, V. On the existence of extremal, doubly-even codes 4—43176
Favre, F. *see* Bouidene, Y. 4—32829
Favre, F. *see* Monerie, M. 4—31403
Favreau, M., Soca, S., Bajon, J., Cattoen, M. Adaptive contrast corrector using real-time histogram modification 4—47915
Favrel, J. *see* Campagne, J.P. 4—35287
Fawley, W.M., Prosnitz, D., Doss, S., Gelinas, R. Radially resolved simulation of a high-gain free electron laser amplifier 4—47379
Fawley, W.M., Scharlemann, E.T., Prosnitz, D. Simulation of a high-gain tapered-wiggler free electron laser 4—59381
Fawzi, T.H., Ali, K.F., Burke, P.E. Boundary element analysis of multilayer induction problems with rotational symmetry 4—31589
Faxer, M. *see* Sandberg, U. 4—56593
Fay, B. Registration and distortion compensating techniques for a large field X-ray exposure system 4—36664
Fay, B., Novak, W.T. X-ray lithography alignment system 4—52161
Faykin, V.V. *see* Chernov, Z.S. 4—30260
Fayolle, P. *see* Huitema, G. 4—38520
Fazekas, P., Wolfgang, E., Gerling, W., Goser, K. Electron beam testing methodology 4—30740
Fazzini, A., Tedone, M. Distribution transformers 4—34711
Fazzini, N., Gonzalez, H., Nicolai, J., Requejo, R., Ventura, E., Feimberg, G., Gidekel, G., Goldschmidt, P. The SF_6 gas handling system for the Buenos Aires 20 MV accelerator 4—33570
Fazzini, N. *see* Perez Ferreira, E. 4—33564
Fearing, R.S., Hollerbach, J.M. Basic solid mechanics for tactile sensing 4—49023
Feather, B.A., Nair, K.K., Peter, A.E., Varcoe, J.A. Adhesion-enhancement layer for MCP M-2 metallurgy 4—51683
Fechine, E., Cunha, H., Jr. Analysis and design of converter separated three phase hybrid synchronous machine 4—49918
Fechtner, G. *see* Fey, P. 4—47865
Fedak, V.V. *see* Betsa, V.V. 4—42450
Fedders, P.A. *see* Yee, C.M.L. 4—46937
Feder, D.O., Kelleher, P.G., Ryan, J.T., Babusci, L.D. Acid aging behavior of polycarbonates for flame retardant plastic containers for central office and UPS lead-acid batteries 4—57335
Federer, J.I. The effect of reactive gases of oxygen sensor responses 4—48865
Federico, J. *see* Waaben, S. 4—57306
Federmann, E.F. *see* Rohatgi, A. 4—50099
Fedirko, V.A. *see* Lubashevski, I.A. 4—46792
Fedkiw, P.S., Watts, R.W. A mathematical model for the iron/chromium redox battery 4—50117
Fed'ko, V.V. *see* Rvachev, V.L. 4—57984
Fedor, J. *see* Bloom, R.D. 4—61213
Fedora, P.A. *see* Dutkiewicz, T.J. 4—49541
Fedorchenko, A.M. *see* Zadorozhnyi, V.I. 4—52859
Fedorchuk, V.A. *see* Kirianiki, N.V. 4—55685
Fedorenko, A.I. *see* Vasil'ev, E.N. 4—37570
Fedorenko, A.S. *see* Demyshev, V.E. 4—50212
Fedorenko, G.M., Vygovskii, V.I. Inequality of distribution of the temperature field and losses of the outer lamination of the stator core of a heavy-duty turbogenerator 4—56944
Fedorenko, S.V. *see* Rengevich, A.A. 4—62893
Fedorishcheva, E.E., Fridman, L.A., Tabachnik, V.P., Chernova, G.S. Tangential component of residual magnetic fields above ferromagnetic bodies magnetized by bar electromagnets 4—35544
Fedoriv, R.F. *see* Medvid', Ya.V. 4—51040

Fedorko, C.R., Jr., Sarab, A.D. Packaging substrate with top surface metallurgy adapted for mixed technology device bonding and method 4—50543
Fedorko, P. *see* Kanicki, J. 4—31215
Fedorov, A.A., Kutkovetskii, V.Ya., Novikov, A.G. The generation of resonant-frequency harmonics by filters 4—41194
Fedorov, A.A., Sadchikov, S.V. Industrial power supply system parameters determination 4—56403
Fedorov, A.B. *see* Galushkin, M.G. 4—42714
Fedorov, A.L., Fedorov, I.L. Root hodograph analysis of the transient and stationary conditions of an oscillatory system 4—35679
Fedorov, A.N., Levina, N.N., Khametova, N.A. Some results of a numerical investigation of slot and strip-slot lines 4—42911
Fedorov, A.S. *see* Zhigal'skii, G.P. 4—36352
Fedorov, B.F., Okorokov, A.N. Use of the 'Spektr' set of programs for calculating on a computer the effect of nonlinear photolayer properties in holography 4—37495
Fedorov, B.M. *see* Morochko, V.P. 4—62863
Fedorov, I.L. *see* Fedorov, A.L. 4—35679
Fedorov, K.A. *see* Matkhanov, P.N. 4—51405
Fedorov, M.M. *see* Dudnik, M.Z. 4—34671
Fedorov, M.V., Stenholm, S. The effects of saturation and inhomogeneous broadening on a non-collinear Compton laser 4—31272
Fedorov, V.A. *see* Pashinkin, A.S. 4—29449
Fedorov, V.F. *see* Soldatov, A.N. 4—37303
Fedorov, V.I. Evaluation of the influence of air suction in the vacuum system of a steam turbine on the operation of the condensation unit with water-jet ejectors 4—62386
Fedorov, V.I. *see* Trifonov, A.P. 4—53657
Fedorov, V.K. The optimum distribution of load shedding probabilities under fault conditions in power systems 4—44997
Fedorov, Yu.K. *see* Lunter, S.G. 4—47445
Fedorova, E.I. *see* Zhimskaya, N.V. 4—55484
Fedorova, L.V., Molchanov, V.S., Urusovskaya, L.N., Zvenigorodskaya, A.N. Moisture resistance and certain other properties of fluorophosphate multialkali glasses 4—31094
Fedorova, N.A. *see* Gurvits, A.E. 4—62865
Fedorova, O.M. *see* Andreev, V.M. 4—62708
Fedors, J.C. *see* Harrington, R.F. 4—39743
Fedorus, G.A. *see* Gorbik, P.P. 4—58768
Fedoseev, A.A. *see* Glazunov, A.A. 4—39853
Fedoseev, L.I. Some features of operation of a heterodyne receiver with the Mach-Zender diplexer in a wide wave region 4—47854
Fedoseev, V.G., Adamson, P.V. Singularities in the absorption spectrum of guided TM modes in metal-dielectric heterostructures with narrow-gap electronic excitation of a buffer layer 4—42410
Fedoseev, V.I. Analysis of optical signals by matrix photoreceivers 4—61304
Fedoseeva, N.P., Kochanova, L.A., Savenko, V.I., Shchukin, E.D. Effect of the medium on the plastic-brittle transition in (001) surface layers of GaAs single crystals 4—36268
Fedoseeva, O.P. *see* Kon'kov, V.V. 4—31252
Fedosejevs, R. *see* Tomov, I.V. 4—59605
Fedosimov, A.I. *see* Boiko, V.A. 4—52918
Fedosov, M.I. *see* Gotovtsev, N.P. 4—45454
Fedosov, V.N. Microeddy current in ferromagnets with point defects 4—59130
Fedotov, E.N. *see* Zhezhelenko, I.V. 4—62167
Fedotov, S.I. *see* Vasin, B.L. 4—55281
Fedotov, V.P. *see* Lystsova, L.A. 4—56678
Fedotova, N.V., Khachaturova, E.A. Simplification of power system elements in static stability analysis with regard to cumulative hunting 4—39781
Feduleev, B.V. *see* Klimenko, I.S. 4—31514, 4—47526
Fedyakina, E.S. *see* Vasil'ev, V.G. 4—59612
Fee, D.C. *see* Krumpelt, M. 4—40429, 4—49825
Fee, J. *see* Liff, H. 4—36683
Feeley, J. Telidon trials and operations—results, experiences and future trends 4—48102
Feeley, J.J. Failure detection and isolation in a nuclear power plant under steady-state conditions 4—49709
Feeley, J.J. On-line use of process models in a nuclear power plant 4—56770
Fegan, G.R. Reliability calculations for dependent plant failures 4—56511
Feger, W.E. *see* Robertson, S.J. 4—52237
Feggeler, J.C. *see* Halpern, S.W. 4—38492
Fegley, C.R., Siebach, H.R. Scribing conductive articles 4—52820
Fegley, C.R. *see* Abraham, B.C. 4—50862
Feher, I. *see* Akatov, Yu.A. 4—61841
Feher, I. *see* Szabo, P.P. 4—33888
Feher, K. *see* Pham Van, H. 4—53374
Feher, K. *see* Sundara Murthy, K.M.S. 4—43383
Fehervari, I., Oosterlinck, A. Image computer architecture for region dependent and parallel algorithms 4—53877
Fehlau, P.E. Gamma-ray detectors for intelligent, hand-held radiation monitors 4—33901
Fehlig, M., Carpinello, C.R. Metromedia Square's communication system 4—44042
Fehlmann, R. *see* Lehmann, H.W. 4—52028
Fehrenbach, P.A. Optical alignment of dual-in-line components for assembly 4—51625
Fehse, E. The DL 000 series of low-power Schottky TTL integrated circuits 4—30749
Fehse, F. The determination of ultratrace metal impurities in deionized process water 4—30550
Fehse, W.H., Hartl, P. Outlook of lasers in space operations and navigation 4—61862
Fei Haosheng, Lou Yuhua, Wang Jingyun, Yuan Yiqian, Zhang Zaixuan Grazing-incidence grating cavities with Brewster-prism beam preexpander for pulsed dye lasers 4—59552
Fei Haosheng *see* Zhang Zhaixuan 4—59461
Fei Jing-gao An adaptive precision method for nonlinear optimization problem 4—57936
Feicht, E.J. The 'fabrication' of EWSD software 4—43887
Feichuk, P.I. *see* Panchuk, O.E. 4—30324
Feige, W.G. An economical spectrum analyser 4—48794
Feigenbaum, I.A. *see* Erdle, F.E. 4—50597
Feigerle, C.S., Pierce, D.T., Seiler, A., Celotta, R.J. Intense source of monochromatic electrons: photoemission from GaAs 4—36176
Feight, G.R. Factor reliability into load management 4—34027
Feigin, L.M. *see* Vorob'ev, S.A. 4—57011
Feigl, F.J., Gale, R., Chew, H., Magee, C.W., Young, D.R. Current-induced hydrogen migration and interface trap generation in aluminum-silicon dioxide-silicon capacitors 4—36344
Feiglin, D. *see* Pavlicek, W. 4—61847
Feihu Qi *see* Qi Feihu
Feiman, V. *see* Holleck, G.L. 4—40392
Feimberg, G. *see* Fazzini, N. 4—33570
Feiming Tong *see* Tong Feiming
Feinberg, B. *see* Brown, I.G. 4—39399
Feinberg, I., Humenik, J.N., Wu, L.L. Four voltage low inductance ceramic chip capacitor 4—51566
Feinberg, I., Kraus, C.J., Stoller, H.I. High density multi-chip chip site 4—45981
Feinberg, I., Meltzer, D., Stoller, H.I. Interposer for chip-on-chip module attachment 4—35314
Feinberg, I., Wu, L.L. Technique to feed high DC power with minimum DC drop variation 4—29664
Feinberg, J. Optical image processing using four-wave mixing in photorefractive materials 4—43410
Feinberg, J., Bacher, G.D. Self-scanning of a continuous-wave dye laser having a phase-conjugating resonator cavity 4—59556
Feinberg, J. *see* Araktingi, Y.E. 4—36143
Feinberg, J. *see* Jahoda, F.C. 4—53080
Feinberg, J. *see* MacDonald, K.R. 4—47328
Feinberg, S.D. *see* Glaser, R.M. 4—56163
Feinberg, S.D. *see* Gruner, J.A. 4—56162
Feinstein, J., Walach, E., Zeheb, E. Comments on 'Root distribution for the ellipse' [and authors' reply] 4—40901
Feinstein, J. *see* Chen, C.K. 4—52843
Feinstein, J. *see* Fauchet, A.M. 4—52844
Feintuch, P. Protection against short-circuits and insulation defects in Electricite de France VHV systems 4—45164
Feintuch, P.L. *see* Reed, F.A. 4—60923
Feiock, F.D., Oldenettel, J.R., Miscikowski, G.R. An experimental method for the determination of rare gas halide laser medium parameters 4—52899
Feist, J.H. *see* Sashin, D. 4—44741
Feistel, K. A simulator for the attenuation and group delay distortions of telephone circuits 4—48372
Feitknecht, J. Earth-leakage circuit-breakers. Design solutions, development trends and fundamental principles for their use 4—57265
Feizulin, Z.I. *see* Moroz, A.V. 4—37568
Fejes, P.L. *see* Liaw, H.M. 4—46917
Fekete, D. *see* Shtrikman, H. 4—59540
Fekete, F., Knowles, R.B., Miller, J.S. Solid polyester molding materials 4—35306
Feketekuty, G., Aronson, J.D. Restrictions on trade in communication and information services 4—54011
Felawka, L. *see* Bertl, W. 4—33757
Felch, K., Bier, R., Fox, L., Huey, H., Jory, H., Manca, J., Shively, J., Spang, S., Moeller, C. Analysis of the output mode from 60 GHz, 200 kW pulsed and CW gyrotrons 4—36198
Felch, K. *see* Jory, H. 4—36188
Feld, M.S. *see* Thomas, J.E. 4—47408
Fel'd, Ya.N. Diffraction of electromagnetic waves by surfaces with a boundary condition in the form of an admittance operator 4—31627
Felder, E.C. *see* Nakahara, S. 4—46981
Felder, R.M., Arce-Medina, E. Calculation of voltage and space charge distributions in a wire-plate electrostatic precipitator 4—31570
Feldkamp, L.A., Davis, L.C., Kress, J.W. Practical cone-beam algorithm 4—47898
Fel'dman, A.V. *see* Bai, R.D. 4—34673
Feldman, C.L. Computer detection of cardiac arrhythmias—historic review 4—49225
Feldman, D.W. *see* Liu, C.S. 4—37326, 4—37329
Feldman, H.R. Technical assessment of fisheries hydroacoustics 4—56330
Feldman, J. *see* Berg, S.V. 4—34045
Feldman, J.A., Garverick, S.L., Rhodes, F.M., Mann, J.R. A wafer scale integration systolic processor for connected word recognition 4—53539
Feldman, L. TV stereo sound: a status report 4—32895
Feldman, L. VHS HiFi: The Beta alternative? 4—32974
Feldman, L. Beware tall tales about compact discs! 4—38896
Feldman, L. The Shure FP31 ENG mixer 4—44247
Feldman, L. Problems with CDs—real or imagined? 4—61114
Feld'man, L.B. *see* Gel'man, G.A. 4—45776
Feldman, L.C. *see* Bean, J.C. 4—46222
Feldman, M.J. *see* Hicks, R.G. 4—37074
Feldman, M.J. *see* Pan, S.-K. 4—35705
Fel'dman, N.M. Choice of settings for maximum current protection with controlled characteristics of operating time 4—39909
Feldman, P., Siino, W. IC adds Wait states to μC 4—29961
Feldman, R. Controlling peripheral equipment using the 'ready' signal of a microprocessor 4—61221
Feldman, R. *see* Kosak, A. 4—57543
Feldman, R.D., Austin, R.F., Oron, M. Crescent InGaAsP mesa substrate buried-heterostructure lasers at 1.55 μm 4—59520
Feldman, S. *see* Ronen, B. 4—44781
Feldt, T. Industry pushes for lower-noise LNAs [for DBS receivers] 4—41582
Feliachi, A. *see* Meliopoulos, A.P. 4—50351
Felici, F., Brouwer, G.F. The Giotto thermal control 'shutter' 4—44878
Felici, F., Lindhout, P. Thermal design of the Giotto spacecraft 4—44807
Felinskii, G.S. The electric-field distribution in coplanar electrode systems 4—53139
Felisiak, N. Ethernet applications on the PERQ 4—32347
Feliszek, K. Electronic contactless system for optimum control of the ignition advance angle in internal combustion engines 4—62778
Felkel, L. *see* Bastl, W. 4—62295
Felker, R.J. *see* Livesay, W.R. 4—36374
Fell, J.M. Ant Products Tiger LY10 144 MHz Yagi antenna 4—42973
Fell, J.M. muTek SBLA 144e 144 MHz VHF preamplifier 4—46361
Feller, P. Speed control of an AC motor by state variables feedback with decoupling 4—57030
Fellinger, C., Leipold, L. Experimental study of a 1000 V SIPMOS transistor with integrated low-voltage logical circuitry 4—52305
Fellman, B., Martin, J. Plastics scientists use anatomy of impact to predict behavior 4—58078
Fellmann, D. *see* Chambaudet, A. 4—55899
Fellner, W.-D., Maurer, H., Posch, R. Intelligent videotex-terminals for rapid videotex penetration 4—48110
Felock, R.D. *see* Simonis, G.J. 4—59293
Felsen, L.B. *see* Einziger, P.D. 4—37588
Felsenthal, H.R. *see* Burkman, J.L. 4—41193
Felske, A. *see* Bruhn, H. 4—44656
Felszerfalvi, J. *see* Kroo, N. 4—30469
Feltinsh', I.A. *see* Bekeris, Yu.Ya. 4—58808
Felton, B.J. *see* Chiang, A.M. 4—58379
Fench, P.St.-J.R. Switched reluctance motor drives for rail traction: relative assessment 4—62750
Fencil, C.R., Hughes, G.P. Submicron X-ray replication technology for early application 4—36658
Fender, J.S. *see* Butts, R.R. 4—59661
Fendrikov, A.I. Correction of nonlinear distortions in synchronous cumulative filters 4—58436
Feng, G.L., Tzeng, K.K. Shift-register synthesis for t sequences 4—43170
Feng, G.L., Tzeng, K.K. Generalization of minimum distance bound on generalized Goppa codes and their decoding 4—43181
Feng, G.L., Tzeng, K.K. On quasi-perfect property of double-error-correcting Goppa codes and their complete decoding 4—43182
Feng, M., Eu, V.K., Kanber, H. Optimization of ion-implanted low noise GaAs metal-semiconductor field effect transistors 4—58931
Feng, M., Eu, V.K., Yee, C.M.L., Zielinski, T. A low-noise GaAs MESFET made with graded-channel doping profiles 4—30640
Feng, M. *see* Kanber, H. 4—51935
Feng, M. *see* Yamasaki, H. 4—58548
Feng, T. *see* Ghosh, A.K. 4—36348
Feng, T. *see* Morel, D.L. 4—50057
Feng Duan *see* Hong Jingfen 4—37467
Feng Gui-Liang An iterative decoding for BCH codes with generalized bound 4—47735
Feng Huanqing How to compress cardiogram signal with AZTEC algorithm 4—61793
Feng Jin *see* Jin Feng
Feng Yin *see* Yin Feng
Feng Yu-kun Velocity overshoot effects on parameters of short channel GaAs MESFET 4—52088
Feng Yuan-bing *see* Sun Ke 4—52444
Feng Yufen Optical differentiation by composite holographic grating recorded with nonlinearity 4—47519

Feng Zhou *see* Zhou Feng
Feng-yin Li *see* Li Feng-yin
Fengbin Zhou *see* Zhou Fengbin
Fengjuan Wang *see* Wang Fengjuan
Fengmei Dai *see* Dai Fengmei
Fengting Sang *see* Sang Fengting
Fengying Li *see* Li Fengying
Fengyun Wang *see* Wang Fengyun
Fengzhi Xu *see* Xu Fengzhi
Fenichel, L. Laser drilling: not a boring story 4—46685
Fennell, T.L., Nicolino, T.A. Computer aided testability 4—45962
Fenner, P. Leading to an automated future 4—35280
Fenner, P. Assembly—better by design 4—46701
Fenner, P.J. Application of laser inertial technology to commercial airplanes 4—49418
Fenner, T.I., Loizou, G. Loop-free algorithms for traversing binary trees 4—40939
Fenner, W. Evaluation of subjective assessment for medium frequency reception from vertical radiators 4—48564
Fennian Jin *see* Jin Fennian
Fenster, A. *see* Cunningham, I.A. 4—49174
Fenton, B.P., Grant, I.M., Thiessen, D.R. Multiple-line signature analysis using parallel linear feedback shift register 4—55321
Fenton, B.P., Peniguel, F.P. Multiple-line signature analysis of asynchronous logic 4—55322
Fenyes, T. *see* Passoja, A. 4—55992
Fenyuk, A.B. *see* Borovikov, A.A. 4—39474
Feofilov, G.P., Kozlov, S.A. Improving the automatic device for establishing hopper feed priority 4—36001
Feoktistov, N.A. *see* Andreev, A.A. 4—30366, 4—51912
Feoktistov, V.P., Antyukhin, V.M. Improving the energy characteristics of alternating current rail vehicles using controlled rectifier units 4—35014
Ferber, R., Shimada, K., Costogue, E. Large-area silicon sheet technology status in United States' Department of Energy photovoltaics programs 4—34876
Ferber, R.R. The DOE photovoltaics program 4—40470
Ferdinandov, E.S. *see* Stoikova, E.V. 4—54890
Ferendeci, A.M., Chou, W.C. Production and study of axis circling electron beams for gyrotrons 4—41776
Ferendeci, A.M., Han, C.C. Theory of a harmonic gyrotron in a rectangular cavity using a ribbon type electron beam 4—41769
Ferens, J., Siwiec, G. Elimination of harmonics in PWM inverters output voltage waveform 4—49965
Ferguson, A.H. *see* Anacona, J.R. 4—59421
Ferguson, A.H. *see* Davies, P.B. 4—59434
Ferguson, F.J. *see* Shen, J.P. 4—58258
Ferguson, H.R.P., Major, R.D., Powell, K.E., Throolin, H.G. On zeros of Mellin transforms of $SL_2(\mathbf{Z})$ cusp forms 4—29330
Ferguson, J., Priest, C.J., Cocks, J.F. Specification, selection and development of a CAD system for power station project engineering 4—56498
Ferguson, K.W., Sleigh, P.D., O'Carroll, A.P. Printed circuit bandstop filters 4—36032
Ferguson, M.A. *see* Peden, K. 4—34062
Ferguson, M.J., Mason, L.G. Network design for a large class of teleconferencing systems 4—53971
Ferguson, P. *see* Thorington, C. 4—36203
Ferguson, P.E. *see* De Hope, W.J. 4—36210
Ferguson, T.J., Rabinowitz, J.H. Self-synchronizing Huffman codes 4—43149
Ferguson, T.R., Smithers, M.E. Optical resonators with nonuniform magnification 4—47479
Ferguson, T.R., Smithers, M.E. Toric unstable resonators 4—53020
Ferguson, W.J. *see* Ramshaw, R.S. 4—34957
Feri, I., Galic, J. Electronic testing of windings of HV synchronous machines in the factory and on site 4—56972
Feria, E. *see* Scheinberg, N. 4—53376
Feridun, A.M., Torng, H.C., Li, H. A methodology for the design of VLSI based FFT multiprocessors 4—38023
Fernandes, H.C.C., Giarola, A.J. Dispersion in unilateral fin lines with two dielectric layers 4—41541
Fernandes, H.C.C., Giarola, A.J., Rogers, D.A. A comprehensive CAD system for university programs in microwaves 4—35184
Fernandes, P., Parodi, R. Computation of electromagnetic fields in multicell resonant structures for particle acceleration 4—31555
Fernandes, P., Parodi, R. On compensation of axial electric field unflatness in multicell accelerating structures 4—39383
Fernandes, P., Parodi, R. RF heating and attainable RF fields of high frequency He II cooled Nb cavities with defect free internal surface 4—59179
Fernandes, R.L. A new method of operation of the National Electricity Grid 4—62037
Fernandez, A. *see* Araujo, G.L. 4—34914
Fernandez, C., Thiagarajan, P.S. *D*-continuous causal nets: a model of non-sequential processes 4—29367
Fernandez, F. *see* Domingo, C. 4—55859
Fernandez, F. *see* Vidal-Quadras, A. 4—55974
Fernandez, M.F. Optical method for the estimation of local heat transfer coefficients 4—52712
Fernandez, S.J., Anderson, M.D., Motes, B.G., Chapman, T.C., Emel, W.A., Tkachyk, J.W. High precision ^{85}Kr monitor 4—33903
Fernandez Rondan, B. Introduction of wideband fibre optic communication systems in Spain 4—38644
Fernandez Rondan, B., Llobet, A. Local network using optical fibers in high voltage substations 4—60865
Fernandez-Aviles, F. *see* Lopez-Bescos, L. 4—49276
Fernandez-Serdan, B. *see* Capros, P. 4—45919
Fernando, J., Silva, A., Victor, A., Anunciada, A. A new power consumption scheduling process for resistance welding equipment 4—35081
Ferne, A.C., Moody, D. Objective assessment of broadcast video recorders 4—44292
Ferra, P.De *see* De Ferra, P.
Ferran, J. Electrical distribution networks in France 4—34164
Ferran, J. Service experience of EDF 20 kV XLPe insulated cable 4—56623
Ferrando, W., Lee, W.W., Sutula, R.A. A lightweight nickel composite electrode. I. Concept and feasibility 4—40385
Ferrante, G.A. *see* Donnelly, J.P. 4—59264
Ferrari, A., Bendell, F. The competitiveness of nuclear electricity: the past and prospects 4—62302
Ferrari, G. High integration and digital techniques for TV apparatus 4—38824
Ferrari, R., Siligoni, M. Two chips replace discrete SLIC's 4—47075
Ferrari, R.L. *see* Cumming, A.D.G. 4—33990
Ferrari, R.L. *see* Silvester, P.P. 4—29168
Ferraris, G.P. *see* Giavarini, A. 4—41725
Ferraris, P., Lazzari, M. Phase numbers and their related effects on the characteristics of inverter fed induction motor drives 4—57418
Ferraris, P., Lazzari, M., Villata, F. High-speed induction motor drives: starting operation control 4—49895
Ferraro, R.J. *see* Farrar, L.C. 4—40487
Ferraro, V.D. *see* Racine, W.C. 4—40189
Ferratini, G., Franco, E. The hydroelectric plant of the high Gesso 4—56886
Ferraton, J.P. *see* Coulibaly, S.P. 4—51802
Ferreira, C. *see* Pons, A. 4—32036
Ferreira, E.Perez *see* Perez Ferreira, E.
Ferreira, H. On DC free magnetic recording codes generated by finite state machines 4—30986
Ferreira, J.A. *see* van der Broeck, H.W. 4—49977
Ferrentino, G.L. *see* Deis, D.W. 4—42786
Ferrero, A. Methodologies of design, manufacture and testing of microprocessor-based electrical equipment 4—55169
Ferrero, A. *see* Carminati, E. 4—48692
Ferretti, M. Robots will also get ears 4—59956
Ferrier, R.P., Tong, H.C., Parker, K., Geiss, R.H. Lorentz microscopy of a thin film high density magnetic recording medium 4—42265
Ferriere, R. *see* Goedgebuer, J.P. 4—31443
Ferris, C.D. Practical considerations in the use of skin-surface recording electrodes 4—49210
Ferris-Prabhu, A.V. Computation of the critical area in semiconductor yield theory 4—30581
Ferriss, L. Window comparator provides hysteresis 4—58475
Ferriz, J.A. *see* Torrado, E. 4—49280
Ferro, E. *see* Celandroni, N. 4—38571
Ferrone, G.E. Meeting VDE & CSA requirements in the manufacture of transformers 4—35307
Ferry, D.K. *see* Grondin, R.O. 4—41300
Ferry, M. *see* Bonnet, Y. 4—29657
Fersini, D. *see* Marsan, A.M. 4—32138
Fertl, W.H. *see* Chilingar, G.V. 4—35109
Fertman, V.E. *see* Novikov, V.A. 4—59136
Fertner, K.S. Synthesized speech aids in teaching technical military terms 4—43249
Feru, V., Ispasoiv, G., Toma, I. Model of a calibration standard type photoelectric photometer 4—61399
Fesenko, B.V. *see* Bobrov, E.N. 4—32463
Fesenko, L.D., Dyubko, S.F., Bogatyrev, A.E., Polevoi, B.I., Shevyrev, A.S. Stabilisation of the power level of submillimetre lasers with optical excitation 4—42505
Feser, K. A measurement spark gap for high DC voltages 4—45181
Feser, K. *see* Malewski, R. 4—56705
Fet, D.L. *see* Speilberger, R.K. 4—58649
Fetisov, V.V., Izotov, V.A., Manoylova, O.N., Kuss, H. Analysis of the magnetic field of smooth-core DC machines with the aid of the finite element method 4—57069
Fetisov, V.V. *see* Davidchuk, G.A. 4—49902
Fetisov, V.V. *see* Meshchenina, M.P. 4—45453
Fetisov, V.V. *see* Metskenina, M.P. 4—57070
Fette, B., Rimpo, C., Kish, J. A manpack portable LPC 10 vocoder 4—60554
Fetter, L.A. *see* Skocpol, W.J. 4—51899
Fetter, W., Wittenberg, C. A progression of wide angle display developments by computer graphics 4—39054
Fetterman, H.R. *see* Kreischer, K.E. 4—41756
Fettweis, A. Some properties of scattering Hurwitz polynomials 4—41139
Fettweis, A., Linnenberg, G. An extension of the maximum-modulus principle for applications to multidimensional networks 4—29574
Fettweis, A., Nossek, J.A., Meerkotter, K. Reconstruction of signals after filtering and sampling rate reduction 4—51463
Fettweis, A. *see* Basu, S. 4—57964
Fettweis, A. *see* Pandel, J. 4—41459
Feu, P.H.Du *see* Du Feu, P.H.
Feucht, D.L. Photovoltaics: future issues and promises 4—50075
Feuerstein, A., Lammermann, H., Mayr, M., Ranke, H. Production coating processes for metal thin film video tape—state of the art 4—44287
Feuillet, R., Ivanes, M., Le-Huy, H. A forced-communication circuit through smoothing inductor for current source inverters 4—57219
Feurestein, A., Mayr, M. High vacuum evaporation of ferromagnetic materials—a new production technology for magnetic tapes 4—29524
Feuser, A., Wustmann, G. The application of a compound frequency test instrument to the determination of linearizing points for strongly nonlinear systems 4—33411
Feuster, I.R., Radeschi, D.C. Speeding up the 'service' in special services circuits 4—57791
Few, R.A., Voshall, R. 25 kV and 34.5 kV capacitor switching vacuum circuit breakers 4—50006
Fews, A.P., Henshaw, D.L. A study of thermonuclear particles emitted from laser compressed deuterium-tritium fusion targets 4—55944
Fews, A.P., Henshaw, D.L. Alpha-particle autoradiography in CR-39: the determination of the microdistribution of activity and trace element analysis 4—56028
Fews, A.P., Henshaw, D.L. High resolution alpha-particle spectroscopy using CR-39 plastic track detector 4—61712
Fews, A.P. *see* Portwood, T. 4—55888
Fews, A.P. *see* Turner, T.W. 4—55927
Fey, C.F. Custom LSI/VLSI manpower model 4—58995
Fey, P., Fechtner, G., Maiwald, T. Fast Fourier transform with hardware multiplier 4—47865
Feydt, M. Reliable contact voltages and surface voltage gradients for domestic animals 4—35244
Fiala, I. *see* Filipensky, J. 4—42883
Fialkow, A.D. A theorem on general *LC-R* ladder filters 4—41452
Fiat, A., Shamir, A. Generalized 'write-once' memories [WOM codes] 4—47744
Fibeyre, C. *see* Jeandot, J.L. 4—37838
Fiche, G. *see* Jacob, J.F. 4—38392
Fichtner, W. Process simulation 4—42127
Fichtner, W., Fuls, E.N., Johnston, R.L., Watts, R.K., Weick, W.W. Optimized MOSFETs with subquartermicron channel lengths 4—36630
Fichtner, W., Nagel, L.W., Penumalli, B.R., Petersen, W.P., D'Arcy, J.L. The impact of supercomputers on IC technology development and design 4—30699
Fick, D. *see* Kramer, D. 4—33623
Fick, J.S. *see* Bucelot, T.J. 4—52206
Fickas, E.T. A field test program for test and training applications of the Navstar/Global Positioning System 4—38739
Ficke, D.C., Belecher, D.E., Hoffman, G.R., Holmes, T.J., Ter-Pogossian, M.M. Recent developments in image reconstruction using a time-of-flight-assisted positron emission tomograph: Super PETT I 4—33812
Ficke, D.C. *see* Holmes, T.J. 4—39533
Fickle, D.M. Detecting shorted circuits on ohmic-connected buses 4—41624
Fickler, R.A., Murison, G.E. Power supplies for the electrochemical industry—an economic and performance comparison between diodes and thyristors 4—35085
Fiddy, M.A. *see* Scivier, M.S. 4—60189
Fiddy, M.A. *see* Zapalowski, L. 4—53944
Fiddyment, P.J. *see* Chidgey, P.J. 4—60842
Fiddyment, P.J. *see* Frisch, D.A. 4—32798
Fidecaro, F. *see* Amendolia, S.R. 4—49068
Fidecki, T. Interchangeability of compact cassettes 4—61156
Fidge, C.J., Cain, G.J., Jackson, L.N., Pascoe, R.S.V. An overview of the MELBA automatic code generation project 4—47943
Fidler, J. *see* Rabenburg, L. 4—31030
Fidler, J.K. Introduction to optimisation in electronics and communications 4—40979
Fiebiger, J. C-MOS: a designer's dream with the best yet to come 4—36824
Fiebranz, A. The technology of wideband communications. I. Fundamental principles for standardisation of installations 4—43563
Fiebranz, A. The technique of broad-band communication. II. Construction and operation of broad-band communication plant 4—48538
Fiedeldij, H. VHF power amplifiers with broadband input circuitry 4—60992
Fiedler, O. *see* Albrecht, H.E. 4—44612
Fiegelson, R.S. *see* Elwell, D. 4—29466
Field, B.F. *see* Cage, M.E. 4—58776

Field, D., Hydes, A.J., Klemperer, D.F. Spectroscopic studies of fluorescent emission in plasma etching of Si and SiO_2 and the mechanism of gas-surface interactions 4—42009
Field, H.P. Computer controlled spatial measurement of CRTs 4—48742
Field, H.P. Computer controlled wavelength scale correction for improved spectroradiometric cathode ray tube color measurements 4—48743
Fielder, H. *see* Schnell, E. 4—37545
Fielder, M. *see* Bunzel, E. 4—56977
Fielding, D. Mastering the HV impulse method of finding faults in buried cables 4—39893
Fielding, H. *see* Horner, J. 4—59614
Fielding, H.B. Interfacing a computer to a linear air track 4—57722
Fields, J.A. *see* Goksel, A.K. 4—51367
Fields, J.J. Antennas and planning law. I 4—60655
Fields, R.A. *see* Shideler, J.L 4—61853
Fields, S.W. National hits with 32-bit microprocessor 4—29890
Fields, W.W. *see* Anderson, G.D. 4—50133
Fienup, J.R. Reconstruction and synthesis applications of an iterative algorithm 4—43428
Fienup, J.R. Autocorrelation unfolding 4—43433
Fier, D. *see* LeClair, K. 4—58384
Fiero, J. Impacting the engineering shortage through performance-based training 4—35197
Fieux, H. *see* Canal, M. 4—45098
Fifield, J. *see* Adler, E. 4—35811
Figalli, G., La Cava, M., Tomasi, L. An optimum feedback control for a bilinear model of induction motor drives 4—56992
Figalli, G., Tomasi, L., Ulivi, G., La Gava, M. Comparison among various approaches for the optimal feedback control of induction motor drives 4—57402
Figalli, G. *see* Bellini, A. 4—34980, 4—49982, 4—57425
Figalli, G. *see* Reggiani, U. 4—50135
Figanier, J. *see* Barbosa, A.M. 4—53279
Figge, E., Seidler, H. Long term experience with cable junction boxes 3×NHOO for instalment in outer walls 4—30162
Figini, G. Read and memory devices for punched cards 4—35736
Figini, G. Programmed logic systems: memories 4—51198
Figini, G. Microprocessor controlled programmed logic systems 4—51274
Figueiras-Vidal, A.R. *see* Casar-Corredera, J.R. 4—34264
Figueirdeo, R.J.P.de *see* de Figueirdeo, R.J.P.
Figueiredo, R.J.P.de *see* de Figueiredo, R.J.P.
Figueiredo, R.J.P.De *see* De Figueiredo, R.J.P.
Figueras, A. *see* Morenza, J.L. 4—29496
Figueroa, L., Morrison, C., Law, H.D., Goodwin, F. Twin channel laser (TCL) with high CW power and low beam divergence 4—37388
Figueroa, L. *see* Maracas, G.N. 4—61379
Fikioris, J.G. *see* Uzunoglu, N.K. 4—46613
Fikse, D.A., Wu, J.L., Thio, Y.C. The ELF-I augmented electromagnetic launcher 4—42797
Fil', M.I. *see* Sivokobylenko, V.F. 4—36115
Filanovsky, I.M., Piskarev, V.A. A simple bridge RC multivibrator 4—58218
Filanovsky, I.M., Piskarev, V.A., Stromsmoe, K.A. On multivibrators with small mark/space (space/mark) ratio 4—35685
Filanovsky, I.M., Piskarev, V.A., Stromsmoe, K.A. Nonsymmetric multivibrators with an auxiliary RC-circuit 4—51025
Filaretov, V.V. *see* Kurganov, S.A. 4—41171, 4—41172
Filaretova, G.M. *see* Kovalevskaya, G.G. 4—36333
Filaretova, G.M. *see* Meredov, M.M. 4—30429
Filatov, A.I. Method for evaluating economic efficiency of thermal electric power station technical reequipment 4—34392
Filatov, A.I. Amortization and service life of steam electric power stations 4—35225
Filatov, A.S., Dralyuk, B.N., Valdyrev, A.S. Limitation of coordinates in electric drives of concordantly controlled mechanisms [rolling mills] 4—57594
Filatov, M.N. *see* Gromov, G.G. 4—32475
Filatov, O.N. *see* Kostenko, A.A. 4—41881
Filatov, V.I. *see* Lyubarskii, V.G. 4—39816
Filatov, V.V., Isaev, G.A. On the use of the visualization method in interpreting the data obtained by the method of transitional processes (MTP) 4—56280
Filatova, L.K. Synthesis of the control structure of a digital system 4—45501
Fildes, R. *see* Gilchrist, B. 4—39196
Filep, R. The world communications satellite market through 2000: analysis and forecast 4—44062
Filevich, A. *see* Perez Ferreira, E. 4—33564
Filho, F.C.M. *see* Jayasuriya, D.A.R. 4—59752
Filho, J.Mestnik *see* Mestnik Filho, J.
Filichev, O.N. *see* Blotskii, N.N. 4—62518
Filimenov, S.N. *see* Borshchevich, V.I. 4—29753
Filimonov, A.A. *see* Andreev, L.N. 4—47495
Filimonov, S.A. *see* Glukhov, N.A. 4—58089
Filinyuk, N.A. Active UHF filters based on transistor immittance converter 4—35951
Filipensky, J., Svestka, Z., Tischer, Z. Applications of high permeable materials in special magnetic circuits of ultrahigh vacuum instruments and devices 4—47207
Filipensky, J., Svestka, Z., Tischer, Z., Fiala, I. Applications of amorphous soft magnetic materials for magnetic screening of laboratory instruments and devices 4—42883
Filipiak, B. *see* Doring, A. 4—49123
Filipov, A.N. *see* Berg, N.J. 4—52738
Filipovic, B. About asynchronous switching of generators by quick automatic repeat switching 4—45394
Filipovic, B. *see* Zutobradic, S. 4—39858
Filipovic, V., Bencetic, B. Economic dispatch dependability on electric power system characteristics 4—49509
Filipovic-Grcic, B., Zutobradic, S. Installation of bus protection in urban 110/10(20) kV network 4—39857
Filipovic-Grcic, B., Zutobradic, S. Reasons for busbar protection in urban 110/20/10 kV distribution networks 4—62162
Filipovic-Grcic, B. *see* Zutobradic, S. 4—39920
Filipowicz, J. *see* El-Halawany, S. 4—52769
Filipp, V.N. *see* Varlamov, I.V. 4—29526
Filippini, J.C. *see* Koo, J.Y. 4—59057
Filippone, W.L. *see* Ganapol, B.D. 4—58985
Filippov, A.N. *see* Bikineev, V.A. 4—61707
Filippov, B.A. *see* Evtushenko, V.A. 4—39869
Filippov, I.F. *see* Babenko, F.M. 4—62491
Filippov, I.F. *see* Vladimirskii, S.A. 4—40149, 4—45331
Filippov, I.M. *see* Kazakevich, L.A. 4—36255
Filippov, M.V. *see* Gerasimov, V.A. 4—31359
Filippov, N.M. *see* Abramovich, A.A. 4—39756
Filippov, O.O. *see* Kryukov, K.P. 4—45133
Filippov, V.E. *see* Lenyuk, G.K. 4—33080
Filippov, V.S., Shatokhin, B.V. The impedance and polarization characteristics of rectangular printed radiators in planar phased antenna arrays 4—42992
Filippov, V.S. *see* Razdolin, A.M. 4—42987
Filippychev, S.A. *see* Belousova, T.Ya. 4—49072
Filippyuk, V.V. *see* Lyutova, N.A. 4—39580
Filipski, P. The measurement of distortion current and distortion power 4—34232
Filipskii, Yu.K. Transients in parametric circuits in the case of abrupt pumping 4—50887
Fill, E.E. Image relaying through saturated amplifiers 4—31461
Filler, D.S. Optoelectronic sensors for remote position recognition and exact positioning 4—55423
Filler, R.L. Modernization of the military specification for quartz crystal units 4—30916
Filler, R.L., Kosinski, J.A., Vig, J.R. Further studies on the acceleration sensitivity of quartz resonators 4—30899
Filler, R.L. *see* Rosati, V. 4—29703
Filler, R.L. *see* Rosati, V.J. 4—30918
Filligoi, G.C., Mandarini, P. Some theoretic results on a digital EMG signal processor 4—44744
Fillmore, G.L., Ream G.L. Traveling wave exciter for ink jet print head 4—47163
Fillmore, G.L., VanLokeren, D.C. A multinozzle drop generator which produces uniform breakup of continuous jets 4—47560
Filonets, A.A. *see* Lyashenko, V.V. 4—39313
Filonin, O.V., Ovchinnikov, K.V. Halftone digital display 4—48751
Filonov, N.G., Maksimova, N.K., Vyatkin, A.P., Romanova, I.D., Mysik, A.M. Transport mechanism in GaAs Schottky diodes. Deep centres effects 4—46999
Filseth, E. Flipped pnp transistor creates low-voltage-drop semiconductor switch 4—41654
Filz, R.C. *see* McNulty, P.J. 4—55884
Fimia, A. *see* Oliva, J. 4—37482
Finak, J., Jerominek, H., Opilski, Z. Some optical properties of planar borosilicate glass waveguides formed in molten KNO_3 bath 4—31142
Finak, J. *see* Yip, G.L. 4—59238
Finaurini, R. *see* Rosini, P. 4—51301
Finberg, S. Son of Nicad conditioner 4—49947
Fincham, W.F. *see* Vatidis, S. 4—33143
Fincher, J., Geiger, R. Monolithic, frequency referenced, digitally self-tuned filters 4—41485
Finci, A.G. *see* Trybus, P.R. 4—59792
Finck, K.-R., Tscharr, R. Control and regulating circuit for DC transformer 4—62588
Findakly, T. *see* Cordero-Iannarella, R.F. 4—61328
Findakly, T. *see* Stephens, W.E. 4—42627, 4—53006
Findlay, R.D. A hybrid finite element, finite difference technique applicable to the solution of linear conductor problems 4—31567
Findlay, R.D. Ripple losses in smooth laminated poles—an analysis 4—34566
Findlay, R.D. *see* MacLean, M.J.L. 4—33488
Fine, M.J.Ohlson de *see* Ohlson de Fine, M.J.
Fine, T.L., Grize, Y.-L., Papamarcou, A. Stochastic models based upon lower probabilities 4—40933
Finegold, L., Schnathorst, V., Adams, T., Freymuth, C. A highly efficient gate array architecture 4—58289
Fines, J. *see* Jerinic, G. 4—36068
Fingarova, A.T. *see* Boyadzhiev, Ya.S. 4—45988
Finger, G., Zack, R., Kruger, F. Concept for the testing of components of fiber reinforced plastics using ultrasonics 4—50855
Finger, M., Prince, T.A., Padgett, L., Prickett, B., Schnepple, W. Energy resolution enhancement of mercuric iodide detectors 4—33712
Finger, M. *see* Cook, W.R. 4—33780
Fini, L. *see* Buffa, R. 4—47419
Fink, A.K., Ostrizhnov, I.D. Dokan hydroelectric station in Iraq 4—62424
Fink, J.H. Photodetachment technology 4—61611
Fink, J.L., Demarest, D.M., Flairty, C.W., Patterson, W.A. Analysis of ten years operation of the Eel River solid state HVDC converter station 4—49972
Fink, M. *see* Guyomer, G. 4—56364
Fink, R. *see* Halpin, T.F. 4—45003
Fink, W.L. *see* Brackett, W.E. 4—57531
Finke, H.-G., Nicia, A., Rittich, D. Optical ball lens demultiplexer 4—48482
Finke, K.-H. Phonodrive MA 024/MA 023 4—55110
Finke, K-H. A control logic for the drive of the hi-fi stereo cassette SK 3000 4—55127
Finkel'shtein, A.M. *see* Dravskikh, A.F. 4—54920
Finkel'shtein, E.Ya. *see* Yakubaitis, E.A. 4—43726
Finkel'shteyn, Yu.Yu. *see* Korbut, A.A. 4—35395
Finkelstein, S., Mohan, C., Strong, H.R. Distributed transaction commit protocols for highly available systems 4—32392
Finkman, E., Fisher, B. Electrical transport measurements in TiS_3 4—30392
Finlay, H.J., Jenkins, J.A., Pengelly, R.S., Cockrill, J. Accurate coupling predictions and assessments in MMIC networks 4—30108
Finley, M.E., Jr. Optical fibers in local area networks 4—60517
Finman, L.C. *see* Otis, J.N. 4—39544
Finman, L.Campbell *see* Campbell Finman, L.
Finman, P.F. *see* Peistrup, M.A. 4—52840
Finnell, T.E. Functional test techniques for microprocessor-based circuits 4—50500
Finnes, S.J., Smolinski, J.G. E-beam aperture for variable shapes and non-orthogonal lines 4—42103
Finney, C.E. *see* Horn, B.A. 4—49153
Finney, J.A., Jr. *see* Heacock, F.A., Jr. 4—49769
Finney, R. *see* Peel, R.J. 4—59787
Fintinaru, N. The influence of hysteresis on the comparison of interpolation criteria of dynamometers characteristic 4—61548
Fiol, M., Bergada, J., Revuelta, P., Bosch, E. Peformance of a computerized arrhythmia system in the monitoring of a coronary unit 4—49279
Fiol, M.A., Yebra, J.L.A., Alegre de Miquel, I. Line digraph iterations and the (d, k) digraph problem 4—46297
Fiol, R.del *see* del Fiol, R.
Fiorentino, C. *see* Dagnino, C. 4—35383
Fiorentino, E., Saari, A.E. Planning of production reliability stress-screening programs 4—50557
Fioretto, G., Gabrielli, L., Lotito, N., Sposini, M. A hybrid switching system with variable bit rate 4—32597
Fiori, C. Far-ultraviolet laser-induced oxidation at the Si(111) surface by bond rearrangement 4—41999
Fiorini, E., Niinikoski, T.O. Low-temperature calorimetry for rare decays 4—55844
Fiorini, E. *see* Bellotti, E. 4—33635
Fiorini, P. *see* Evangelisti, F. 4—30399
Fiory, A.T. *see* Bean, J.C. 4—46222
Firestone, C.M. Broadcasting and spectral use 4—48546
Fireteanu, V., Matei, M., Stanescu, E. Electromagnetic pumping in the channel induction furnace 4—40606
Firmani, C., Gutierrez, L., Ruiz, E., Bisiacchi, G.F., Salas, L., Paresce, F., Carlson, C.W., Lampton, M. High dispersion spectrophotometry with the MEPSICRON photon counter 4—46778
Firnau, G. *see* Nahmias, C. 4—33816
Firnberg, D. Telecommunications networks 4—32180
Firsin, Yu.A. *see* Onishchenko, V.Ya. 4—56832
Firsov, I.G. *see* Plotnichenko, V.G. 4—37086
Firsov, K.N. *see* Apollonov, V.V. 4—31333
Firstenberg, A. *see* Gilbert, B.K. 4—29986, 4—46541
Firstman, S.I., Vachtsevanos, G.J. Utilizing solar resources in developing countries of the Middle East 4—34265
Firth, E. Micro-electronics measures microohms 4—55522
Firth, R. Business applications of viewdata technology 4—48066
Firth, R. *see* Jepps, S. 4—38016
Firth, W.J. *see* Harrison, R.G. 4—31466
Firtsak, Yu.Yu., Dovgoshei, N.I., Sharkov, V.F., Kurochkina, T.N., Tarnai, A.A., Muchichka, I.I. Multilayer reflecting systems based on vitreous chalcogenides for IR lasers 4—37190
Firtsak, Yu.Yu., Smaga, I.V., Gleba, A.Yu., Dovgoshei, N.I., Migolinets, I.M., Kurochkina, T.N. Design of two-film antireflecting coatings with stable properties 4—59297

Fisanick, G.J. *see* Hopkins, J.B. 4—51937
Fischell, D.R., Coker, C.H. A speech direction finder 4—55117
Fischer, A. Measuring and checking amplifiers by rectangular signals 4—58180
Fischer, A. *see* Englert, Th. 4—51837
Fischer, A. *see* Kunzel, H. 4—36310
Fischer, A. *see* Massey, J.L. 4—43200
Fischer, B.E., Spohr, R. Potential applications of the nuclear track technique 4—30217
Fischer, D. *see* Dirzus, J. 4—58058
Fischer, F., Neppl, F., Oppolzer, H., Schwabe, U. Influence of residual gas composition on lifetime of DC magnetron-sputtered Al-Si metallization 4—36726
Fischer, F.E. *see* Eager, G.S., Jr. 4—62193
Fischer, H. Antenna amplifier for the VHF band 4—41210
Fischer, H. Fast pulse amplifier 4—44695
Fischer, H. EPROM—programmer for the mc-CP/M computer 4—46448
Fischer, H., Reichel, D., Richter, R., Rieck, K.-D., Nather, B., Schreiter, G. Intended connections of the technical colleges in the region of Dresden to the DELTA computer network and envisaged uses 4—48246
Fischer, H. *see* Balley, V. 4—56854
Fischer, H. *see* Boegli, J.-P. 4—43884
Fischer, H.-J. Soviet ignition systems for passenger cars 4—57494
Fischer, J., Wilfert, H.H. Short-term load forecasting in an electrical supply system 4—49562
Fischer, J. *see* Smith, G.C. 4—33686
Fischer, K.C. LEDs as semiconductor-junction transceivers 4—60856
Fischer, M. Main and EMERGENCY OFF switches: attributes, use and selection 4—57242
Fischer, M.J., Garbin, D.A., Swinsky, G.W. An enhanced extension to Wilkinson's equivalent random technique with application to traffic engineering 4—31808
Fischer, M.L. Dallas Sound Lab: the inside story 4—38964
Fischer, P. *see* Comerchero, H. 4—49226
Fischer, P. *see* Rossler, F. 4—47134
Fischer, R., Drummond, T.J., Klem, J., Kopp, W., Henderson, T.S., Parrachione, D., Morkoc, H. On the collapse of drain *I-V* characteristics in modulation-doped FETs at cryogenic temperatures 4—52101
Fischer, R., Klem, J., Morkoc, H., Sun, Y.L., Klein, M.V. Properties of $Al_xGa_{1-x}As/GaAs$ multiple quantum well laser structures grown by molecular beam epitaxy 4—52987
Fischer, R., Sun, Y.L., Masselink, W.T., Klem, J., Klein, M.V., Morkoc, H. Improvements in MBE grown $Al_xGa_{1-x}As/GaAs$ single quantum well structures resulting from dimeric arsenic 4—29478
Fischer, R. *see* Arnold, D. 4—30639, 4—36575, 4—36601
Fischer, R. *see* Drummond, T.J. 4—41868
Fischer, R. *see* Hickmott, T.W. 4—41873
Fischer, R. *see* Klem, J. 4—47358
Fischer, R. *see* Masselink, W.T. 4—51816, 4—58767
Fischer, R.D. *see* Drexler, J. 4—39419
Fischer, R.N. *see* Smith, W.P., Jr. 4—56851
Fischer, U. *see* Arefiev, A. 4—55843
Fischer, W. How to program success in power sources development 4—34820
Fischer, W. Computer aided electrical engineering is economical 4—51619
Fischer, W. *see* Baier, E. 4—51245
Fischer, W.A. Scientific and technical planning in the People's Republic of China 4—45920
Fischer, W.R. Design for assembly 4—45967
Fischetti, J.W. *see* Ernest, C.R. 4—49842
Fischetti, M.A. Photovoltaic-cell technologies joust for position 4—40438
Fischetti, M.A., Adam, J.A., Eisenhut, D.G., Horgan, J. TMI plus 5: nuclear power on the ropes 4—45226
Fischetti, M.V. The importance of the anode field in controlling the generation rate of the donor states at the $Si-SiO_2$ interface 4—51890
Fischetti, M.V. *see* Ricco, B. 4—46878
Fischl, R. *see* Halpin, T.F. 4—45003
Fischl, R. *see* Helferty, J.J. 4—62234
Fischl, R. *see* Heydt, G.T. 4—57737
Fischl, R. *see* Sugisaka, M. 4—60027
Fischow, A., Muller, H. Considering static aperiodical stability limitations in the operation of electrical power grids 4—56545
Fiser, O. An algorithm for computing the distribution of rain attenuation 4—37581
Fiser, R. *see* Cerny, R. 4—40052
Fises, A. *see* Coperchini, C. 4—56991
Fish, R. Electronics and your heart. I 4—61753
Fisheleva, S.B. *see* Bolotov, I.E. 4—58047
Fisher, A. *see* Simcoe, B. 4—58388
Fisher, A.D., Gaynor, E.S., Lee, J.N. Magnetostatic wave devices for the integrated-optical signal processing 4—52731
Fisher, B. *see* Finkman, E. 4—30392
Fisher, C.A. *see* Paxman, D.H. 4—36645
Fisher, C.K. *see* Hankey, D.L. 4—58559
Fisher, C.M. *see* Atkinson, M. 4—61709
Fisher, D.G. Status and prospects for gallium arsenide technology 4—52168
Fisher, G. New technologies bolster electronic ceramics economics 4—46253
Fisher, G.T., Bridge, P. 50 kV electrification of the Tumbler Ridge branch line 4—50180
Fisher, G.T., Furst, G.B. 50 kV electrification of the Tumbler Ridge branch line—conceptual design 4—57483
Fisher, J. Educational television—an overview 4—60982
Fisher, J. *see* O'Donoghue, J.A. 4—61771
Fisher, J. *see* Ushida, N. 4—56030
Fisher, J.C. The medical laser: an indispensable tool of the physician and surgeon 4—39586
Fisher, J.R. Cast leads for surface attachment [leadless IC packages] 4—58670
Fisher, L. *see* Close, A.D. 4—52165
Fisher, L.M. *see* Pan, V.M. 4—37049
Fisher, R.C. *see* Bluethman, R.G. 4—43325
Fisher, R.D. *see* Huber, W.D. 4—30994
Fisher, R.D. *see* Newman, J.J. 4—37016
Fisher, R.K., Degnan, J.R., Wachter, G.F. Rehabilitation and upgrading of existing hydroelectric plants employing new design techniques 4—49801
Fisher, W.A., Chen, S.H., Gwinn, D., Parker, R.R. A fast neutronic spectrometer for D-D fusion neutron measurements at the Alcator C Tokamak 4—33759
Fishman, C. *see* Morel, D.L. 4—50057
Fishman, G., Calecki, D. Electron concentration and buffer-width dependence of Hall mobility in $GaAs-Ga_{1-x}Al_xAs$ multiple-quantum-well structures 4—41876
Fishman, G. *see* Toan Thang, N. 4—51841
Fishman, M.M. Investigation of the duration of the multichannel sequential procedure of signal detection 4—53645
Fishman, W.L. Competing with INTELSAT 4—48435
Fiskind, E.E. *see* Danilov, S.N. 4—40098
Fiskind, E.E. *see* Gudkin, T.S. 4—58711
Fissore, L. *see* Cravero, M. 4—43231, 4—59994
Fister, V. *see* Endlich, G. 4—56574
Fisun, A.I. *see* Bulgakov, B.M. 4—53202
Fisun, V.V. *see* Yanson, I.K. 4—37053
Fitch, N.A.S. Using the Icom IC-730 transceiver with a VHF transverter 4—32692
Fitchen, F.C. A leave in industrial continuing education 4—35196
Fitchett, M. *see* Percival, R. 4—41279, 4—51113
Fitzgerald, C. Robotics in engineering technology 4—35202
FitzGerald, R.J. Teletext network architectures 4—54259
Fitzgerald, R.M. *see* Byrne, C.L. 4—37993
FitzGerrell, R.G. E-fields over ground 4—37618
Fitzgerrell, R.G. A source of *E* and *H* fields for antenna-factor calibration 4—37728
Fitzky, H.G. *see* Ebneth, H. 4—54870
Fitzmorris, T.K., Rosenberg, W.J. Lockheed birefringent filter development 4—52750
Fitzpatrick, D.A. *see* Choi, M.S. 4—58971
Fitzpatrick, G.J. *see* McMenamin, P.G. 4—54066
Fitzpatrick, G.L., Hildebrand, B.P., Boland, A.J. Local critical angle measurements for the examination of materials 4—55781
Fitzpatrick, G.O. *see* Dick, R.S. 4—34947, 4—40495
Fitzpatrick, G.O. *see* Wetch, J.R. 4—40491
Fitzpatrick, J.F., Nobrega, E. Small SCADA system brings big benefits 4—34051
Fitzpatrick, J.M., Grefenstette, J.J., Van Gucht, D. Image registration by genetic search 4—60273
Fitzpatrick, K.J. *see* Kertis, R.A. 4—58336
Fitzpatrick, N., Purser, M., Reilly, P. The performance of a file transfer protocol across packet-switched networks 4—48290
Fitzsimons, M. The high street in your home 4—54216
Fitzwater, M.A. *see* Bahar, E. 4—53197
Fiumani, F. Positive temperature coefficient thermistors as an alternative to fuses 4—51556
Fivian, D.J. Schottky IC forms fast video DAC 4—29939
Fivian, D.J. A versatile single card raster display controller 4—33179
Fiyala, Ya.M. *see* Bartish, L.A. 4—30373
Fjalestad, J. Data communication—some interorganizational aspects 4—60324
Fjiwara, Y., Yamada, S., Wakatsuki, N. Miniaturized $LiTaO_3$ strip resonator 4—30907
Flabbi, L. *see* Bagatta, U. 4—30988
Flach, J.M. *see* Jagacinski, R.J. 4—33166
Flack, W.W., Soong, D.S., Bell, A.T., Hess, D.W. A mathematical model for spin coating of polymer resists 4—58976
Flaherty, A. Marketing cable to the British consumer: some costly lessons from the American experience 4—55037
Flahive, P.G. *see* O'Connor, P. 4—51152, 4—54794
Flairty, C.W. *see* Fink, J.L. 4—49972
Flaisher, H., Tenne, R., Hodes, G. Improved performance of cadmium chalcogenide photoelectrochemical cells: surface modification using copper sulphide 4—45588
Flaisher, H. *see* Tenne, R. 4—41923
Flajolet, P. *see* Mathys, P. 4—48262
Flaksman, A.G. *see* Ermolaev, V.T. 4—37771
Flakus, F.N., Giuliani, P. Technical cooperation for nuclear safety in developing countries 4—56745
Flam, D. *see* Galekovic, B. 4—57870
Flam, R.P. Design rules for adaptive arrays 4—42969
Flam, S.D. Optimality in infinite horizon discrete time models of resource management 4—46161
Flamand, J. *see* Lerner, J.M. 4—47517
Flamant, P. *see* Megie, G. 4—61930, 4—61932
Flamig, E. *see* Beiermann, N. 4—39358
Flamm, D.L. *see* Edelson, D. 4—58873
Flamm, D.L. *see* Ibbotson, D.E. 4—46939
Flanagan, K. *see* Barker, M.R. 4—56077
Flanagan, T.M. *see* Leadon, R.E. 4—30823
Flanders, D.C. *see* Vojak, B.A. 4—52072
Flanders, P.J. The temperature dependence of the reduced anisotropy in magnetic recording particles 4—30984
Flandrin, P. Some features of time-frequency representations of multicomponent signals 4—60141
Flandrin, P., Martin, W. Pseudo-Wigner estimators for the analysis of non-stationary processes 4—37990
Flannaghan, B. A motion detector for display scan conversion 4—43478
Flannaghan, B. *see* Lodge, N. 4—32914
Flannigan, J.B. *see* Williams, J.F. 4—49416
Flasck, R.A., Holmberg, S.H. Active-matrix liquid crystal displays using amorphous silicon thin-film transistors 4—47303
Flatman, A.V. Low-cost local network for small systems grows from IEEE-802.3 standard 4—60504
Flatte, S.M. Principles of acoustic tomography of internal waves 4—56333
Flatz, J. *see* Uhrig, H. 4—40294
Flavill, R.P. *see* Dixon, D.G. 4—33605
Fleck, G.W., Decker, D.K., Graves, J. Automated distribution system management for multichannel space power systems 4—39870
Fleckenstein, K. The early ECG in medical practice 4—61799
Fleckenstein, W., Wegener, K. The Frankfurt model—a 'Rolls Royce' among the telephones 4—43842
Flegal, T. *see* Rode, A. 4—29824
Flegal, W.M., Haney, E.A., Elliott, R.S., Kamino, J.T., Ernst, D.N. Mass production of depressed clad single-mode fiber 4—52636
Flegiel, U., Kretschmer, M. BASIC programs for computing rotary current asynchronous motors with single and double cage rotors 4—34650
Fleig, O., Statoulis, S., Zentgraf, L. On the world's test benches [products for power and automatic control equipment] 4—62646
Fleischer, C.C., Keil, S.G., Paton, A.A. Proof pressure tests of the first reactor vessels at Hartlepool and Heysham nuclear power stations 4—34353
Fleischheuer, H.-P. Selecting a realtime oscilloscope of medium bandwidth 4—61414
Fleischheuer, H.-P. *see* Nestler, R. 4—61431
Fleischmann, H. Inductive cooking—from the idea to the product 4—57588
Fleischmann, H., Seelig, A. Induction cooking—from the idea to the product 4—45754
Fleischmann, H., Seelig, A. Inductive boiling—from the idea to the product 4—45756
Fleischmann, H.H. *see* Taggart, D. 4—33609
Fleischmann, H.H. *see* Taggart, D.P. 4—39380
Fleishman, L.S. *see* Gel'man, M.V. 4—41199
Fleming, I.R. *see* Black, J.L. 4—61845
Fleming, J.F *see* Siddiqui, F.M.A. 4—49599
Fleming, J.S., Ackery, D.M., Walmsley, B.H., Karran, S.J. Scintigraphic estimation of arterial and portal blood supplies to the liver 4—39549
Fleming, J.W. *see* Nagel, S.R. 4—52632
Fleming, M. *see* Holmes, S. 4—48193
Fleming, P.D., Probert, S.D., Arithoppah, S. Design optimisation of cheap power-augmentation devices for a flexible-sail, horizontal-axis wind-turbine 4—62475
Fleming, P.J. *see* Paul, R.J.A. 4—57095
Fleming, R.A. *see* Wong, C.F. 4—39467
Fleming, W. *see* Atkins, M. 4—37109
Flerackers, E.L.M. *see* Janssen, H.J. 4—50349
Flerova, G.A. *see* Grinchenko, V.T. 4—41086
Flesch, U. The application of infrared-sensors in medicine 4—56086
Flesher, G. *see* Hu, J.S. 4—43414
Flesner, L.D. Position and bias dependence of transient radiation effects in GaAs devices 4—30651
Fletcher, A., Mirabella, R. Workstation integrates design's two pillars: the logical and physical 4—51111
Fletcher, A.N. *see* McManis, G.E. 4—34819
Fletcher, D.L. *see* Hobson, E. 4—56513
Fletcher, E.D. *see* Woodbridge, K. 4—52945
Fletcher, H. Liquid resistance starter applications 4—40238
Fletcher, H. Solid state starters and energy saving 4—45574

Fletcher, J. Micronet—one million frames on 4—54197
Fletcher, J. *see* Stover, H. 4—48741
Fletcher, J.H. *see* Lipske, K.R. 4—40909
Fletcher, R.M., Wagner, D.K., Ballantyne, J.M. GaAs light-emitting diodes fabricated on Ge-coated Si substrates 4—42489
Fletcher, S. *see* Deutscher, R.L. 4—34838
Flett, F. Monolithic ADC reads real world signals 4—55362
Fleuret, J.P. Prospective ideas towards optical computing 4—60159
Fleury, G., Hamou, A., Lhermitte, C., Viger, C. Bismuth influence on a-Se film crystallization 4—46827
Fliflet, A.W., Lee, R., Read, M.E. Self-consistent RF field approach for complex cavity gyrotrons 4—36201
Fliflet, A.W. *see* Busby, K.O. 4—36208, 4—41778
Fliflet, A.W. *see* Dialetis, D. 4—36207
Flink, H.G., Lentz, J.W., Morman, W.H., Timbeross, J.K., Verma, D.K. Selective cleaning of metallic surfaces by capacitor-discharged arcing 4—50503
Flink, R. Standards: resource or constraint 4—49284
Flink, R.C. Future directions of cardiac pacemaker research—a survey 4—33880
Flinn, I. *see* Pollock, W. 4—52400
Flint, D. Micronetworks as office systems 4—43812
Flint, E.B., Grebe, K.R., Ho, C.W., Reiley, T.C. Transmission line right angle connector [for Josephson package] 4—52502
Flint, E.B. *see* Arnett, P.C. 4—52205
Flint, E.B. *see* Bickford, H.R. 4—46745
Flint, G. *see* Hanson, A.C. 4—59566
Flis, V.S. *see* Pan, V.M. 4—37049
Flisek, T., Kuleszo, Z. Optimization elements of the structure of the lower area of the national telegraph network 4—43669
Floch, A.le *see* le Floch, A.
Flodin, J. The MILPAK system—packet switching as an integrated service in a defense telecommunication network 4—32612
Floersch, E.A. Short-topology LAN design requires flexible parameters 4—60483
Flogel, K. *see* Lierke, E.G. 4—56375
Flood, J.E. Time-division switching networks 4—60591
Florcik, D., Low, D., Roche, M. Prototype debug using ATE 4—51620
Florek, M., Holy, K., Janiak, R., Melichar, J. ^{3}He proportional chamber for delayed neutron registration 4—44688
Florek, M. *see* Sarka, I. 4—44699
Florence, J.M., Song, J.H. Real time acousto-optic bispectral processor 4—53604
Florens, J.-L. *see* Cadoz, C. 4—44349
Flores, C. *see* Bullo, P. 4—29131
Flores, F., Sanchez-Dehesa, J., Guinea, F. Metal-semiconductor junctions 4—41894
Flores, F. *see* Sanchez-Dehesa, J. 4—36330
Flores, L.N., Hecht, D.L., Johnson, R.V., Sprague, R.A., Steinmetz, D.L., Turner, W.D. Characteristics of the linear array total internal reflection (TIR) electrooptic spatial light modulator for optical information processing 4—42411
Flores, R., Ortiz, L., Moreno, M., Corkidi, G., Solar, A., Briseno, M. Opto-electronic system for automatic track counting in plastic SSNTD 4—55900
Flores-LLamas, H. *see* Jimenez-Dominguez, H. 4—33777, 4—61346
Florin, D.H. *see* Aoki, D.J. 4—32581
Florinskii, V.Yu. *see* Andreev, A.A. 4—30366, 4—30368
Florkowski, W., Kessel, D., Lorenc, J., Mackowiak, M. An analyser of the complex parameters of a short-circuit loop 4—48812
Flos, S.L. *see* Foshko, L.S. 4—40066
Flossmann, W. New developments in temperature and position transducers 4—33291
Flot, R.F., Kent, H.B., McGaffigan, T.H. Shape-memory effect alloys as an interconnection technology for IC packages and PC boards 4—58606
Flouquet, J. *see* von Molnar, S. 4—30383
Floury, Y. *see* le Sergent, C. 4—37157
Flowers, N.C. *see* Peper, A. 4—49199
Floyd, H.L., II Reducing human errors in industrial electric power system operation. I. Improving system reliability 4—62108
Floyd, J.E., Aanstoos, T.A. A new high current laboratory and pulsed homopolar generator power supply at the University of Texas 4—45459
Floyd, K.D., Cook, P.H. Electrical features of the Wallace Dam Pumped Hydro Project 4—45360
Floyd, R.E., Sethares, J.C. MSFVW beam steering and spreading over large path lengths 4—31037
Floyd, R.E. *see* Alewine, N.J. 4—57291
Floyd, R.E. *see* Duffy, D.D. 4—40844
Floyd, R.K. True board connector 4—30208
Floyd, S. *see* Millington, P.F. 4—44613
Fluck, A. The network in action 4—38300
Flugel, W., Weninger, R. Control of inverter-fed asynchronous motors via decoupling networks 4—49894
Flugum, R.W. *see* Fullerton, F.M. 4—49619
Fluhr, J., Marending, P., Wildhaber, A. 8-Mbit/s digital signal transmission using an optical link. The district networks of the Swiss PTT 4—60871
Fluit, J.P.van der *see* van der Fluit, J.P.
Fluxa, F., Carbonell, I.D. Control and supervision to prevent human behavioural deficiencies—organization and methods in the field of operation of the power supply companies 4—50463
Fluyagin, V.A. *see* Luchinin, A.G. 4—36185
Flyagin, V.A., Luchinin, A.G., Nusinovich, G.S. Submillimeter-wave gyrotrons: theory and experiment 4—58690
Flynn, C.M. *see* Reed, F.A. 4—60923
Flynn, E.J. *see* Wilt, D.P. 4—52984
Flynn, E.T. *see* Weathersby, P.K. 4—61828
Flynn, G.T. *see* Dolat, V.S. 4—52408
Flynn, J.A. *see* Baker, D.J. 4—38475
Flynn, M.J., Wilderman, S., Mulvaney, J. The effect of photon transport on the performance of electronic imaging detectors 4—49154
Flynn, W.R. Control panels: from pushbuttons to keyboards to touchscreens 4—61246
Foa', L. *see* Amendolia, S.R. 4—49068
Focardi, E. *see* Amendolia, S.R. 4—49068
Foch, H. *see* Bordry, F. 4—29602
Focht, M.W. *see* Schwartz, B. 4—47464
Fodor, G., Clemente, S. Low-voltage FETs slash on-resistance to boost power density 4—52097
Fodor, L., Hidasi, B., Vecsey, B. Magnetic parameter improvement of manganese-zinc ferrites by additives 4—52465
Foerster, C.L., Briggs, J., Christianson, C., Stattel, P. Evaluation of the colliding beam accelerator first string full cell vacuum system 4—55785
Foerstner, J., Cave, D., Roop, R. Characterization and use of the MOSAIC oxide-isolated process for linear applications 4—59018
Foesch, J.A. *see* Chang, J. 4—33142
Foeth, H. *see* Brand, C. 4—33639
Fofanov, Ya.A. Investigation of striation frequency shifts in the active elements of He-Ne lasers 4—59441
Fogarasi, F. Possibilities of influencing the load and consumption conditions of the low voltage networks; efficiency and costs of the control methods 4—56599
Fogarty, J.D. RC time-out circuit catches noise source lock-up 4—51016
Fogelson, D.J. *see* Lee, L.M. 4—61356
Foggia, A. *see* Marchand, C. 4—35047
Fogleboch, J.R. A high-performance multiple algorithm programmable processor [radar signal processing] 4—54881
Foglein, J. *see* Kittler, J. 4—47896
Foglein, J. *see* Paler, K. 4—60215
Fogler, R.J. *see* Ahmed, N. 4—53750
Fohr, D. *see* Carbonell, N. 4—53572
Fohring, S. *see* Hauenstein, A. 4—46348
Foiles, C.L. *see* Le Xu 4—30364
Foisel, H. *see* Bachus, E.-J. 4—54808
Foit, B. A new method of measuring the moment of inertia [for electric machines] 4—56906
Foit, J. Calculation of the coefficient of nonlinear distortion by means of the TI-58/59 and SHARP PC-1211 calculators 4—60039
Fojut, V. 6502 microcontroller 4—46486
Fokin, Yu.A. A 10/0.38 kV power distribution scheme for towns with multistorey buildings 4—39852
Fokin, Yu.A. Integral characteristics of post-fault conditions in complex systems [power systems] 4—56551
Fokin, Yu.A., Ponomarenko, I.S. A method of calculating the characteristics of load overshoots over long intervals of time 4—45056
Fokin, Yu.A., Ponomarenko, I.S., Pavlikov, V.S. Experimental investigation of probability-statistical characteristics of loads in an electric supply system 4—56408
Fokkema, J.T. *see* Annevelink, J. 4—29594
Fokkema, J.T. *see* van der Meijs, N.P. 4—52188
Folberth, O.G. The influence of large scale integration on the development of digital systems 4—52266
Foldes, J. Phase noise in tuned oscillators. Measurement of phase noise in UHF-VHF frequency range 4—51023
Foldes, P. System considerations related to active antennas 4—31773
Foldman, A. Understanding ferrites 4—47174
Foley, C., Lamb, J. Use a personal computer and DFT to extract data from noisy signals 4—35617
Foley, H. Operations crew cuts costs of installing public phones 4—48310
Folini, G. Multichannel wave form recorders 4—61423
Folkesson, B. *see* Jindra, J. 4—62689
Follinger, T. *see* Walzer, W. 4—55684
Folmsbee, A.C. PROM cell made with an EPROM process 4—35817
Folsom, B.J. *see* Olsen, K.H. 4—35856
Foltyn, E. Real time for computer. Date-clock addition for new possibilities [ZX81] 4—35887
Foltyn, S.R., Newnam, B.E., Jolin, L.J. Laser damage results and analyses for ultraviolet reflectors under multiple-shot irradiation 4—37436
Foltyn, S.R. *see* Newnam, B.E. 4—37437
Fombonne, P. Aircraft navigation 1973-83 [over the North Atlantic Ocean] 4—56254
Fomchenkov, A.P. Finding the reliability of microprocessor relay protection 4—45157
Fomenko, A.F. *see* Balega, Yu.Yu. 4—32986
Fomenko, V.N. *see* Lyapin, E.A. 4—40000
Fomin, A.M. *see* Klimov, I.Z. 4—55193
Fomin, V.V. *see* Bazarov, E.N. 4—42553
Fomin, Yu.N. *see* Lisitsyn, V.N. 4—39522
Fomina, V.N. *see* Sechenov, D.A. 4—30526
Fominykh, Yu.A. *see* Zotov, A.Ya. 4—34800
Fonash, S.J. *see* Climent, A. 4—51872
Fonav, E.A. Effects of pulsed magnetic field on avalanche breakdown in silicon *p-n* junctions 4—30407
Fonav, E.A. Magnetic field and microplasma switch-on probability 4—30408
Fondberg, L., McQueen, D.H. Optothermal measurement of haemoglobin in blood 4—56084
Fondl, M. Power utilities warm to programmable control 4—44994
Foner, S. *see* LeHuy, H. 4—31054
Foner, S. *see* Schwall, R.E. 4—52479
Foner, S. *see* Zaleski, A.J. 4—42305
Fonesca, S.B.de Assis *see* de Assis Fonesca, S.B.
Fong, A.K.S., Smith, M.S. A microstrip multiple beam forming lens 4—59884
Fong, F.-O. *see* Bensaoula, A. 4—41081
Fong, R.K.T., Kazui, K. INMARSAT Singapore coast earth station 4—54664
Fonsale, P. Feature-based speaker-independent word recognition without oral learning 4—59970
Fonseca, J.R., Andrade, V.H.G., Esmeraldo, P.C.V., Dias, L.E.N. Lightning impulse tests on tower models 4—45160
Fonso, M.di *see* di Fonso, M.
Fonstad, C.G. Consideration of the relative frequency performance potential of inverted heterojunction n-p-n transistors 4—30097
Fonstad, C.G., Harton, A., Jiang, Y.-N., Appelman, H. Development of ion-implantation confined, shallow mesa stripe (Pb,Sn)Te/Pb(Te,Se) DH laser diodes 4—59505
Fonstad, C.G. *see* Kanbe, H. 4—42040
Fonstad, G.C. *see* Choudhury, A.N.M.M. 4—52071
Font, J.L. *see* Domingo, C. 4—55859
Font, J.L. *see* Vidal-Quadras, A. 4—55974
Fontaine, C. *see* Siskos, S. 4—46892
Fontaine, J.J. *see* Diels, J.-C. 4—59468
Fontana, B., Diaz Berzosa, C. Stationary queue-length distributions in an M/G/1 queue with two non-preemptive priorities and general feedback 4—47939
Fontao, A.Blazquez *see* Blazquez Fontao, A.
Fonti, S. *see* Blanco, A. 4—59184
Foord, J. Waves of the highway [cellular radio] 4—60691
Foot, B. Ethernet: basic principles 4—43822
Foot, C.J., Baird, P.E.G., Boshier, M.G., Stacey, D.N., Woodgate, G.K. Generation of CW 243 nm radiation and application to laser spectroscopy of the strontium isotopes 4—47510
Foot, N. Automatic repeater access tone 4—43986
Foot, N. muTek TLNA 432u UHF preamplifier 4—46360
Foote, G. Low resolution pulse generator 4—29709
Forbes, C.S. Applications and implications for transactional services 4—54225
Forbes, M.L. Getting to the Source [videotex] 4—48148
Forbes, R.C. *see* Evans, G.A. 4—50727
Forbess, R. *see* Lewis, F.M. 4—56838
Forcer, T.M. A computer-based navigation data-processing system for cableships 4—38753
Forcina, G. *see* Gutpa, R. 4—38568
Ford, A. *see* Gruver, W.A. 4—57759
Ford, D. The managerial side of SMT 4—40758
Ford, D. Automated pick and place systems 4—41694
Ford, D. No cracks at the barrel head? 4—46686
Ford, E. A laser for sawing wood 4—35098
Ford, G. *see* Toms, A. 4—34513
Ford, G.E., Current, K.W. Recursive digital filter implementation with a single multiplier-accumulator 4—30020
Ford, J.L.C., Jr. *see* Hynes, M.V. 4—55845
Ford, J.L.C., Jr. *see* Sjoreen, T.P. 4—61686
Ford, M.L. Future directions in Asian Telecommunications. Deregulation in the UK and its impact on business services 4—60413
Ford, M.R. *see* Lynch, J.T. 4—40865
Ford, R.T. Enhancing electromagnetic compatibility (EMC) on naval ships with radar absorbing material 4—37635
Ford, T.E. Indication and alerting 4—49374
Ford, T.E. A range of civil powerplants 4—56788
Ford, W. Open Systems Interconnection and CSI-RONET 4—54352
Forde, J.E. *see* Adams, J.H. 4—52203
Forde, M.C. *see* Wilson, J.G. 4—58104
Fordemwalt, J.N. *see* Gerber, D.S. 4—42024

Fordyce, S.W. Recent disasters during launch and operations of commercial satellites 4—54665
Foreman, B.J. Ignitors for high pressure sodium lamps 4—50189
Foreman, B.J. *see* Cameron, D.C. 4—46885
Foreman, G.L. *see* Malcolm, J.G. 4—46048
Foreman, T.A. Weathering steel poles selected for 138 kV line 4—56657
Foremski, T. US leads fall in chip prices 4—51264
Foremski, T. Banks gear up for massive spending spree 4—60514
Forest, M.G. *see* Barlow, J.A. 4—32686
Forgacs, R.L. Fractional-volt input power converters for sodium heat engines 4—40341
Forgacs, R.L. *see* Lorusso, J.A. 4—44640
Forghani, B., Lowther, D.A., Silvester, P.P., Stone, G.O. Newton-Raphson finite element programs for axisymmetric vector fields 4—29410
Forghani, B. *see* Mishra, M. 4—31577
Forgie, J.W *see* Weinstein, C.J. 4—32244
Fork, K., Schreurs, C. System measurements as a practical basis for system calculations 4—39960
Fork, R.L. *see* Gordon, J.P. 4—37402
Fork, R.L. *see* Martinez, O.E. 4—37263
Fork, R.L. *see* Yen, R. 4—59578
Forke, K. Combined convertor (transducer) systems—new possibilities for bio-data recording and bio-data processing 4—39506
Forlanini, G. *see* Fabrizi, M. 4—49494
Form, P., Schroer, W. The TCAS-potential for collision risk reduction in the European controlled and uncontrolled airspace 4—33941
Forman, A.V., Rowland, P.J., Pemberton, W.G. Contextual analysis of tactical scenes 4—60166
Forman, A.V., Jr., Moore, M.M., Patton, R., Spiessbach, A.J. Detection of moving vehicles in thermal imagery obtained from a moving platform 4—53826
Formanne, G.C., Karas, G., Nagy, Z., Peterfai, B., Szaloki, I., Zimanyi, I. Experiments with the application of frequency soundings for the study of the fine structure of sedimentary formations 4—33966
Formichelli, A.R., Makhijani, M.P., Scacciaferro, F., Weber, J.C. Non-destructive torsional chip removal 4—30694
Formisano, V. *see* Pedersen, A. 4—44904
Fornaca, S. *see* Neil, G.R. 4—47499
Fornaca, S.W. *see* Edighoffer, J.A. 4—47374
Fornal, F., Nawrot, S. A single phase electronic phase shifter for automatic power system protection laboratory experiments 4—62226
Fornarini, L., Stirpe, F., Cardarelli, E., Scrosati, B. Photoelectrochemical behaviour of n-type $CdIn_2Se_4$ semiconductor electrodes in polysulphide electrolytes 4—40460
Fornarini, L. *see* Scrosati, B. 4—50055
Fornel, B.de *see* de Fornel, B.
Fornel, B.De *see* De Fornel, B.
Fornel, F.de *see* de Fornel, F.
Fornel, F.De *see* De Fornel, F.
Forner, H. Office communications: architecture and systems 4—54089
Forneris, J.L., Forney, G.B., Cavanagh, R.A., Hrebin, G., Jr., Blouse, J.L. Implant processes for bipolar product manufacturing and their effects on device yield 4—36818
Fornetti, G. *see* Bartolini, L. 4—59425
Forney, G.B. *see* Forneris, J.L. 4—36818
Forouhar, S., Betts, G.E., Chang, W.S.C. Effects of water vapor on modes in Ti-indiffused $LiNbO_3$ planar waveguides 4—52546
Forrest, G.T., Wall, D., O'Connell, J. Recent advances in lead salt laser technology and the implications for gas analysis 4—59669
Forrest, G.T., Wall, D.L. Automated tunable diode laser monitoring systems 4—61187
Forrest, J.R. Active phased arrays for multi-beam Earth coverage 4—42963
Forrest, J.R. Opto-electronics in practice and promise 4—60853
Forrest, L. Systems analysis of flywheels in automotive applications 4—40572
Forrest, R.T. 800 MHz mobile radio propagation tests in the Pittsburgh area 4—60717
Forrest, S.R. Gain-bandwidth-limited response in long-wavelength avalanche photodiodes 4—31233
Forrest, S.R. Gain-bandwidth-limited response in long-wavelength avalanche photodiodes 4—52807
Forrest, S.R. Minitutorial: detectors and receivers 4—52810
Forrest, S.R., Deimel, P.P., Glacet, J.-Y., Logan, R.A. Narrow spectral width surface emitting LED for long wavelength multiplexing applications 4—59357
Forrest, S.R., Kaplan, M.L., Schmidt, P.H. Organic-on-inorganic semiconductor contact barrier diodes. I. Theory with applications to organic thin films and prototype devices 4—30591
Forrest, S.R., Kaplan, M.L., Schmidt, P.H. Organic-on-organic semiconductor contact barrier diodes. II. Dependence on organic film and metal contact properties 4—51830
Forrest, S.R. *see* Panock, R. 4—54756
Forrest, S.R. *see* Tu, C.W. 4—46221, 4—51920
Forsdyke, J.K. A modern marine weather station 4—39712
Forsey, R.J. *see* Shoamanesh, A. 4—32764
Forster, A., Kwon, H., Boehm, F., Henrikson, H. A Xe TPC for studies of double beta decay 4—33636
Forster, E.O. The metal/liquid interface: The charge injection process 4—30452
Forster, E.O. An analysis of the events leading to electrical breakdown of an electrical oil while being tested in the laboratory 4—59088
Forster, F.K., Olerud, J.E., Gow, E.L. Tissue characterization of skin utilizing high ultrasonic frequencies 4—56178
Forster, H. *see* Schiller, S. 4—45793
Forster, J.S. *see* Baker, S.I. 4—33727
Forster, M. *see* Haberger, K. 4—41977
Forster, O., Sittnik, G., Stucker, W. Traction rectifier substations in modular construction 4—34728
Forster, T. E-beam postexposure of a photoresist to improve resistance against electrolyte attack 4—31067
Forster, T., Oosenbrug, A., Vettiger, P. Planar area definition using two-level self-aligned insulation scheme 4—31066
Forsyth, E.B. The Brookhaven superconducting underground power transmission system 4—45123
Forsyth, E.B. The 60 Hz performance of superconducting power transmission cables rated for 333 MVA per chase 4—62207
Forsyth, P.A. *see* Fulford J.A. 4—42852
Forsyth, P.A. *see* Lyon, G.F. 4—37577
Forsyth, R. Lithium and alkaline portable power 4—40375
Forsythe, D. *see* Simcoe, B. 4—58388
Forsythe, R.E. A 140/220 GHz radiometer for airborne imaging 4—39747
Fort, B., Picat, J.P., Cailloux, M., Mauron, N., Dreux, M., Fauconnier, T. The astronomical use of a CCD device in a cinematographic mode 4—55226
Fort, E.M. *see* Raghava, R.S. 4—35517
Forte-Poisson, M.A.Di *see* Di Forte-Poisson, M.A.
Forteza, J.F. *see* Etayo, A. 4—49274
Fortier, M., Corinthios, M.J. A floating-point multiple data stream digital signal processor 4—37917
Fortier, S. *see* Shapira, J.-P. 4—61727
Fortin, E., Charbonneau, S., Meikle, S., Roth, A.P. Photovoltaic study of the substrate-layer interface for Sn-doped GaAs grown by metalorganic vapor phase epitaxy 4—51832
Fortin, E. *see* Sears, W.M. 4—50835
Fortin, J., Sarmiento, H.G., Mukhedkar, D. Determination of a substation ground impedance with high current injection: measurement and analysis 4—34242
Fortin, J. *see* Sarmiento, H.G. 4—56701, 4—56709
Fortmann, C. *see* Bube, R.H. 4—41835
Fortuin, J.B. Coal-liquid mixtures—possibilities and expectations 4—49659
Fortul', B.M. *see* Panasyuk, D.I. 4—40307
Fortuna, L., Gallo, A., La Cava, M. The use of numerical simulation to verify the efficiency of new PWM strategies for the feedback control of a DC motor drive 4—34688
Fortuna, L., Gallo, A., La Cava, M., Barbarino, A. Modelling analysis of solar energy systems 4—34503
Fortuna, L. *see* Consoli, A. 4—57027
Fortunato, G., D'Amico, A., Coluzza, C., Sette, F., Capasso, C., Patella, F., Quaresima, C., Perfetti, P. Detection of hydrogen induced Schottky barrier modulation in $Pd/SiO_x/a$-Si:H diodes by photoemission with synchrotron radiation 4—36338
Fortunato, G. *see* D'Amico, A. 4—33229
Forward, R.L. Roundtrip interstellar travel using laser-pushed lightsails 4—44894
Forward, R.L. Extracting electrical energy from the vacuum by cohesion of charged foliated conductors 4—59722
Fos, D. The development of videotex and its applications 4—38253
Fos, D. Better management of the enterprise with Teletel 4—54199
Foshko, L.S., Larionov, V.F., Flos, S.L., Drug, F.I. Efficient operation of the 800 MW gas-fuel oil unit and its adjusting range 4—40066
Fosnight, R.M. *see* Fosnight, V.V. 4—61857
Fosnight, V.V., Fosnight, R.M. Nodal crossing changes for Sun synchronous satellites with solar electric propulsion 4—61857
Foss, R.C. *see* Silburst, A.L. 4—30619
Fosseprez, M. *see* Davio, M. 4—53436
Fossi, M. *see* Giuli, D. 4—54864
Fossi, M. *see* Glerardelli, M. 4—54863
Fossum, E.R., Barker, R.C. Charge-packet-initiated switching of metal-tunnel-oxide-silicon (MTOS) junctions 4—36600
Fossum, J.G. *see* Lim, H.-K. 4—36586
Foster, A. Microelectronics and power 4—49951
Foster, B.J. *see* Dynys, J.M. 4—46741
Foster, E.N. Design and construction of hydro electric generators 4—45348
Foster, G.G. Digital disk optics 4—55050
Foster, G.W. *see* Jones, T.W. 4—55811
Foster, M.J. A laser-programmable chip for language recognition 4—30779
Foster, M.J. ET: a laser-programmed language recognizer chip 4—46440
Foster, R.A. *see* Cabezas, R.A. 4—51573
Foster-Pegg, R.W., Davis, J.S. Coal-fired air turbine cogeneration system 4—56855
Fothergill, J.C. *see* Dissado, L.A. 4—59058
Foti, S.J., McGahey, D.D. Diagonal horn improves anechoic chamber tests 4—59862
Fotopoulos, S., Deliyannis, T. Active *RC* realization of high-order bandpass filter functions by cascading biquartic sections 4—51421
Fotouhi, B. *see* Gregorian, R. 4—54503
Fotouhi, B. *see* Triboulet, R. 4—29456
Fouad, A.A. *see* Vittal, V. 4—44959
Fouad, A.A. *see* Zhenenko, G.N. 4—44999
Fouad, F.A. *see* Demerdash, N.A. 4—57064
Fougere, P.F. On the accuracy of maximum entropy spectral analysis of power-law processes: simulation studies and application to geophysical data 4—37976
Foulk, P.W. CAD in electronics 4—41153
Foulk, P.W. *see* Heath, F.G. 4—58973
Foulkes, E.J. *see* Rumsby, D. 4—30350
Fouquet, M.P. *see* Billot, M. 4—29245
Fourgeot, C. Videotext and databanks 4—48071
Fournier, D. *see* Chase, R.L. 4—39426
Fournier, J.F., Hamelin, J. Problems of aircraft navigation at the North Pole. II 4—56246
Fournier, R. *see* Pian, G. 4—29409
Fourrier, M. *see* Belland, P. 4—52874
Fousch, R.J. Reliability prediction program for microcomputer systems 4—29291
Fowler, A.B. *see* Hartstein, A. 4—52131
Fowler, A.B. *see* Reisinger, H. 4—51903
Fowler, A.M. *see* Dereniak, E.L. 4—33150
Fowler, C.M. *see* Kerrisk, J.F. 4—37556
Fowler, C.M. *see* Peterson, D.R. 4—42788
Fowler, G.J. Electricity tariffs for private generation 4—34078
Fowler, J.B. *see* Schaefer, A.R. 4—33606
Fowler, P.H., Brent, D.A., Sidio, G.J. Predicted and actual high voltage failure—a case history 4—29309
Fowler, T.K. Tandem mirror fusion program 4—33581
Fowlis, D.C. *see* Diodato, P.W. 4—35873
Fowness, D.R. Linear to log convertor 4—41533
Fox, A.M. *see* Miller, A. 4—47506
Fox, B. The sound of TV pictures 4—38760
Fox, B.L. Counterparts of variance reduction techniques for quasi-Monte Carlo integration 4—40914
Fox, D. Specifying lighting and cabling trunking 4—45143
Fox, D. Five go off to (computer) camp 4—45866
Fox, G.L. Marine riser fatigue analysis using wave-variance spectra 4—61987
Fox, J., Jamieson, S. Review of architectures and their interaction with system performance and design methodology 4—46516
Fox, J., Jolicoeur, A. New stator laminations—decision factors 4—40308
Fox, J.D., Khuri-Yakub, B.T., Kino, G.S. High-frequency acoustic wave measurements in air 4—56361
Fox, J.R. Performance prediction with the MacPitts Silicon Compiler [for VLSI circuit synthesis] 4—52262
Fox, J.W. *see* Gates, H.M. 4—38168
Fox, L. *see* Felch, K. 4—36198
Fox, L. *see* Jory, H. 4—36188
Fox, M. *see* Stannard-Powell, S.J. 4—52684
Fox, M.A. *see* Kamat, P.V. 4—50023
Fox, R. Technology is a top event at the Olympics 4—47954
Fox, R.F., James, G.E., Roy, R. Laser with a fluctuating pump; intensity correlations of a dye laser 4—37339
Fox, R.M. *see* Jaeger, R.C. 4—29858
Fox, S. *see* Lonergan, J. 4—54840
Fox, T. *see* Parkinson, D. 4—33928
Fox, T.N. *see* Butcher, P.M. 4—38437
Fox, W.E., Cummings, C.E., Davidson, R.F., Parker, J.V. Mechanical design aspects of the HYVAX railgun 4—42787
Foxall, T., Driessen, P. Data modem for VHF/UHF mobile radio applications 4—54501
Foxwell, J. A novel variable monostable circuit 4—51035
Foy, P.W. *see* Capasso, F. 4—37225, 4—52791
Fraas, L.M., Cape, J.A., Partain, L.D., McLeod, P.S. High efficiency concentrator solar cells 4—50076
Fradkin, E.E. *see* Kosmina, M.A. 4—47482
Fradkin, E.E. *see* Shpak, I.V. 4—31418
Fraenkel, A.S. Wythoff games, continued fractions, cedar trees and Fibonacci searches 4—35360
Fraenkel, Z. *see* Breskin, A. 4—39428
Fragnon, M. *see* Meslage, J. 4—52786
Frahm, R.E. *see* Chin, B.H. 4—51779
Fraia, L.Di *see* Di Fraia, L.
Fraile, J., Fraile, M., Rabago, G., Moreno, J. IPRO system of patients with cardiac prosthesis 4—49321
Fraile, M. *see* Fraile, J. 4—49321
Frair, L.C. *see* Rahman, S. 4—49493

Fraire, C. The choice of a good diode for fast switching 4—29623
Frame, J.D. Tax considerations in R&D planning 4—40762
France, P.W., Carter, S.F., Williams, J.R., Beales, K.J., Parker, J.M. OH-absorption in fluoride glass infrared fibres 4—47253
Franceschetti, D.R. *see* 't Lam, R.U.E. 4—37205
Franceschetti, G. Sampling and sampling-like techniques in field representation 4—42927
Franceschini, R. *see* Taccardi, B. 4—49235
Francesconi, R. *see* Dario, P. 4—48892
Franchi, M. *see* Bellazzini, R. 4—49089
Francis, C.R. The ERS-1 radar altimeter 4—44172
Francis, J. *see* Bellchambers, W.H. 4—53987
Francis, T.J.G. *see* Freeman, T.J. 4—39727
Franck, E. Forests and electricity: balance of interests between ecology and economy 4—39766
Franck, J.B., Keller, P.N., Swing, R.A., Silberberg, G.G. Process for producing laser-formed video fiducials and reticles 4—53123
Franco, E. *see* Ferratini, G. 4—56886
Franco, F., Sander, M. Thermal design of ISO payload dual cooling system (LH2-HeII) 4—44811
Franco, M. *see* Kindelan, M. 4—49270
Francois, C. *see* Gyimothy, K. 4—56676, 4—62243
Francois, P.L., Alard, F., Bayon, J.F., Etzkorn, H., Heinlein, W.E. Comment on 'Low-dispersion single-mode silica fibre with undoped core and three F-doped claddings' [and reply] 4—59210
Francois, P.L., Bayon, J.F., Alard, F. Design of monomode quadruple-clad fibres 4—59211
Francois, R.E., Wen, T. Use of acoustics in localizing under-ice oil spills 4—61991
Francombe, M.H. *see* Farrow, R.F.C. 4—46223, 4—50761
Frangoulis, E.D., Turner, L.F. Adaptive differential pulse-code modulation with adaptive bit allocation 4—53467
Frank, D., Sack, L. Transformer circuit for the drive of power transistors 4—35611
Frank, F., Bailer, P., Beck, O., Bowering, R., Hofstetter, A. Instrumentation for the surgical application of the Nd:YAG laser 4—49301
Frank, F.W. *see* Duff, W.G. 4—59815
Frank, F.W. *see* Nordgard, J.D. 4—37674
Frank, G. 3UL2 Earth-leakage relay and summation current transformer 4—56674
Frank, G. Essential requirements for the use of compact stations 4—62359
Frank, G.A. Precision foil resistors 4—30126
Frank, H. Local area networks: business considerations 4—54369
Frank, J. *see* Bolton, R. 4—55816
Frank, J.A., Altseimer, J.H., Nochumson, D.H. Fuel cell propulsion systems for small transportation vehicles 4—40569
Frank, J.A. *see* Altseimer, J.H. 4—40570
Frank, K. Tourism agencies, bookings and travel 4—54296
Frank, L.E. *see* Beresford, R. 4—42152
Frank, M. *see* Beer, M. 4—61282
Frank, M. *see* Cech, F. 4—56827
Frank, M. *see* Stahl, H. 4—48245
Frank, R., Macsek, F., Ueberhuber, C.W. Asymptotic error expansions for defect correction iterates 4—35443
Frank, R.A. Business and data communications 4—38144
Frank, S. *see* Rehmann, D.W. 4—39672
Franke, D. *see* Schmitt, F. 4—52066
Franke, H. Self-developing photoetching of organic films by near UV radiation 4—47232
Franke, H. Safe current supplies are unthinkable without stationary batteries 4—50035
Franke, H., Schmidt, B., Schuppe, W.-D. The JICABLE 84 Conference on synthetic insulation of power cables 4—56618
Franke, J. Using the decision theory concept to develop hierarchical classifiers 4—38083
Franke, J.M. Throw in TV [helical antennas design] 4—37732
Franke, S.J., Liu, C.H., Fang, D.J. Multifrequency study of ionospheric scintillation at Ascension Island 4—47612
Frankel, D. *see* De Sabata, I. 4—59690
Frankel, P.J. The benefits and applications of a shared, intelligent network 4—32447
Frankel, R. Tailoring a CSMA local network to research needs 4—60476
Frankenstein, P.A. Land station and mobile station equipment for a cellular system application 4—60733
Frankland, P.B. Self contained modular power and control centres 4—50486
Franklin, A.R. *see* Ward, R. 4—36665
Franklin, C.L. *see* Nakamoto, F.S. 4—47639
Franklin, G. Keyboard auto-repeat circuit 4—30047
Franklin, J.C., Van Housen, R.L. Cogeneration considerations in the pulp and paper industry 4—62885
Franklin, L. *see* D'Aoust, J. 4—42799
Franklin, W.R. Software engineering lessons for VLSI design methodology 4—52250
Frankot, R.T. SAR image registration by multiresolution correlation 4—53833
Franks, C.I., Lydon, M. The use of a fast Fourier transform signal processing integrated circuit for Doppler blood flow studies 4—56085
Franks, C.P. *see* Brackett, W.E. 4—57530
Franquello, L.G. *see* Freire, E. 4—41174
Fransen, A., Wrigge, S. Calculation of the moments and the moment generating function for the reciprocal gamma distribution 4—46179
Fransen, L. *see* Mikhael, W.B. 4—43328
Fransson, K. *see* Eek, L.O. 4—49069
Franta, W.R., Heath, J.R. Measurement and analysis of HYPERchannel networks 4—38304
Franta, W.R., Heath, J.R. Hyperchannel local network interconnection through satellite links 4—48420
Frantsesson, A.V. *see* Zatykin, A.A. 4—42390
Frantz, T., Gentile, T.J., Ihara, S., Simons, N., Waldron, M. Load behavior observed in LILCO and RG&E systems 4—45000
Franz, A.F., Franz, G.A., Selberherr, S., Markowich, P. The influence of various mobility models on the iteration process and solution of the basic semiconductor equations 4—36612
Franz, A.F. *see* Franz, G.A. 4—36508
Franz, A.K. *see* Sanger, G. 4—49344
Franz, G.A., Franz, A.F., Selberherr, S., Markowich, P. A quasi three dimensional semiconductor device simulation using cylindrical coordinates 4—36508
Franz, G.A., Stoisiek, M. Turn-off behaviour of GTO's: 2-D numerical results compared to IR-radiation patterns 4—36644
Franz, G.A. *see* Franz, A.F. 4—36612
Franz, W. *see* Speidel, R. 4—30245
Franzen, D.L. *see* Chamberlain, G.E. 4—38652
Franzen, D.L. *see* Phelan, R.J., Jr. 4—61380
Franzon, A. *see* Heyer, D.W. 4—56755
Franzone, P.C., Guerri, L., Magenes, E. Oblique double layer potentials for the direct and inverse problems of electrocardiology 4—49202
Fraser, A.G. Perspective on LAN architecture 4—54418
Fraser, A.G., Morgan, S.P. Queueing and framing disciplines for a mixture of data traffic types 4—47934
Fraser, B., Clewley, B., Neugebauer, F. Operators' panels and displays. Control at your fingertips 4—39061
Fraser, D.B. Metallization 4—42126
Fraser, D.F. High-speed adaptive digital filtering based on the residue number system 4—35979
Fraser, D.L., Jr. *see* Bayruns, R.J. 4—58275
Fraser, G.W. X- and γ-ray imaging using microchannel plates 4—39500
Fraser, G.W., Barstow, M.A., Pearson, J.F., Whiteley, M.J., Lewis, M. The soft X-ray detection efficiency of coated microchannel plates 4—61678
Fraser, G.W., Pearson, J.F. Soft X-ray energy resolution with microchannel plate detectors of high quantum detection efficiency 4—33664
Fraser, G.W. *see* Whitely, M.J. 4—61679
Fraser, H.L. *see* Konitzer, D.G. 4—31545
Fraser, J.S. Subharmonic buncher for the Los Alamos free electron laser oscillator experiment 4—47488
Fraser, J.S. *see* Sheffield, R.L. 4—47373
Fraser, J.S. *see* Warren, R.W. 4—47371
Frassek, B. *see* Drews, P. 4—33484
Frasunyak, V.M. *see* Gluzman, N.G. 4—30398
Fratello, V.J., Wolfe, R., Blank, S.L., Nelson, T.J. High Curie temperature drive layer materials for ion-implanted magnetic bubble devices 4—30973
Fraternali, M. *see* Conta, C. 4—56031
Fratnik, M. *see* Shapiro, L. 4—33006
Fratta, L. *see* Borgonovo, F. 4—53960
Frauenglass, E., Moran, J., Batson, R. New adhesives speed heat removal 4—45974
Frausto S., J., Naredo, J.L., de la Rosa, R. Introduction to the modern techniques of transmission systems transient calculation 4—45065
Fray, J.M., Glaize, C., Sol, C. A DC-DC convertor with intermediate HF stage using asymmetric thyristors 4—34782
Fray, R.R. *see* Berger, R.E. 4—34479
Frazier, G.R., McDonald, B.S. Digital data separator with memory 4—51376
Frazier, M.E. *see* Kaune, W.T. 4—56207
Frazier, M.J., Dabkowski, J. Powerline longitudinal electric fields—measurement and prediction 4—39255
Freakes, A. Materials and processes for surface mounting 4—58618
Frecon, L. *see* Boutemy, J.C. 4—54844
Freda, C. *see* Camensig, C. 4—49501
Frederick, N.V. *see* Phelan, R.J., Jr. 4—61380
Fredericks, E.C., Katz, S.M., Mueller, R.P., Via, G.G. Electrostatic dust collection in a photolithographic mask projection tool 4—51956
Fredericks, K.J. Circuit for backup control of power thermal control system 4—46334
Frederickson, G.N. Recursively rotated orders and implicit data structures: a lower bound 4—35379
Fredricks, D.A. An algebraic method to determine if a point is on a spline 4—35419
Fredricks, R.J. IEEE—more than a technical society 4—50318
Fredricks, R.J., Ulrich, R. Phase error bounds of fibre gyro with imperfect polariser/depolariser 4—31116
Fredrickson, J.E., Waddell, C.N., Spitzer, W.G., Hubler, G.K. Effects of thermal annealing on the refractive index of amorphous silicon produced by ion implantation 4—41827
Fredrickson, J.E. *see* Hubler, G.K. 4—41970
Fredricsson, S. Shopping optics: a comparative guide to coaxial versus fiber technologies 4—32792
Fredriksson, K. *see* Alden, M. 4—53054
Fredriksson, K.A., Hertz, H.M. Evaluation of the DIAL technique for studies on NO_2 using a mobile lidar system 4—39702
Free, W.R., Clark, D.E. Management and design guidance for EMR hardening 4—37645
Freed, C., Bielinski, J.W., Lo, W. Programmable, secondary frequency standard based infrared synthesizer using tunable lead-salt diode lasers 4—61563
Freed, G.A., Hirshorn, M.S. Manufacturing of medical equipment in Australia 4—61748
Freeden, W., Reuter, R. Exact computation of spherical harmonics 4—41006
Freedman, D.H. Searching for a successor to the transistor 4—29311
Freedman, D.H. The AT&T breakup: and then there were 7 4—32167
Freedman, H.B. Early electronic printing networks 4—32286
Freedy, A. *see* Madni, A.M. 4—61951
Freeman, A.J., Wimmer, E., Chubb, S.R., Hiskes, J.R., Karo, A.M. Cs/transition metal composite surface: first principles calculations of High Z, low work function systems 4—44680
Freeman, E.M. *see* Bryant, C.F. 4—29384
Freeman, E.M. *see* El-Markabi, M.H.S. 4—40207
Freeman, G.H. The design of time-invariant trellis source codes 4—37876
Freeman, H.L. A user's view of international communications 4—60373
Freeman, J.G. Laser-based manufacturing 4—53130
Freeman, J.P. The evolution of high-definition television 4—48592
Freeman, J.W. *see* McGrath, R.D. 4—37229, 4—39082
Freeman, L.B., Incerto, R.J. Current switch-emitter follower compatible long delay circuit 4—35992
Freeman, L.B., Incerto, R.J., Pennings, J.P. In-phase and out-phase push-pull latch off-chip driver 4—35916
Freeman, M. *see* Kaplinsky, C. 4—58413
Freeman, M.H. *see* Palmer, J.M. 4—52751
Freeman, R.R. *see* Pokor, J. 4—59589
Freeman, T.J., Carlyle, S.G., Francis, T.J.G., Murray, C.N. The use of large-scale penetrators for the measurement of deep-ocean sediment properties 4—39727
Freeman, W. 16-bit CMOS ADC sidesteps traditional performance trade-offs 4—35878
Freeman, W. TTL-to-RS-232 adapter needs no separate negative voltage supply 4—46595
Freeman, W. FIFO eases ADC-to-UART interface 4—60507
Freeman, W. *see* Grandbois, G. 4—35881
Freemen, J.E. *see* Hayashide, Y. 4—33681
Freemerman, R.L., Rider, R.L. Update on TMI 2. Preparing for the reactor head lift 4—56775
Freeouf, J.L. *see* Pettit, G.D. 4—50766
Freese, B.A., Buller, G.L. A method for extracting SPICE2 junction capacitance parameters from measured data 4—52208
Freese, R.P. *see* Gardner, R.N. 4—47311
Freese, R.P. *see* Lu, S. 4—47233
Freestone, W.E. Displays used in flight simulation 4—33931
Fregil, F., Schneider, B. Do you dare to use CMOS under damp operating conditions? 4—59025
Frei, J.K., Tomeski, E.A. The state of the art of computerized tomography: advances in medical imaging 4—44742
Freiberga, L.A. *see* Bekeris, Yu.Ya. 4—58808
Freibergs, E. *see* Horn, R.E. 4—36042
Freiburger, G. *see* Irmler, R. 4—58115
Freidlaender, F.J. *see* Takayasu, M. 4—37552
Freidlander, B. *see* Smith, J.O. 4—60061
Freidman, H. Telecommunications [computer communications hardware and software] 4—43790
Freidrich, M. Ion-optical investigations of the acceleration of heavy ions in the EGP-10-1 tandem generator 4—33604
Freik, D.M., Chobanyuk, V.M., Shperun, V.M., Pavlyuk, M.F. Physicochemical characteristics of the 'hot-wall' method for obtaining $(SnTe)_{1-x}(PbSe)_x$ films 4—29527
Freilikher, V.D. *see* Kukushkin, A.V. 4—37580, 4—42864
Freire, E., Franquello, L.G., Aracil, J. Periodicity and chaos in an autonomous electronic system 4—41174
Freitas, D.A., Current, K.W. A simple high-gain CMOS voltage comparator circuit 4—59030
Frekers, D. *see* Kutschera, W. 4—33761

Fremlin, J.H. *see* Petoussi, N. 4—55929
Fremouw, E.J., Secan, J.A. Modeling and scientific application of scintillation results 4—47611
French, E.P., Mills, M.W., Backovsky, Z. Optical, thermal, and electrical performance of low-CR solar arrays 4—40466
French, H.T. Customization of a microcomputer chip 4—58385
French, J.E. *see* Corradi, A.R. 4—30991
French, K. A four-language computer utilization course 4—40753
French, R.H. *see* Lee, J.S. 4—53372
French, R.H. *see* Miller, L.E. 4—43955
French, R.L. Automated mobile field-monitoring system for emergency response 4—62759
French, T.P. International telecommunications services and the business user 4—32155
Frenkel, A. On the approximation of a curved array by a continuous source 4—37724
Frenkel, A., Kol, Y. A novel directivity formula for planar wire-antennas 4—37723
Frenken, J.W.M. *see* van Loenen, E.J. 4—51861
Frensch, K.J. Evolutionary development of the public communications networks in the Federal Republic of Germany 4—43589
Frensley, W.R., Bayraktaroglu, B., Campbell, S.E., Shih, H.D., Lehmann, R.E., Williams, R.E. Microwave operation of a gallium arsenide vertical MESFET 4—58547
Frentzel, R. Protection against under- and over-voltages in supply line 4—39948
Freon, G. *see* Wardrip, C. 4—39331
Frerichs, E., Pownug, R. The TN TC 40 executive systems 4—43843
Freris, L.L. *see* Alegria, C.M. 4—62617
Freris, L.L. *see* Tsitsovits, A.J. 4—34457
Fretts, W.D. VLSI video sub-system for consumer videotex and teletext applications 4—54258
Freude, W., Ashley, J.R., Bailey, T.A., Rast, G.J., Jr. Comments on 'The measurement of noise in microwave transmitters' [and reply] 4—44606
Freudenreich, K. *see* Anderson, L. 4—55989
Freund, A. Motor control—the solid state of the art 4—34733
Freund, A. Superior office lighting—an unusual approach 4—35036
Freund, A. Computerizing building distribution area 4—49595
Freund, H.P. Nonlinear analysis of free-electron laser amplifiers with axial guide fields 4—29687
Freund, H.P. Nonlinear simulation of Raman free-electron lasers with axial guide fields 4—52837
Freund, H.P., Ganguly, A.K. Three-dimensional theory of the ubitron in the collective regime 4—30262
Freund, H.P., Ganguly, A.K. Three-dimensional theory of the Raman free-electron laser 4—52838
Freund, H.P., Johnston, S., Sprangle, P. Free electron lasers with a realizable wiggler and axial guide field 4—31280
Freund, H.P. *see* Ganguly, A.K. 4—36226, 4—37274, 4—59380
Freund, H.P. *see* Gold, S.H. 4—31274, 4—31279, 4—52835, 4—59382
Freund, H.P. *see* Jackson, R.H. 4—37275
Freund, J.F. The Navy's long-range deep ocean technology planning 4—61983
Freund, P., Lawson, S. The development of a refrigeration compressor for domestic heat pump application 4—50236
Freundel, P. Power MOSFETs or bipolar transistors? 4—30624
Frewin, K. Amorphous metal cores 4—49922
Frewin, K. Liquid synthetic ester in transformer construction 4—62570
Frewin, L.F., Prince, S.E., Sanders, W. Sidewall and dimensional inspection of glass containers 4—55221
Frey, C. *see* Hayes-Roth, F. 4—50398
Frey, D.J., Ehrlich, S. Atmospheric fluidized-bed coal combustion for electric utility applications 4—62398
Frey, F. *see* De Mesmaeker, I. 4—45124
Frey, H. *see* Turos, A. 4—51798
Frey, J. *see* Faricelli, J. 4—36895
Frey, M. *see* Thoma, H. 4—49316
Frey, O. *see* Lutz, M. 4—39006
Frey, P., Gabillard, B., Rocchi, M. 0.25 mW, 1.9 GHz, GaAs T flip-flops 4—29820
Frey, P. *see* Townsend, D. 4—39528
Frey, R., Pradere, F. High-efficiency pulse compression with intracavity Raman amplifiers 4—52853
Frey, R.W., Harney, R.C., Layne, C.R. Laser imaging radar sensor (LIRS) 4—54893
Freydorf, E.von *see* von Freydorf, E.
Freyer, J. *see* Zhang, X. 4—36036
Freyer, J.L., Perlmutter, R.J., Goodman, J.W. Digital holography: algorithms, E-beam lithography, and 3-D display 4—59621
Freymuth, C. *see* Finegold, L. 4—58289
Freysz, E. *see* Couillaud, B. 4—37335
Frezza, W. The broadband solution-metropolitan CATV networks 4—54247
Frick, N. *see* Wilson, D. 4—29826
Fricke, H.D. *see* Allemann, R.T. 4—49772
Fricke, J.R. Geophysical applications of satellite data communications 4—32736
Frid, A.V. *see* Prokof'ev, V.E. 4—41173
Fridkin, V.M., Rodin, A.I. Mobility of nonthermalized carriers in the cubic piezoelectric zinc sulfide 4—51787
Fridman, I.D. Graph-analytical determination of the dispersion of symmetric unimodal distributions 4—33077
Fridman, L.A. *see* Fedorishcheva, E.E. 4—35544
Fridman, P.A. *see* Dravskikh, A.F. 4—54920
Fridman, P.A. *see* Levina, M.D. 4—54921
Friebele, E.J., Askins, C.G., Gingerich, M.E., Long, K.J. Optical fiber waveguides in radiation environments. II 4—37112
Friebele, E.J., Askins, C.G., Long, K.J., Gingerich, M.E. Radiation effects in optical communications systems: fibers exposed at low dose rates and Selfoc lenses 4—52673
Fried, A., Sams, R., Berg, W.W. Detection of HCl at the sub-parts-per-billion level using tunable diode laser absorption 4—61919
Fried, V. *see* Cerny, R. 4—40052
Friedberg, H. The insulated gate transistor 4—30626
Friedel, H.N., Radeschi, D.C., Schroeder, P.S., Zapata, R.N. Centralizing transmission operations for the central office 4—32561
Frieden, B.R. Some statistical properties of the median window 4—43436
Friedgut, M. Transfer function analysis of phased array systems 4—37722
Friedl, W.A. *see* Moore, P.W.B. 4—54906
Friedlaender, F.J. *see* Hwang, J.Y. 4—31619
Friedlaender, F.J. *see* Nyenhuis, J.A. 4—30977
Friedland, L. Correspondence principle in free-electron lasers 4—31277
Friedland, L. Multiphoton transitions in free electron lasers 4—37271
Friedland, L. *see* Fruchtman, A. 4—37272, 4—59375
Friedland, S.S. *see* Davidson, H.L. 4—59620
Friedlander, B. The asymptotic performance of the modified Yule-Walker estimation 4—37967
Friedlaender, B. On the Cramer-Rao bound for time delay and Doppler estimation [sonar signal processing] 4—47826
Friedlander, B. On the computation of the Cramer Rao bound for ARMA parameter estimation 4—53732
Friedlander, B., Porat, B. The modified Yule-Walker method of ARMA spectral estimation 4—43018
Friedlander, B., Porat, B. A spectral matching technique for ARMA parameter estimation 4—43335
Friedlander, B., Smith, J.O. Analysis and performance evaluation of an adaptive notch filter 4—43313
Friedlander, B., Smith, J.O. Analysis and performance evaluation of an adaptive notch filter 4—43386
Friedlander, B. *see* Porat, B. 4—43388, 4—53727
Friedlander, B. *see* Sharman, K.C. 4—53757
Friedlander, G. *see* Schechter, M. 4—36100
Friedlander, G.D., Going, M.C. 23rd steam station cost survey 4—34412
Friedman, A. *see* Gover, A. 4—52842
Friedman, D.H. A Fourier-ratio technique for pole estimation in random-process modeling 4—37985
Friedman, E. Voice technology coming for microcomputers in 1984 4—31904
Friedman, H. Communications corner [RF power measurements] 4—44578
Friedman, J.W. On characterizing equilibrium points in two person strictly competitive games 4—29340
Friedman, L. Thermoelectric power of superlattices 4—51840
Friedman, M., Serlin, V. Generation of a modulated intense relativistic electron beam with a frequency tunable by a magnetic field 4—58696
Friedman, M., Wilson, A. Diode closure in Blackjack 5' 4—34946
Friedman, M. *see* Thibadeau, R. 4—51627
Friedman, M.F. On a stochastic extension of the EOQ formula 4—50627
Friedman, R. *see* Maruska, H.P. 4—59341
Friedman, V., Liu, S. Dynamic logic CMOS circuits 4—41301
Friedrich, A.A., Love, R.D. APL transmission path analysis for design of a local area network 4—54336
Friedrich, C. Stereo test equipment for the broadcasting service 4—32929
Friedrich, D. *see* Arefiev, A. 4—55843
Friedrich, H. *see* Brosch, P.F. 4—49953
Friedrich, K.-H. Data logger with computer compatible facilities 4—33184
Friedrich, L. *see* Bechtold, V. 4—61628
Friedrich, R., Ruff, E., Voss, A. Costs and efficiency of measures for the reduction of SO_2 emission by power stations in Baden-Wurttemberg 4—49785
Friedrich, R., Voss, A., Ruff, E. Five proposals for clean air [power station SO_2 emissions] 4—62388
Fries, E. *see* Beushausen, J. 4—38072
Fries, P. Reliability assessment of technical systems by reference to examples from the field of process automation 4—35344
Friesem, A.A. *see* Katzir, Y. 4—39051
Fright, W.R. *see* Bates, R.H.T. 4—43432
Frigo, N.J., Dandridge, A., Tveten, A.B. Technique for elimination of polarisation fading in fibre interferometers 4—31113
Frigyes, I., Vanyai, P., Kantor, C. Some points from the activity in Hungary toward the high capacity digital radio: Hitless switch design; automatic delay adjustment; propagation tests 4—32662
Frijlink, P.M. *see* Horstman, R.E. 4—41879
Frijlink, P.M. *see* Mercy, J.M. 4—51843
Frisch, D.A., Bickers, L., Blank, L.C., Walker, S.D., Fiddyment, P.J., Nelson, A.W., Westbrook, L.D. 565 Mbaud 100 km optical system trial using a ridge waveguide DFB laser at 1.478 μm 4—32798
Frisch, D.A., Henning, I.D. Effect of laser chirp on optical systems—initial tests using a 1480 nm DFB laser 4—53047
Frischenschlager, F. *see* Bindewald, K. 4—55608
Frison, P., Quinton, P. A VLSI parallel machine for speech recognition 4—53538
Frisson, L. *see* Cheek, G.C. 4—45636
Fritsch, F.N., Butland, J. A method for constructing local monotone piecewise cubic interpolants 4—40990
Fritsch, G. *see* Lademann, J. 4—52885
Fritts, D.H. An estimation of the mechanical stress in nickel electrode sinter and its implications for nickel electrode construction [secondary cells] 4—40386
Fritts, D.H. *see* Gupta, V.K. 4—40401
Fritz, G. User-tips for components of a mains circuit 4—34736
Fritz, G. Versatile linear regulator eases power-supply design 4—41189
Fritz, G.S., McCarthy, J.J., Benson, J. Automated measurements of integrated circuit linewidths by electron microscopy 4—36718
Fritz, I.J. *see* Dawson, L.R. 4—51818
Fritz, I.J. *see* Myers, D.R. 4—41947
Fritz, I.J. *see* Ziperian, T.E. 4—36637
Fritz, R.A. Trim-alterable MLC chip cavity 4—41719
Fritz, R.B. *see* Bohlander, R.A. 4—37593
Fritz, T. Measurements of mechanical transient effects 4—55313
Fritzsche, H. *see* Kakalios, J. 4—58772
Fritzsche, K. Laser application in information recording instruments of the printing 4—61438
Fritzsche, K. *see* Tosch, R. 4—42747
Frizzel, A.W. *see* Yu, C. 4—36072
Froberger, J.P. *see* Anderson, L. 4—55989
Froehly, C. Temporally coherent fiber optics 4—31159
Froese, M. Quartz clock already built in: real time clock for microprocessor systems 4—58412
Froh, M.J., Tavares, S.E. Integrating security protocols into the ISO computer network architecture 4—32425
Frohlich, H. On the influence of optical radiation on the current-induced resistive state in long microbridges 4—52493
Frohlich, J.G., Kishi, G.T. Automatic epoxy mixing tool [for PC armature automated assembly process] 4—58623
Frohman-Bentchkowsky, D. *see* Nissan-Cohen, Y. 4—36625
Frolov, E.A., Konstantinov, A.A., Yudin, M.F. New alpha-particle detector based on microchannel plates 4—39453
Frolov, L.E. *see* Beruchev, N.G. 4—61603
Frolov, M.P. *see* Bashkin, A.S. 4—42551
Frolov, O.S. *see* Perevertailo, V.L. 4—58804
Frolov, V.A. *see* Obidin, A.Z. 4—31366
Frolov, V.D. *see* Knab, O.D. 4—30405
Frolov, V.V. *see* Kopilevich, Yu.I. 4—42485
From, W.R., Whitehead, J.D. The calibration of an HF radar used for ionospheric research 4—49472
Fromm, H.-H. *see* Chaplin, J. 4—38507
Fromson, R.E. *see* Nahemow, M.D. 4—36445
Fromzel', V.A. *see* Anan'ev, A. Yu. 4—37346
Fromzel, V.A. *see* Aubakirov, R.G. 4—47444
Fromzel, V.A. *see* Lunter, S.G. 4—47445
Fromzel, V.A. *see* Murzin, A.G. 4—59582
Froncek, F., Wroblewski, Z. Characteristic values of cut-out current for vacuum switch and estimation method of these values 4—49984
Fronts, K., Kuchinskii, V.I., Lazutka, A.S., Maiorova, N.I., Mishurnyi, V.A., Portnoi, E.L., Smirnitskii, V.B. Tunable distributed-feedback semiconductor laser pumped by a heterostructure injunction laser 4—52991
Frosch, R. *see* Daum, M. 4—49059
Frosien, J. *see* Lischke, B. 4—55695
Frosini, R. *see* Boschi, M.C. 4—33832
Frost, B.J. Simple wide-range current limiting circuit 4—58134
Frost, M. *see* Siskind, E.J. 4—33810
Frost, R.L. *see* Zhou, Y. 4—53931, 4—60254
Frost, T. Theatre sound—a coming of age? 4—38895

Frost, V.S., Shanbmugan, K.S., Holtzman, J.C. The influence of sensor and flight parameters on texture in radar images 4—61894
Frost, V.S. *see* Shanmugan, K.S. 4—32674
Frost, V.S. *see* Wade, W.D. 4—37789
Frost, W.J. Sensor technology for industrial process control—status and future trends 4—55448
Frubrich, M. *see* Kroitzsch, V. 4—47906
Fruchard, C. *see* Renoulin, R. 4—38182
Fruchtman, A., Friedland, L. Simplified small signal gain calculations in free electron lasers 4—37272
Fruchtman, A., Friedland, L. Simplified small signal gain calculations in free electron lasers 4—59375
Fruehauf, H. Oscillator performance in a hostile environment and the resultant impact on the one-way ranging system 4—35683
Fruhauf, T. Logic analyzer in master-slave mode 4—33202
Fruitman, E. Don't grope in the dark! [emergency lighting system design] 4—45727
Frukhtman, M.L., Klebanov, I.Ya., Vinogradov, V.V., Gekht, R.B., Maler, L.Z., Margulis, K.M. Standard high-resistance measures of resistance 4—33431
Frumin, V.L. *see* Rudnitskii, L.M. 4—59706
Fry, J.P., Davison, A. The CEGB South Eastern Region operator training simulator—SERTS 4—34396
Fry, S. *see* Wang, F.A. 4—35857
Fry, T., Ramsey, K. The BBC Electronic Newsroom System (ENS) 4—44251
Fryer, M.O. Risk assessment of computer controlled systems 4—34316
Fryszczyn, B. *see* Eager, G.S., Jr. 4—62193
Fu, D.-M. *see* Ju, X.-D. 4—47686
Fu, H.S. *see* Chen, D.C. 4—36737
Fu, J.S. Dominant subthreshold conduction paths in short-channel MOSFETs 4—36590
Fu, J.S. Surface and bulk-dominated punch-through in short-channel MOSFETs 4—36613
Fu, K.S. Special computer architectures for image analysis 4—58370
Fu, K.S. Pattern recognition techniques in remote sensing data analysis 4—61900
Fu, K.S. *see* Chiang, Y.P. 4—53873
Fu, K.-S. *see* Eshera, M.A. 4—60181
Fu, S.L., Chiou, R.M. Studies of thick film thermistors 4—41610
Fu, S.L. *see* Cheng, S.Y. 4—59109
Fu, S.-L., Chen, S.-T. Effects of multiple refiring on the dielectric properties of thick film crossover dielectrics 4—59051
Fu Chongda *see* Liu Bekuan 4—31534
Fu Enshen *see* Tu Shigu 4—31295
Fu Panming *see* Ye Peixuan 4—37465
Fu Rulian, Kai Guiyun, Yang Mengyan, Geng Xikun Investigation on elimination of oxidation stacking faults in silicon by CW CO_2 laser annealing 4—58844
Fu Shu-fen *see* Fang Hong-lie 4—52828
Fu Shufen, Chen Jianwen, Liu Miaohong Blumlein-discharge-initiated HF chemical laser 4—37318
Fu Shufen *see* Chen Jianwen 4—31296, 4—37315
Fu Shufen *see* Zhang Dake 4—59412
Fu Tao *see* Ding Mo-yuan 4—58890
Fu Weiai *see* Fu Yaoxian 4—47209
Fu Yaoxian, Fu Weiai, Xu Shiming, Peng Ying A new technique for manufacturing A15 compound superconducting materials. Extruded composite tube with high-tin central diffusion of the micro-multifilamentary Nb/Cu 4—47209
Fu Zhen-Xuan *see* Liu Zhen-Wei 4—53284
Fu-chao Chen *see* Chen Fu-chao
Fu-gen Zhang *see* Zhang Fu-gen
Fu-qin Zhao *see* Zhao Fu-qin
Fu-Ying Pan A brief review of progress in electrochemical power sources 4—34847
Fucci, D. *see* Petrosino, L. 4—49124
Fuchang Fan *see* Fan Fuchang
Fuchang Liu *see* Liu Fuchang
Fuchi, H. *see* Ushida, N. 4—56030
Fuchi, K., Sato, S., Miller, E. Japanese approaches to high-technology R&D 4—40757
Fuchi, K. *see* Ohta, K. 4—43209, 4—43216
Fuchida, K. *see* Tateishi, S. 4—57311
Fuchigami, T. *see* Tomita, N. 4—38422
Fuchko, V.Yu., Kel'man, V.A., Zapesochnyi, I.P. Hollow-cathode cell for a pulsed vapor laser 4—53036
Fuchs, E. Microanalysis for microelectronics 4—42095
Fuchs, F.W. A new control method for AC drives with inverter-fed synchronous machines supplied from a battery 4—57411
Fuchs, F.W. *see* Bendien, J.C. 4—57410
Fuchs, H. Measurements in the microvolts range [multimeter preamplifier] 4—58165
Fuchs, H. *see* Bishop, G. 4—44517
Fuchs, M. *see* Artemiev, V. 4—61684
Fuchs, R. *see* Erlich, I. 4—56483
Fuchs, W., Albrecht, H.E., Kroger, W. Flow-related data processing in burst-mode Doppler anemometry 4—55754
Fucik, I., Klevar, V. Integrated design system for induction motors 4—62541
Fudemoto, I. *see* Kimura, H. 4—32207
Fudeyasu, T., Iwasa, C., Watanabe, Y. Low frequency excited EM flow meter 4—55558
Fudun Wang *see* Wang Fudun
Fuenlabrada, A.P. *see* Sanchez-Sinencio, E. 4—30001
Fuentes, M.K. Field performance assessment of intermediate photovoltaic systems 4—40479
Fuerst, G.R. *see* Mukherjee, B.K. 4—57123
Fuetta, C. *see* Bacci, C. 4—39410
Fugeng Xu *see* Xu Fugeng
Fuguang Qin *see* Qin Fuguang
Fugui Wang *see* Wang Fugui
Fuhrer, P.T., Moscoso, P. Data-base administration for the 5ESS switch: flexible, simple 4—54534
Fuhs, A.E., Tillotson, K.D. Test of a probe used to sense altitude through measurement of pressure 4—61337
Fuhs, W. *see* Hoheisel, M. 4—30359
Fuji, S. *see* Yamamoto, K. 4—54496
Fujibayashi, K. *see* Yamada, H. 4—56962
Fujie, J., Hiromoto, M. 350 MW coal-fired boilers in Australia 4—49744
Fujieda, S. Diffusion of defects introduced into CdS crystals by electron beam annealing 4—58727
Fujihisa, H. *see* Yamamoto, K. 4—34796
Fujii, A. *see* Tanaka, J. 4—44341
Fujii, F. *see* Hagiwara, S. 4—58209
Fujii, F. *see* Suzuki, T. 4—54604
Fujii, H. *see* Tsuji, T. 4—37121
Fujii, K. Electric fan main body assembly line 4—29232
Fujii, K. *see* Nonaka, S. 4—56954
Fujii, K. *see* Otsuka, E. 4—36280
Fujii, N. *see* Takagi, S. 4—30007
Fujii, S. *see* Ichinose, M. 4—42856
Fujii, S. *see* Kudo, T. 4—30912
Fujii, S. *see* Utsumi, K. 4—58659
Fujii, S. *see* Yanagisawa, H. 4—55637
Fujii, T., Harashima, H., Miyakawa, H. Application of least-squares method to adaptive channel equalizer with frequency sampling filter 4—43918
Fujii, T., Yamakoshi, S., Nanbu, K., Wada, O., Hiyamizu, S. Very low threshold current GaAs-AlGaAs GRIN-SCH lasers grown by MBE for OEIC applications 4—52965
Fujii, T. *see* Wada, O. 4—31178
Fujii, T. *see* Watanabe, M. 4—50747
Fujii, Y. Optical coupling method 4—47266
Fujii, Y., Nanba, D. Hardware remote maintenance system for data communication systems 4—43788
Fujii, Y. *see* Mitsuhashi, Y. 4—59496
Fujii, Y. *see* Sano, K. 4—44103
Fujikawa, K. *see* Kajikawa, Y. 4—51822
Fujikawa, K. *see* Oomura, E. 4—59532
Fujiki, M., Kawashima, K. Theoretical analysis of a combined delay and delay system with trunk reservation 4—38190
Fujiki, M. *see* Kaino, T. 4—52600
Fujiki, M. *see* Takagi, N. 4—58216
Fujima, H. *see* Hatakoshi, G. 4—47240
Fujimaki, N., Hasuo, S., Yamaoka, T. Switching-time measurements on Josephson variable threshold logic gate 4—52514
Fujimasa, I., Nakajima, M., Atsumi, K. Medical optoelectronics 4—49171
Fujimori, H., Kazama, N.S., Hirose, K., Zhang, J., Morita, H., Sato, I., Sugawara, H. Magnetostriction of Co-base amorphous alloys and high frequency permeability in their sputtered thin films 4—36998
Fujimori, Y., Komatsu, T., Hayashi, N. Inert gas pressure measuring apparatus for halogen lamps 4—62783
Fujimori, Y. *see* Inazaki, K. 4—33464
Fujimoto, F., Ootuka, A., Komaki, K., Iwata, Y., Yamane, I., Yamashita, H., Hashimoto, Y., Tawada, Y., Nishimura, K., Okamoto, H., Hamakawa, Y. Hydrogen content in a-SiC:H films prepared by plasma decomposition of silane and methane or ethylene 4—58043
Fujimoto, J.G., Weiner, A.M., Ippen, E.P. Generation and measurement of optical pulses as short a 16 fs 4—37419
Fujimoto, K., Kawai, H., Okamoto, H., Hamakawa, Y. Improvement in the efficiency of amorphous silicon solar cells utilizing the optical confinement effect by means of a TiO_2/Ag/SUS back-surface reflector 4—40457
Fujimoto, K. *see* Ito, F. 4—45278
Fujimoto, K. *see* Moeller, D.W. 4—61837
Fujimoto, K. *see* Okuda, K. 4—45664
Fujimoto, M.K. *see* Matsuda, K. 4—54916
Fujimoto, N. *see* Boggs, S.A. 4—45565
Fujimoto, T. *see* Okano, K. 4—54203
Fujimoto, Y. *see* Real, R.R. 4—33204
Fujimura, K. *see* Tsutsumi, S. 4—45723
Fujimura, N. *see* Mochida, Y. 4—32534
Fujimura, O. *see* Tanaka, K. 4—53913
Fujimura, S. *see* Hagiwara, M. 4—59085
Fujimura, S. *see* Sagawa, M. 4—30953
Fujimura, S. *see* Yamagishi, K. 4—43463
Fujimura, T. Mini-neck color picture tubes 4—32953
Fujinami, H. *see* Watanabe, T. 4—53182
Fujinami, S. *see* Kawaoka, T. 4—54383
Fujinawa, Y. *see* Eguchi, T. 4—44905
Fujino, K. *see* Iwaoka, H. 4—44720
Fujio, T. *see* Konishi, Y. 4—48547
Fujioka, A. *see* Fujita, M. 4—48797
Fujioka, G. *see* Ushida, N. 4—56030
Fujioka, H. *see* Nanjo, J. 4—58867
Fujioka, M. *see* Mori, H. 4—54542
Fujioka, N. *see* Magaki, Y. 4—40356
Fujioka, T. *see* Arai, T. 4—37327
Fujioka, T. *see* Hokazono, H. 4—52900
Fujioka, T. *see* Kumamoto, K. 4—42527
Fujioka, T. *see* Midorikawa, K. 4—37298
Fujioka, T. *see* Suda, A. 4—31336
Fujisada, H., Sasase, T. Effects of insulated gate on ion implanted InSb p^+n junctions 4—30402
Fujisada, H. *see* Nakagawa, T. 4—30588
Fujisaka, H. *see* Sato, C. 4—58443
Fujisaki, H., Hasegawa, K. Acoustic characteristics of vowels and their variations in the common Japanese 4—53468
Fujisaki, H., Hirose, K., Inoue, T., Sato, Y. Automatic recognition of spoken words from a large vocabulary using syllable templates 4—60010
Fujisaki, H. *see* Hermansky, H. 4—53496
Fujisaki, H. *see* Hirose, K. 4—60009
Fujisaki, H. *see* Mirikawa, H. 4—43268
Fujisaki, H. *see* Murayama, A. 4—59660
Fujisawa, S., Tomoda, K. Large screen display by CRT projection system 4—61268
Fujishige, S. Structures of polyhedra determined by submodular functions on crossing families 4—46145
Fujishige, S. Theory of submodular programs: a Fenchel-type min-max theorem and subgradients of submodular functions 4—46146
Fujishige, S. On the subdifferential of a submodular function 4—57948
Fujishima, K., Ozaki, H., Sato, S., Nagatomo, M., Shimotori, K. A high-performance 256 K-bit dynamic MOS RAM 4—58330
Fujishima, S., Kasanami, T., Nakamura, T., Nishiyama, H. VCO resonators using ZnO sputtered film 4—51018
Fujishin, E., Garrett, K., Levis, M.P., Motta, R.F., Hartranft, M.D. Optimized ESD protection circuits for high-speed MOS/VLSI 4—59046
Fujita, K. D60 digital transit switching system operating experience 4—32564
Fujita, K. *see* Akagi, H. 4—57162
Fujita, K. *see* Braun, H.E. 4—34289
Fujita, K. *see* Hino, Y. 4—54603
Fujita, K. *see* Kitazawa, T. 4—47644
Fujita, M., Harada, O., Fujioka, A. Development of a CAMAC measurement and control system 4—48797
Fujita, M., Nasu, H., Nishi, S., Ohmoto, N. An EPIRB sea trials using INMARSAT's satellite 4—44024
Fujita, M., Shinno, K. Examination of microwave propagation characteristics and antenna [for solar power satellite] 4—31632
Fujita, M. *see* Takechi, M. 4—51242
Fujita, O. *see* Fukuda, M. 4—59538
Fujita, S., Matsuda, Y., Sasaki, A. Growth and properties of undoped n-type ZnSe by low-temperature and low-pressure OMVPE 4—50754
Fujita, S., Toyoshima, H., Ohishi, T., Sasaki, A. Plasma-enhanced chemical vapor deposition of fluorinated silicon nitride 4—29520
Fujita, S., Toyoshima, H., Ohishi, T., Sasaki, A. Plasma-deposited silicon nitride films from SiF_2 as silicon source 4—46237
Fujita, S. *see* Mitsuyu, T. 4—47347
Fujita, S. *see* Sasaki, A. 4—47294
Fujita, S. *see* Sasaki, G. 4—36349
Fujita, S. *see* Shikada, M. 4—54810
Fujita, S. *see* Tokumitsu, M. 4—52512
Fujita, S. *see* Yamamoto, Y. 4—29808, 4—41329, 4—51165
Fujita, S. *see* Yoshida, T. 4—42540
Fujita, T., Goto, S. A rule-based routing system 4—29590
Fujita, T., Hioki, Y., Tsuji, H., Ohtsuka, T., Ohno, Y. Narrow gap MIG welding control with image sensor 4—57627
Fujita, T., Ishizuka, S., Fujito, K., Serizawa, H., Sato, H. Intensity noise suppression and modulation characteristics of a laser diode coupled to an external cavity 4—42649
Fujita, T., Ohya, J., Ishizuka, S., Fujito, K., Sato, H. Oscillation frequency shift suppression of semiconductor lasers coupled to external cavity 4—42624
Fujita, T. *see* Ebihara, N. 4—48587
Fujita, T. *see* Hama, K. 4—59144
Fujita, T. *see* Takamizawa, K. 4—52212
Fujita, Y., Masuda, E., Sakamoto, S., Sakaue, T., Sato, Y. A bulk CMOS 20 MS/s 7b flash ADC 4—51336
Fujita, Y., Masuda, K. Measure of deep levels in plastically deformed Cz-Si by capacitance and reverse current 4—30304
Fujita, Y. *see* Abe, A. 4—55596
Fujito, K. *see* Fujita, T. 4—42624, 4—42649
Fujiwara, E., Mutoh, N., Matsuoka, K. A self-testing group-parity prediction checker and its use for built-in testing 4—58261

Fujiwara, H., Shimono, T., Ozaki, H. A fanout oriented test generation algorithm for combinational circuits 4—58269
Fujiwara, H. *see* Ishihara, K. 4—56549
Fujiwara, H. *see* Kugiya, F. 4—31009
Fujiwara, H. *see* Kumasaka, N. 4—30962
Fujiwara, H. *see* Morozumi, S. 4—57320
Fujiwara, H. *see* Ueda, T. 4—39790
Fujiwara, K. *see* Matsuda, K. 4—54916
Fujiwara, K. *see* Mitsunaga, K. 4—52964, 4—59517
Fujiwara, K. *see* Nakata, T. 4—42279, 4—47564
Fujiwara, K. *see* Tanaka, G. 4—52631
Fujiwara, M., Ajisawa, A., Sugimoto, Y., Ohta, Y. Gigahertz-bandwidth InGaAsP/InP optical modulators/switches with double-hetero waveguides 4—60843
Fujiwara, M. *see* Gobho, Y. 4—54166
Fujiwara, M. *see* Murasaki, K. 4—48079
Fujiwara, N. *see* Ogawa, A. 4—33688
Fujiwara, O., Goto, Y., Amemiya, Y. Characteristics of microwave power absorption in an insect exposed to standing-wave fields 4—49324
Fujiwara, O., Itoh, J., Amemiya, Y. Occurrence frequencies of microarcs caused by high speed sliding contacts [measuring technique and equipment] 4—41648
Fujiwara, S. *see* Fukuda, T. 4—56242
Fujiwara, S. *see* Takasuka, M. 4—33315
Fujiwara, S. *see* Yamaguchi, M. 4—31256
Fujiwara, S. *see* Yamamoto, K. 4—31236
Fujiwara, S. *see* Yamashita, N. 4—33316
Fujiwara, T. *see* Kasami, T. 4—43183
Fujiwara, Y. Tachometer test equipment 4—44618
Fujiya, H. *see* Yukimatsu, K. 4—54528
Fujiyama, Y., Kimura, K., Miyake, H. FETEX-150 digital switching system for Singapore 4—48342
Fujiyasu, H., Ishida, A., Kuwabara, H., Shimomura, S., Takaoka, S., Murase, K. Optical and electrical properties of PbTe-$Pb_{1-x}Sn_xTe$ superlattices prepared on KCl by a HWE 4—51854
Fujiyoshi, T., Iwasaki, S., Yamaguchi, B. Development of a telex terminal with a display function 4—32527
Fuju Yu *see* Yu Fuju
Fukabayashi, T., Chuang, C.-K. Speech segmentation and recognition using adaptive linear prediction algorithm 4—59975
Fukada, A., Jasaka, S.L. The equilibrium point analysis—a unified analytic tool for packet broadcast networks 4—32132
Fukagawa, H. *see* Tsuda, H. 4—45115
Fukahori, K., Glad, T., Engh, L. Signaling pickoff filter for FDM 4—51427
Fukai, I. *see* Kagami, S. 4—42758
Fukai, I. *see* Koike, S. 4—59835
Fukai, I. *see* Soga, M. 4—58507
Fukai, I. *see* Yoshida, N. 4—41538
Fukakusa, S. *see* Tomoda, T. 4—61693
Fukamachi, M. *see* Matsuyama, A. 4—48244
Fukami, A. *see* Kobayashi, Y. 4—41829, 4—47045
Fukami, K. *see* Kasai, R. 4—51166
Fukami, T., Sakuma, T., Tokunaga, K, Tsuchiya, H. Ferroelectric films deposited by reactive sputtering and their properties 4—50811
Fukami, T. *see* Mambo, M. 4—44914
Fukami, T. *see* Yanagisawa, H. 4—55637
Fukang Zhao *see* Zhao Fukang
Fukano, T. *see* Horie, H. 4—42091
Fukao, T. Variable leakage transformer and analysis of its characteristics 4—40298
Fukao, T. *see* Seong, S. 4—57422
Fukasawa, T. *see* Hara, M. 4—31554
Fukata, Y. *see* Amano, K. 4—32738
Fukatsu, S. *see* Satou, K. 4—43740
Fukawa, N. *see* Masuyama, H. 4—34314
Fukazawa, K. *see* Kitamura, H. 4—40325
Fukikawa, K. *see* Hirano, R. 4—37385
Fukinuki, H. *see* Itakura, S. 4—38161
Fukinuki, T. Coding of still pictures 4—47909
Fukinuki, T. *see* Achiha, M. 4—46599
Fuks, I.M. *see* Kukushkin, A.V. 4—37580, 4—42864
Fuks, N.L., Borovikov, A.G. Reduction of energy loss at inverter substations [railway power system] 4—57452
Fukuda, A. Control algorithms for out-of-chain routing in a telephone network 4—43650
Fukuda, A., Mukumoto, K. Channel assignment schemes in centralized two-way packet radio networks 4—32140
Fukuda, A. *see* Ishikawa, K. 4—37176
Fukuda, A. *see* Mukumoto, K. 4—48539, 4—54454
Fukuda, B., Satoh, K., Shimizu, Y., Ito, Y. Effect of crystalline texture in grain oriented Si-Fe sheets on the building factor of transformers 4—31026
Fukuda, E., Takeda, Y., Daido, Y., Sasaki, S., Nakamura, H. Design of 64 QAM modem for high-capacity digital radio system 4—31849
Fukuda, H. *see* Shinohara, K. 4—59503
Fukuda, K. *see* Tanaka, H. 4—39566
Fukuda, M. A fiber-optic laser Doppler velocimeter 4—59677
Fukuda, M., Fujita, O., Iwane, G. Failure modes of InGaAsP/InP lasers due to adhesives 4—59538
Fukuda, M. *see* Yotsumoto, K. 4—38163
Fukuda, N. *see* Yamato, K. 4—41330
Fukuda, O. *see* Araki, S. 4—52672
Fukuda, O. *see* Sanada, K. 4—52616
Fukuda, T., Matsuura, Y., Mori, T. Sensitivity of coherent range-resolved differential absorption lidar 4—56284
Fukuda, T., Tanaka, S., Fujiwara, S., Onozuka, K. Dedicated data recording video system for Spacelab experiments 4—56242
Fukuda, T., Terashima, K. Growth of GaAs single crystal by magnetic field applied LEC technique 4—46208
Fukuda, T. *see* Shimada, T. 4—58003
Fukuda, T. *see* Terashima, K. 4—46205, 4—58004
Fukuda, Y., Kohda, S., Kitano, Y. A new aluminium pattern formation using substitution reaction of aluminium for polysilicon and its application to MOS device fabrication 4—46976
Fukuhara, Y., Tsukamoto, K. Power pack technology for NTT digital local switching system 4—50978
Fukuhara, Y., Tsukamoto, K. Power pack for Digital Local Switching System 4—54526
Fukuhara, Y. *see* Kaneko, Y. 4—38405
Fukui, H. *see* Kobayashi, M. 4—44030
Fukui, I. Difference and indefinite sum of Walsh function 4—37853
Fukui, I. *see* Takahashi, S. 4—52348
Fukui, K., Arita, H., Nezu, T., Hashimoto, K., Araki, M. AM stereophonic broadcasting receiver 4—54988
Fukui, K. *see* Nezu, T. 4—54987
Fukui, M., Tsukiyama, S., Shirakawa, I. A heuristic algorithm for a pin assignment problem of gate array LSI 4—58237
Fukui, S. *see* Tokumaru, S. 4—47673, 4—53304
Fukui, T. *see* Uwai, K. 4—29477
Fukui, Y. *see* Emura, M. 4—29681
Fukui, Y. *see* Yoneda, S. 4—32511
Fukuma, M. *see* Matsumoto, H. 4—36488
Fukuma, M. *see* Mizuno, A. 4—53144
Fukumori, H. *see* Kashino, E. 4—62512
Fukumoto, A. *see* Tone, M. 4—56351
Fukumoto, B. Pacific underseas cables play vital role in communications network 4—32201
Fukumoto, M., Shinohara, A., Okada, S., Kugimiya, K. A new $MoSi_2$/thin-poly Si gate process 4—30806
Fukumoto, S. *see* Mori, Y. 4—61630, 4—61663
Fukumoto, S. *see* Takagi, A. 4—61653
Fukumoto, T. *see* Fukushima, T. 4—30589
Fukumura, Y. *see* Sakai, Y. 4—29899
Fukunaga, K., Yamada, S., Stone, H.S., Kasai, T. A representation of hypergraphs in the Euclidean space 4—40950
Fukunaga, K. *see* Shibayama, H. 4—62009
Fukunaga, T., Tazaki, S. Assessment on characteristics of *b*-adjacent error correcting code 4—61089
Fukunaga, T. *see* Futakawa, A. 4—35566
Fukunishi, S. *see* Takeshima, M. 4—52537
Fukuoka, N., Saito, H. Defects in neutron-transmutation-doped germanium 4—30507
Fukushima, H. *see* Ushida, N. 4—56030
Fukushima, M. On the convergence of a class of outer approximation algorithms for convex programs 4—29376
Fukushima, M. *see* Oku, K. 4—51714
Fukushima, M. *see* Sagara, N. 4—29393
Fukushima, N. *see* Ryuzawa, S. 4—62036
Fukushima, S. *see* Hamada, M. 4—31016
Fukushima, T., Kobayashi, Y., Hirasawa, K., Bandoh, T., Ejiri, M. Architecture of an image signal processor 4—60174
Fukushima, T., Ueno, K., Fukumoto, T., Tanaka, K. SVG guard-ring Al-Ti-Si Schottky diode for high-speed LSI applications 4—30589
Fukushima, T., Ueno, K., Matsuzaki, Y., Tanaka, K. A 40 ns 64 kbit junction-shorting PROM 4—41349
Fukushima, Y. *see* Aishima, A. 4—36041, 4—44087, 4—52043
Fukushima, Y. *see* Uchiike, H. 4—48973
Fukuta, J., Kodama, M. On a compound redundant system with the particular switching devices 4—46014
Fukuta, K., Ushizawa, J., Suzuki, H., Ebata, Y., Matsumura, S. Growth and properties of $Li_2B_4O_7$ single crystal for SAW device applications 4—52373
Fukutomi, H. *see* Iwahashi, E. 4—38620, 4—44097
Fukuyama, T. *see* Okabayashi, I. 4—52919
Fukuzawa, J., Shimizu, K. Optimal design for two dimensional recursive digital filters 4—47822
Fukuzawa, T., Semura, S., Ohta, T., Uchida, Y., Kobayashi, K.L.I., Nakashima, H. GaAlAs buried multi-quantum-well laser fabricated by diffusion induced disordering 4—37387
Fukuzawa, T., Semura, S., Saito, H., Ohta, T., Uchida, Y., Nakashima, H. GaAlAs buried multiquantum well lasers fabricated by diffusion-induced disordering 4—52943
Fulczyk, K. *see* Debowski, J. 4—45438
Fulfaro, R. *see* Mestnik Filho, J. 4—56037
Fulford, J.A. *see* Lyon, G.F. 4—37577
Fulford J.A., Forsyth, P.A. High latitude ionospheric scintillations 4—42852
Fulghum, S.F., Trainor, D.W., Duzy, C., Hyman, H.A. Stimulated Raman scattering of XeF* laser radiation in H_2. II 4—37445
Fulks, R.T. *see* Russo, C.J. 4—36424
Fullagar, P.K. A uniqueness theorem for horizontal loop electromagnetic frequency soundings 4—39688
Fuller, G. *see* Lin, Y.-C. 4—58831
Fuller, G. *see* Marriott, V. 4—58948
Fuller, J.F., Hanna, W.J., Kallenbach, G.A. Arcing faults in metallic conduit at 120 and 240 volts 4—62220
Fuller, T. Fix the process, not the product [statistical quality control] 4—50554
Fuller, T.A. The use of fiber optics in surgical and photobiological applications in the United States 4—49297
Fullerton, F.M., Flugum, R.W. Advanced support systems and conductor concepts for transmission lines 4—49619
Fullerton, L.W. *see* Kahaner, D.K. 4—29415
Fullmer, K.S. *see* Bliem, C.J. 4—40143
Fullwood, R.R. *see* Rothbart, G.B. 4—29306
Fuls, E.N. *see* Fichtner, W. 4—36630
Fulton, N.N. *see* Ray, W.F. 4—62751
Fumagalli, G. *see* Conta, C. 4—56031
Fuming Li *see* Li Fuming
Funabashi, M. *see* Nishiya, T. 4—49556
Funabiki, S. *see* Himei, T. 4—56986, 4—57114
Funada, F. *see* Matsuura, M. 4—55601
Funada, Y. *see* Gotoh, T. 4—59001
Funai, K. *see* Yamamoto, T. 4—59145
Funakawa, K., Yoneyama, K., Kozawa, H. Development of a tracking and data acquisition system for spacecraft 4—56247
Funakawa, K. *see* Siuci, A. 4—51453
Funakoshi, K., Izawa, R., Isaka, M., Matsuda, M., Hirosawa, T., Hashimoto, N., Asai, S. Computer aided research automation system for advanced VLSI 4—30718
Funakoshi, Y. *see* Okano, K. 4—33628
Funakoshi, Y. *see* Tanaka, T. 4—30786
Funakubo, N. Method for processing color information of images obtained with drum scanner (supplement) 4—38029
Funamoto, K. *see* Soeda, A. 4—55022
Funch, C., Lauritsen, L.J. New uses of LCDs 4—59277
Funes, L.E. *see* Carrus, A. 4—45524
Fung, A.K., Eom, H.J. A reevaluation of Stogryn's apparent temperature theory over the sea surface 4—56304
Fung, A.K. *see* Eom, H.J. 4—37564
Fung, C.D. *see* Ko, W.H. 4—33235
Fung, H.M. Satellite and cable communications systems 4—54674
Funk, D.W. DO-178: its history and purpose 4—44852
Funk, R.E. Fast C-MOS logic bids for TTL sockets in most systems 4—35733
Funk, R.R. *see* Perry, T.C. 4—49694
Funke, J., Hansgen, H., Knoner, R., Mazurek, B. Thermal properties of the electric insulation of a cryoresistant cable 4—62208
Funke, T. *see* Brauer, H. 4—44761
Fuoss, P.H., Robinson, I.K. Apparatus for X-ray diffraction in ultrahigh vacuum 4—56056
Furch, B. *see* Popescu, A. 4—60817
Fure-Tzahn Tsai, Ming-Wen Chang Designing holographic optical elements (HOE) with large space-bandwidth product 4—37483
Furedi, Z. *see* Barany, I. 4—57909
Furgason, E.S. *see* Draheim, W.A. 4—53782
Furhrmann, D.R., Liu, B. An iterative algorithm for locating the minimal eigenvector of a symmetric matrix 4—53361
Furihata, M. *see* Kaneko, K. 4—58235
Furihata, M. *see* Shinmi, T. 4—59016
Furlan, G., Mancini, N.A., Sayigh, A.A.M. *(editor)* Nonconventional Energy. Proceedings of the Second International Symposium on Nonconventional Energy 4—40718
Furlan, J. *see* Amon, S. 4—34911
Furlanello, F. *see* Antolini, R. 4—49253
Furler, R. *see* Wildmann, D. 4—42574
Furlong, S.C., Bush, I.J., Martin, J.M. Fiber optic accelerometer 4—59204
Furman, F.V. *see* Pashkevich, A.P. 4—61209
Furman, R.M. *see* Levit, I.G. 4—40091
Furman, Sh.A. *see* Gavrilov, N.I. 4—31439
Furman, Ya.I. *see* Bereza, V.L. 4—62591
Furneaux, J.E., Reinecke, T.L. Novel features of quantum Hall plateaus for varying interface charge 4—36605
Furneaux, J.E., Reinecke, T.L. The effect of interface charge on the quantum Hall effect 4—52133
Furnes, N. Practical results from FM broadcasting coverage in coastal areas and mountainous terrain in Norway: use of methods to reduce or avoid propagation problems 4—42868
Furnweger, C. High endurance EEROMs open system opportunities 4—58299

Furrer, B., Goette, J., Copeland, M.A., Lam, K.K.K. Comment on 'Noise-cancelling switched-capacitor (SC) filtering technique' [by K.K.K. Lam and M.A. Copeland with their reply] 4—41465
Fursei, G.N. *see* Anan'ev, L.L. 4—55654
Fursin, G.I. *see* Klimenko, Yu.M. 4—46373
Fursov, S.A. *see* Bubnov, G.G. 4—42988
Furst, E., Betts, W. Clinical engineering support for an academic medical center 4—49337
Furst, G.B. *see* Fisher, G.T. 4—57483
Furter, G. Production data acquisition terminals with new capabilities for the Siemens 300 systems 4—54058
Furuhama, Y. *see* Ihara, T. 4—47622
Furuhama, Y. *see* Manabe, T. 4—47593
Furuhashi, T. *see* Murao, Y. 4—36876
Furukawa, H. *see* Memita, N. 4—45128
Furukawa, I. *see* Makino, M. 4—38162
Furukawa, M. *see* Hara, T. 4—58955
Furukawa, M. *see* Kataoka, T. 4—32610
Furukawa, M. *see* Komori, A. 4—54556
Furukawa, O., Ishizuchi, H. Precoordination in quality control 4—35327
Furukawa, S. Techniques for producing SOI (silicon on insulator) structures—general view 4—46881
Furukawa, S., Kawata, O., Mukunoki, T. Designing a joint box for submarine optical fiber cable 4—38634
Furukawa, S., Matsumoto, N. Electrical properties in wide optical gap binary Si:H alloy containing a large amount of polysilane 4—58749
Furukawa, S. *see* Ishibashi, K. 4—41066
Furukawa, S. *see* Mahmudur Rahman, M. 4—41865
Furukawa, S. *see* Miyajima, Y. 4—38635
Furukawa, S. *see* Tsutsui, K. 4—51871
Furukawa, S. *see* Yamamoto, H. 4—50792
Furukawa, T. *see* Eib, N.K. 4—50961
Furukawa, T. *see* Nonaka, S. 4—57074
Furukawa, T. *see* Tanaka, H. 4—39566
Furukawa, Y. Chemical vapor deposition of insulating films using nitrogen trifluoride 4—41079
Furukawa, Y. *see* Suzuki, T. 4—31547
Furuno, D.S., McDermott, D.B., Lunmann, N.C., Jr., Vitello, P. Design and operation of a high-harmonic gyro-klystron amplifier 4—41768
Furuno, D.S. *see* McDermott, D.B. 4—36193, 4—41771, 4—41774, 4—58688, 4—58691
Furuno, T. *see* Morikawa, T. 4—62624
Furuno, T. *see* Nakajima, N. 4—42962
Furusawa, M. *see* Yokoyama, Y. 4—32411
Furuse, T. *see* Kaede, K. 4—42344
Furutsuka, T. *see* Higashisaka, A. 4—42138
Furuya, G., Hayashi, K., Araya, G., Yamada, K. Development of a high speed multilevel modem 4—32526
Furuya, K. *see* Koyama, F. 4—37365
Furuya, M. Trends of reliability engineering 4—46000
Furuya, N., Komagata, H., Okasaka, S. 30/20 GHz band SS-TDMA system design 4—38528
Furuyama, H. *see* Hirayama, Y. 4—42630
Fury, M.A. *see* Ahlgren, D.C. 4—30481
Fusaoka, A., Seki, H., Takahashi, K. Description and reasoning of VLSI circuit in temporal logic 4—58969
Fusco, V.F., Stewart, J.A.C. An integrated X-band microstrip movement sensor and its application in a microprocessor-based alarm system 4—32853
Fusheng Chen *see* Chen Fusheng
Fushimi, M. On low-discrepancy point sets in the square generated by M-sequences 4—57971
Fushimi, S., Nakayama, K. A discrete optimization method of switched capacitor filters 4—58452
Fushimi, S. *see* Shida, S. 4—51433
Fusi, L. *see* Vanden Heede, T.M. 4—51119
Fuss, D., Tull, C.G. Centralized supercomputer support for magnetic fusion energy research 4—32401
Fussell, J.A., Jr. Hand-held calculator programs to calculate motor starter terminal voltages, currents and primary line voltage dips [squirrel cage motors] 4—62542
Fussell, J.W. *see* Cowing, M.D. 4—53554
Fusui Liu *see* Liu Fusui
Futakawa, A., Fukunaga, T., Kawamura, H., Murakami, A. Impact wear phenomena of ground insulation in slot section 4—35566
Futcher, D., Schifreen, R., Young, K. Explore the world of videotex 4—60452
Futsukaichi, K. *see* Nakamura, K. 4—51192
Fuxi Gan *see* Gan Fuxi
Fuxin Zhou *see* Zhou Fuxin
Fuyuan Gao *see* Gao Fuyuan
Fuyun Gao *see* Gao Fuyun
Fuzesi, E., Kondor, T., Szlovik, G. DC power supplies of 20 kHz 4—57157
Fuzesi, E., Lencses, J. Complex power supply for railway safety system 4—56518
Fuzesy, R.Z., Hadley, N.J., Robrish, P.R. Design of the multiwire proportional detectors for the PEP-4 time projection chamber 4—55831
Fuzheng Zhou *see* Zhou Fuzheng
Fye, D.M. Practical limitations on optical amplifier performance 4—54800
G., Jr.White *see* White G., Jr.
Gaal, D. Digital electroacoustical transformers 4—33041
Gaal, I. *see* Tobias, F. 4—44596
Gabb, W.C. *see* Clark, A.P. 4—38375
Gabbe, D.R. *see* Handwerker, C.A. 4—59102
Gabel, A., Chang, I.-C. Wideband electro-optic modulators 4—52699
Gabel, C.W. *see* Valdmanis, J.A. 4—37231, 4—59266
Gabel, J. Energy management by internal remote control of lighting circuits 4—40592
Gabel, J. Specialists for the measurement of nonelectrical quantities 4—54172
Gabel, J., Heidrich, W., Worlitzer, M. The CEPT standard as foundation of a teletex service 4—32318
Gabel, R.A., Kurth, R.R. Hybrid time-delay/phase-shift digital beamforming for uniform collinear arrays 4—47855
Gaber, E. Measurement accuracy of the frequency-to-voltage converter with output sampling 4—33223
Gabidulin, E.M. Estimate of the free distance of convolution codes with rate $^1/_2$ 4—53413
Gabillard, B. *see* Frey, P. 4—29820
Gabl, E.F. *see* Bulson, J.M. 4—59756
Gabler, R., Kestner, W., Nicolin, B. The grouping of objects in aerial pictures 4—32064
Gablovsky, V., Kancir, F. An automated dispatch control system of the cascade on the river Vah 4—49496
Gabriel, A. Experiences and guidelines in the setting up of the Bildschirmtext service of the Bayerische Vereinsbank 4—54289
Gabriel, A. *see* Morgue, M. 4—49087
Gabriel, C., Dawkins, A.W.J., Sheppard, R.J., Grant, E.H. Comparison of the single reflection and total reflection TDS techniques 4—49002
Gabriel, C. *see* Barberis, N. 4—33917
Gabriel, R. Electronic speech synthesis with digital abridged text announcement storage 4—31922
Gabriel, T.A., Lillie, R.A., Childs, R.L. The use of Gd-loaded scintillation detector systems for inverse beta decay reactions 4—39433
Gabriel, W.F. A high-resolution target-tracking concept 4—38010
Gabrielli, L. *see* Fioretto, G. 4—32597
Gabrysch, G. Evaluation criteria for the installation of stoker and pulverized fuel firing in coal-fired industrial and district heating power stations 4—62375
Gabutti, B. On two methods for accelerating convergence of series 4—41031
Gaby, J.E., Hayes, M.H. Artificial intelligence applied to spectrum estimation 4—53725
Gac, J.V. *see* Bloom, R.D. 4—57082
Gacek, Z., Szendzielorz, A. Probabilistic characteristics of 6 kV cable power lines vulnerability in the mining field 4—56615
Gacs, I. *see* Radonyi, L. 4—34386
Gacsi, Z. *see* Passoja, A. 4—55992
Gadani, J.P. Transformations: Delta-star, star-delta and quadrilateral-star 4—50878
Gadd, S. Network management 4—43659
Gaddy, E.M. Computing the projected area of a spacecraft solar array with matrices 4—40469
Gadenne, P. *see* Coatanhay, J.-L. 4—60905
Gadhoke, B.S. *see* Uttam, S.P. 4—60678
Gadiyak, G.V., Obrekht, M.S., Yanenko, N.N. Numerical modeling of MNOS structures 4—36354
Gadkari, B.A. *see* Patnaik, L.M. 4—30172
Gadmashi, Z.P. *see* Suslikov, L.M. 4—59298
Gadola, S., Mathe, A. The possibility for a maximal revaluation of underground electric cables transmission capacity operating under variable regime with a daily cyclic load 4—39856
Gadrault, R. *see* Breuze, G. 4—42479
Gadzhiev, N.D. *see* Aliev, I.M. 4—30583
Gaensslen, F.H., Laux, S.E. P and N collar CMOS technology 4—52294
Gaensslen, F.H., Laux, S.E. High performance complementary technology 4—52295
Gaensslen, F.H. *see* Chamberlain, S.G. 4—30631, 4—36581
Gaeta, J. *see* Mullani, N.A. 4—33813
Gaffner, H.B. What is this thing called videotex? 4—48089
Gaffney, P.W. A performance evaluation of some FORTRAN subroutines for the solution of stiff oscillatory ordinary differential equations 4—57981
Gafurov, Kh.G., Krindach, D.P., Nazarov, B.I., Novoderezhkin, V.I. Energy characteristics of light from a passively mode-locked Ar^+ laser 4—37306
Gagarin, A.G. *see* Mityushin, A.I. 4—39320
Gagliano, J.A., Gregorwich, W. High-altitude atmospheric measurements at 92/183 GHz onboard the ER-2 research aircraft 4—39711
Gagliano, J.A., McMillan, R.W., Gallagher, J.J., Thompson, S.B. Vertical ground-based radiometric observations of the atmosphere at millimeter wavelengths 4—39300
Gagliardi, D. *see* De Ferra, P. 4—48363
Gagliardi, F., Carpinelli, G., Testa, A. HV transmission lines. Behaviour of a power system 4—45492
Gagliardi, F., Carpinelli, G., Testa, A. Influence of components: medium voltage cable and a medium/low voltage cabin 4—56631
Gagliardi, F., Losi, A., Martarelli, G., Testa, A. Some considerations on the reliability of low tension switches 4—51583
Gagliardi, F. *see* Carpinelli, G. 4—57135
Gagliardi, F. *see* De Martinis, U. 4—62044
Gagliardi, M.P. Understanding CMOS gate-array cell designs 4—41280
Gagliardi, M.P. A 13.5K CMOS gate array with 2300 dedicated analog transistors and 200 multifunctional I/O cells 4—58285
Gagliardi, R. *see* Kinman, P. 4—48460
Gagliardi, R.M. Time synchronization in optical PPM systems 4—31848
Gagliardi, R.M. *see* Divsalar, D. 4—38590
Gagnaire, A. *see* Clechet, P. 4—30454
Gagne, S. *see* Plamondon, R. 4—44707, 4—49200
Gagnepain, J.J., Olivier, M., Walls, F.L. Excess noise in quartz crystal resonators 4—30893
Gagnon, M. *see* Eldon, J. 4—30672
Gagnon, R. *see* Boulay, R. 4—39364
Gagnon, R. *see* Sharaf, A. 4—34107
Gagnon, W.F. *see* Ling, C.C. 4—49330
Gagny, B. *see* Powell, S.J. 4—33514
Gahlot, V.K. *see* Naidu, B.S.K. 4—50529
Gahn, R.F., Hagedorn, N.H., Ling, J.S. Single cell performance studies on the Fe/Cr redox energy storage system using mixed reactant solutions at elevated temperature 4—40517
Gahura, J., Sutoris, K. Unified series of the A1 asynchronous motors 4—49870
Gai, S., Mezzalama, M., Prinetto, P. ORION: an RTL based system for LSI-VLSI automated synthesis 4—30714
Gai, S. *see* Olla, F. 4—35849
Gai, S. *see* Somenzi, F. 4—35729
Gai Bing-zheng On the diffraction of electromagnetic wave by a perfect conductor 4—59726
Gaibotti, M. *see* Rosini, P. 4—51301
Gaidamachenko, M.A. *see* Sakhnenko, A.V. 4—29542
Gaidashev, V.I. *see* Shchutskii, V.I. 4—49596
Gaidelis, V., Girdziusas, A., Juozapavicius, R. Photogeneration quantum yields of poly-N-epoxypropylcarbazole 4—31221
Gaidelis, V., Kalade, J., Montrimas, E., Jurevicius, D. Effect of luminescence on the contrast of the electrophotographic image in organic layers 4—59316
Gaidelis, V.J., Girdziusas, A.J. Photodischarge kinetics of electrophotographic layers of poly-N-epoxypropylcarbazole 4—59319
Gaidetzka, H. *see* Kastens, T. 4—56821
Gaidos, J. *see* Aprile-Giboni, E. 4—55812
Gaidov, S.D. Basic optimal strategies in stochastic differential games 4—57906
Gaiduchok, R.M. *see* Kirianaki, N.V. 4—44454
Gaiduk, V.I. *see* Tseitlin, B.M. 4—47514
Gaidukova, V.S., Efimova, B.A., Kazanskaya, O.A., Kosolapova, E.F. Thermoelectric properties of extruded $Sb_{2-x}Bi_xTe_3$ melts 4—30377
Gaiibov, T.Sh. *see* Yuldashev, Kh.Yu. 4—56557
Gailit, T.A., Gusev, V.D., Erukhimov, L.M., Shpiro, P.I. Spectrum of phase fluctuations obtained in sounding the ionosphere 4—39709
Gaind, A.K. *see* Barbee, S.G. 4—58045
Gaines, B.R. From word processing to image processing in office systems 4—32427
Gaines, B.R. *see* Shaw, M.L.G. 4—32423
Gaines, D.P. *see* Russel, R.F. 4—54880, 4—60909
Gaines, G.B. *see* Deringer, G.C. 4—36102
Gaines, J.M. *see* Pratt, T. 4—31660
Gaines, R.F. *see* Jaffe, D.L. 4—56198
Gainutdinov, N.I. *see* Bogdanov, V.G. 4—57131
Gais, P. *see* Jutting, U. 4—38064
Gaisak, I.I., Gornov, M.G., Gurov, Yu.B., Lukin, A.S., Morokhov, P.V., Oganesyan, K.O., Osipenko, B.P., Pasyuk, E.A., Pechkurov, V.A., Pichugin, A.P., Porokhovoi, S.Yu., Rozov, B.S., Savel'ev, V.I., Sergeev, F.M., Khomutov, A.A., Shafigullin, R.R. Automated electronic system for a multilayer semiconductor spectrometer 4—49073
Gaisi, R.M. *see* Jundanian, R.H. 4—44713
Gaisser, T.K., Stanev, T. Calibration with cosmic ray neutrinos 4—55813
Gaisser, T.K., Stanev, T., Bludman, S.A., Lee, H. The angular distribution and flux of atmospheric neutrinos 4—33736
Gait, J. Communications security for electronic funds transfer systems 4—54030
Gaitanis, F., Kroesen, R. Off-chip driver delay measurement using recirculating loops 4—35908
Gaitanis, F., Kroesen, R. Input and output circuit block delay measurements 4—35909
Gaitsgori, V.G., Pervozvanskiy, A.A. Decomposition and aggregation in problems with a small parameter 4—35389
Gajda, G.B., Douville, R.J.P. A linearization system using RF feedback 4—29689
Gajdardziska, M. *see* Mavrodiev, G. 4—30352
Gajewski, J.B. Charge measurement of dust particles in motion. II 4—33453
Gajewski, J.B. Mathematical model of non-contact measurements of charges while moving 4—33552

Gajewski, W. *see* Jones, T.W. 4—55811
Gajic, L. *see* Hadzic, O. 4—46153
Gajjar, J.T. *see* Rustay, R.C. 4—32623
Gajkiewicz, J. *see* Nowakowski, A. 4—36803
Galakhov, V.A. *see* Aleksanyan, A.A. 4—37828
Galaktionov, Y. *see* Artemiev, V. 4—61684
Galaktionov, Yu. *see* Arefiev, A. 4—55843
Galamb, I., Hamori, J. Type testing of motor-driven and thermal household appliances at the Hungarian Electrotechnical Control Institute (MEEI) 4—45773
Galambas, J.W. *see* Curlett, P.L. 4—49756
Galan, I., Remesal, A., Diaz, C. Fast record line for pressure measurement in coal mining 4—61451
Galand, C. Sub-band quantizing method for speech signals 4—53463
Galand, C., Couturier, C., Platel, G., Vermot-Gauchy, R. Voice excited predictive coder (VEPC) implementation on 10 MIPS signal processor 4—53562
Galand, C.R., Nussbaumer, H.J. New quadrature mirror filter structures 4—47843
Galand, G., Vermot-Gauchy, R. Overflow control in voice coder 4—48302
Galandarov, G.A., Faradzhev, F.E., Akopyan, E.A., Yusifov, A.A., Nikolaev, M.I., Shnigel', O.N. Investigation of p-$Pb_{0.8}Sn_{0.2}Te$-n-$PbSe_{1-x}Te_x$ heterojunction photodiodes with matched lattice parameters 4—47354
Galanos, G., Vovos, N., Giannakopoulos, G. Combined control and protection system for improved performance of HVDC links in the presence of AC faults 4—49585
Galanov, E.K., Mel'nik, R.I. Homogeneity of epitaxial layers of Si and GaAs by the method of flaw detection in the spectral range 940 cm^{-1} 4—58849
Galanov, E.K., Mel'nik, R.I., Leikin, M.V. Flaw detector for checking the uniformity of free-carrier concentrations in semiconductors 4—46261
Galanov, E.K., Potikhonov, G.N., Stepkina, L.V. Long-wave IR magnetopolarimeter 4—37180
Galanskiy, V.L., Miller, A.A. Emission from a reverse-biased MIM cathode 4—30247
Galante, F.M. The Eutelsat regional satellite system 4—44067
Galaup, J. *see* Le Gall, M. 4—38601
Galazka, R.R. *see* Karczewski, G. 4—37389
Galbraith, D.C. *see* Kuo, J.-B. 4—51428
Galbraith, I.A. Teletex and electronic mail: the shape of things to come 4—54155
Galchenkov, D.V. *see* Malyshkin, M.A. 4—30337
Gal'dikas, A., Mitskyavichyus, S., Osipov, V.V., Samokhvalov, A.A. Changes and relaxation of the resistance and magnetization of a magnetic $HgCr_2Se_4$ semiconductor under nonlinear ferromagnetic resonance conditions 4—36299
Gale, D.J. The Canadian VLSI Implementation Centre 4—30726
Gale, F.C. Productivity factors in measurement technology 4—44388
Gale, I.N., Rollin, K.E. The geothermal resources of the United Kingdom 4—34259
Gale, L.J. *see* Grainger, J.J. 4—62173
Gale, R. *see* Feigl, F.J. 4—36344
Galea, J. *see* Deutscher, R.L. 4—34838
Galeeva, A.I. *see* Maier, G.V. 4—42512
Galek, I. Analysis of touch voltage and the earthing manner of power plant fence 4—39921
Galekovic, B., Flam, D. Some aspects of quality and reliability improvement for program controlled telecommunication systems using adequate selection and screening of electronic components 4—57870
Gales, S. *see* Shapira, J.-P. 4—61727
Galgoci, E.C. *see* Runt, J. 4—36932
Galic, J. *see* Feri, I. 4—56972
Galimulin, N.N., Porkhoriler, V.L. Study of cooling characteristics of 500 MW power unit medium pressure bypass circuit 4—40100
Galin, I. A new W-band waveguide Gunn oscillator 4—36066
Galin Israel *see* Israel Galin
Galindo, S. *see* Jimenez-Dominguez, H. 4—33777, 4—61346
Galindo-Israel, V., Mittra, R. Shaped reflector beam waveguide and high gain antenna systems 4—31774
Galindo-Israel, V., Mittra, R. Synthesis of offset dual shaped subreflector antennas for control of Cassegrain aperture distributions 4—53285
Galishnikova, Yu.N. *see* Bilenko, D.I. 4—30369
Galitskas, A.A. Multiple-frequency reference synthesizer 4—61320
Galkin, G.N. *see* Epifanov, M.S. 4—45660
Galkin, L.A. *see* Skripnik, Yu.A. 4—44639
Galkowski, A. *see* Badziak, J. 4—47422
Gall, F.Le *see* Le Gall, F.
Gall, H.Le *see* Le Gall, H.
Gall, M.Le *see* Le Gall, M.
Gall, P.Le *see* Le Gall, P.
Gallabresi, S. Neutral arrangements in electrical systems 4—39927
Gallabresi, S. The choice of neutral state. [earthing] 4—45154
Gallabresi, S. Low-voltage circuit breakers in service 4—57257
Gallagher, J.J. *see* Gagliano, J.A. 4—39300
Gallagher, J.P., Li, P.C. Gas injector for nitride deposition using 2% silane gas 4—30530
Gallagher, N.C., Sweeney, D.W. Microwave kinoform for magnetic fusion 4—59630
Gallagher, N.C., Jr. *see* Nodes, T.A. 4—53612, 4—53933
Gallagher, P. *see* Savage, L.A. 4—49656
Gallagher, P.K. *see* Nakahara, S. 4—46981
Gallagher, R.B. European cable and satellite TV at the crossroads 4—54695
Gallagher, T.F. *see* Tran, N.H. 4—31489
Gallagher, W.J. *see* Adamski, J.L. 4—47485
Gallagher-Daggitt, G. Fuel cells for transport 4—62693
Gallanti, M. *see* Clapis, A. 4—40191
Gallantree, H.R. A PVDF array for a 360° scanning sonar 4—54908
Gallantree, H.R. *see* Howie, P.A. 4—52366
Gallardo, J. *see* Amir, A. 4—47474
Gallawa, R.L. *see* Chamberlain, G.E. 4—38652
Gallentine, D.O. *see* Bohlander, R.A. 4—37593
Gallerie, R.J. *see* Callan, P.C. 4—61210
Gallesio, A., Guasco, C., Liberatore, M., Ottaviani, G., Pollino, E. Reliability investigation on RF transistors 4—30600
Galleth, H., Rieder, R. The technical system concept and control centre design of the network command centre of the HEAG 4—34168
Galletti, A. *see* Stecco, S.S. 4—34451
Galli, F. Power control system and station remote control for Enel generation and transmission system 4—56385
Galli, J. *see* Gilchrist, B. 4—39196
Gallia, J.D. *see* Troha, D.G. 4—51047
Gallio, M. *see* Bressani, T. 4—33695, 4—39427
Gallion, P.B., Debarge, G. Quantum phase noise and field correlation in single frequency semiconductor laser systems 4—42688
Gallman, T.W., Krysiuk, G. Automatic operator notification of sensor performance degradation 4—48712
Gallo, A. *see* Callarotti, R.C. 4—42899
Gallo, A. *see* Consoli, A. 4—57027
Gallo, A. *see* Fortuna, L. 4—34503, 4—34688
Gallo, S. *see* Canavesio, F. 4—61094
Gallo, S.A. A generalization of Thevenin's theorem for linear systems 4—29601
Galloni, R., Favero, L., Mazzone, A.M., Lulli, G., Zignani, F., Morettini, L. Tailored emitter ion-implanted silicon solar cells 4—34895
Galloway, K.F. *see* Brodfuehrer, B.P. 4—29154
Galloway, R.B., Sharaf, J.M. The temperature dependence of pulse shape discrimination with NE213 scintillation counters 4—55978
Galloway, T.R. New developments in energy recovery with organic Rankine bottoming cycles 4—34403
Galloway, T.R., Pack, G.E., Patterson, J., Chiaramonte, J. Progress toward the Hercules coke-to-methanol plant 4—35092
Galloway, T.R., Waidl, J. New techniques in handling heavy California crude oil in refineries 4—35096
Gallwitz, B., Hillenbrand, F., Landgraf, C. A proposal for avoiding the direct measurement of speed and angular position of the synchronous machine 4—56979
Galnulin, Yu.G. An electromechanical coal-dust level digital indicator in a bunker 4—39231
Galperin, I., White, W. Capacitor film surface assessment studies 4—36928
Gal'perin, V.E. *see* Bogach, V.G. 4—62039
Gal'perina, A.N. Design of half-wave and full-wave ultrasonic systems using piezoelectric transducers and concentrators 4—62010
Galpern, A.D., Denisyuk, Yu.N., Rozhkov, B.K. Quality of a system forming an integral-holographic three-dimensional image 4—47528
Galpern, A.D., Rozhkov, B.K. Reduction of hologram area in an image recording system 4—47524
Galpern, H.N. A new thermal aging facility for the evaluation of generator stator insulation systems 4—40218
Galunov, N.Z., Gen, N.S., Krishtal, E.E., Tsirlin, Yu.A. Setup for investigating the shape of scintillation-light pulses from thin scintillators with the technique of individual photon counting 4—33719
Galunov, N.Z., Kopina, I.V., Mitsai, L.I., Tsirlin, Yu.A. Influence of the diffusion of light from scintillations upon the shape of the scintillation pulse in cylindrical plastic scintillators 4—39456
Galushkin, M.G., Seregin, A.M., Fedorov, A.B., Cheburkin, N.V. Influence of diffusion of excited particles on wavefront reversal in a gaseous medium 4—42714
Galushko, Yu.V. *see* Nemoshkalenko, V.V. 4—49078
Galuzo, S.Yu. *see* Aleksandrov, A.F. 4—30259
Galvan, J. Microcomputers and Holter systems 4—49245
Galvas, R. *see* Hardee, K. 4—51308
Galvin, G.J. *see* Thompson, M.O. 4—46915
Galwas, B.A. A homodyne measurement system for narrow resonance linewidth of ferrite spheres 4—33438
Gamal, A.A.El *see* El Gamal, A.A.
Gamal, A.El *see* El Gamal, A.
Gamaleja, T., Hoy, C., Lunze, J., Wilfert, H.-H. Problems in the design of a decentralized branch point voltage regulator 4—50966
Gaman, V.I. Current-voltage characteristics of diode structures based on gallium arsenide doped by manganese or iron 4—58888
Gamand, P., Crosnier, Y., Gelin, P. Large-signal capabilities and analysis of distributed amplifiers 4—29674
Gamazin, S.I., Poltavtsev, O.V., Pupin, V.M. Definition of the theoretical moment characteristics of synchronous turbogenerators with a brushless excitation system 4—62508
Gamazov, A.A. Producing solid solutions of semiconducting compounds 4—29450
Gambarelli, G. Common behaviour of power indices 4—29339
Gambe, H., Ikezawa, T., Hasu, S., Murano, K., Unagami, S., Tomita, Y. A high speed DPS LSI and its applications 4—32002
Gambhir, S.K. *see* Oh, I. 4—62335
Gambino, G., Spelta, C., Zanetti, O. Technical and legal aspects of DPR 675 and 727 of 21-VII-'82 covering electrical equipment intended for use in potentially explosive atmospheres 4—29202
Gambino, R.J., Ruf, R.R. High magnetization films with low eddy current losses 4—52448
Gamboa, I., Espinosa, G., Moreno, A., Golzarri, J.I. Uranium determination in mineral rocks by SSNTD 4—55936
Gamboa, I., Jacobson, I., Golzarri, J.I., Espinosa, G. Uranium contents determination in commercial drinkable milk 4—56218
Gamboa, I. *see* Castillo, F. 4—55938
Gamboa, I. *see* Diaz, T. 4—55883
Gamboa, I. *see* Espinosa, G. 4—55935
Gamboa, I. *see* Jacobson, I. 4—56219
Gambosi, G., Bovet, D.P., Menasce, D.A. A detection and removal of deadlocks in store and forward communication networks 4—48283
Games, R. Correlations of sequences and finite projective geometry 4—43057
Gamilko, V.A. *see* Gavrikov, V.I. 4—62660
Gamiz, J.Sada *see* Sada Gamiz, J.
Gammon, J.A. *see* Epstein, C.M. 4—33843
Gammon, R.W. *see* Alexander, E.M. 4—52756
Gamo, K., Namba, S. Maskless fabrication using focused ion beams 4—36381
Gamo, K., Takakura, N., Samoto, N., Shimizu, R., Namba, S. Ion beam assisted deposition of metal organic films using focused ion beams 4—46239
Gamo, K., Yamashita, K., Namba, S. Nanometer pattern delineation by electron and ion beam lithography 4—30479
Gamo, K. *see* Harakawa, K. 4—39173
Gamo, K. *see* Ochiai, Y. 4—52007
Gamo, K. *see* Oraby, A.H. 4—30478
Gamo, K. *see* Takai, M. 4—46219, 4—50800, 4—50801
Gampe, F. Docking mechanism for in-orbit assembly and spacecraft servicing 4—44837
Gams, M., Bratko, I. A circuit analysis program that explains its reasoning 4—50909
Gams, M. *see* Spegel, M. 4—46673
Gan, T., Bockmair, M. Ka- and W-band printed circuit balanced mixers 4—51534
Gan Baihui *see* Zhou Fuzheng 4—31446
Gan Fuxi Laser-material research in China 4—37276
Gan Fuxi, Chen Shuchun, Hu Hefang The non-radiative energy-transfer process in Nd-doped laser glasses 4—31367
Gan Fuxi, Jin Deyun, Huang Guosong, Chen Shizheng Transient stimulated Raman scattering in glass fiber 4—53058
Gan Fuxi *see* Deng He 4—42722
Gan Sun *see* Sun Gan
Gan Xu, King, T.A. Coherent pulse propagation and self-induced transparency on degenerate transitions in atomic iodine 4—52912
Gan Xu, King, T.A., Bannister, J.J. Pulse reshaping in coherent interaction with a resonant absorber and application to measurement of homogeneous relaxation time 4—37448
Gan Xu, King, T.A., Bannister, J.J. Self-induced transparency on degenerate magnetic dipole transitions 4—42709
Gan Zizhao, Yang Guozhen A theory of coherent propagation of light waves in semiconductors 4—37468
Ganapathy, V., Raghurami Reddy, D., Reddy, P.S. Comments on 'Decision methods and realizations of 2-D digital filters using minimum number of delay elements' 4—41498
Ganapol, B.D., Filippone, W.L., Garth, J.C. A transport description of X-ray photo-electron emission in thick targets 4—58985
Ganchev, T.Ya. *see* Khadzhigenova, N.P. 4—56809
Gandara, M.J.Otero de la *see* Otero de la Gandara, M.J.
Gander, R.E. *see* Berube, J.L. 4—44758
Ganderton, D. RTTY with the ZX81. II 4—38213
Gandhi, O.P. *see* Gu, Y.-G. 4—56176
Gandini, M., Pucci, G., van Veen, W.M.D. Use of semicustom circuits in an integrated terminal for videoconference 4—61096

Gandini, M. *see* Ambrosio, R. 4—32522, 4—32532
Gandy, C. Antenna requirements for reception of 12 GHz direct broadcast satellites 4—37755
Ganesan, A. Analog integrated circuits: past and future trends 4—36800
Ganesan, K. *see* Lee, C.-H. 4—59996
Ganesan, S., Muralidharan, R., Jain, S.C. Photovoltaics in India 4—50091
Ganezer, K.S. *see* Jones, T.W. 4—55811
Gang Guanyuan *see* Tang Shing 4—31448
Gang Li *see* Li Gang
Ganger, B. The effect of gaps and cavities on the electric strength of highly utilized epoxy resin insulations 4—42190
Ganglbauer, O. *see* Rose, J. 4—46268
Gangolf, J.J. *see* Mariani, J. 4—53482
Gangopadhyay, R., Chakraborty, N.B. Normal mixture approximation to non-Gaussian noise due to impulsive disturbance 4—43374
Ganguly, A. *see* Ahn, S. 4—41783
Ganguly, A.K., Ahn, S. Large-signal theory of a two-stage wideband gyro-TWT 4—36216
Ganguly, A.K., Chu, K.R. Limiting current in gyrotrons 4—46763
Ganguly, A.K., Freund, H.P., Jackson, R.H., Parker, R.K. Three-dimensional theory of ubitron 4—37274
Ganguly, A.K., Freund, H.P., Parker, R.K., Jackson, R.H. Theory of ubitron amplifier 4—36226
Ganguly, A.K., Jackson, R.H., Freund, H.P., Parker, R.K., Sedlak, C.A., Nagurney, M. A K_a-band Ubitron 4—59380
Ganguly, A.K. *see* Chaudhuri, B. 4—33773
Ganguly, A.K. *see* Freund, H.P. 4—30262, 4—52838
Ganguly, A.K. *see* Jackson, R.H. 4—37275
Ganichev, D.A., Mokrov, A.B. Secondary-emission multiplication of electrons in microwave electric fields 4—59718
Ganichev, S.D., Emel'yanov, S.A., Terent'ev, Ya.V., Yaroshetskii, I.D. Drag of carriers by photons under conditions of multiphoton absorption of submillimeter radiation in *p*-type germanium 4—58723
Ganichev, S.D., Emel'yanov, S.A., Yaroshetskii, I.D. Dynamic change in the photoconductivity sign in *n*-Ge in intense submillimeter radiation 4—37199
Ganin, V.V. *see* Pashchenko, V.P. 4—29543
Ganiy, S.A. *see* Remer, D.S. 4—35269
Ganley, J.T., Morissette, R.P., Ketchen, D.W. Monitored retrievable storage of nuclear waste in the United States 4—49691
Ganley, O.H. How appropriate is appropriate information technology? 4—32159
Gann, R.G. *see* Kato, Y. 4—41986
Gannon, J.R. Materials for mid-infrared waveguides 4—37085
Gannon, P.M. *see* Brandt, H.R. 4—51218
Gannon, T.F., III The communications highway [ISDN] 4—54005
Ganpate, V.K. *see* Dalal, M.V. 4—36969
Gans, W.L. Calibration and design considerations for coaxial pulse time delay standards 4—44622
Gan'shin, V.A., Korkishko, Yu.N., Petrova, V.Z. Fabrication of out-diffused $LiNbO_3$ optical waveguides at low temperatures in molten salts 4—59249
Gan'shin, V.A. *see* Petrova, V.Z. 4—42393
Ganssmantel, H. ECS, the European communication satellite system 4—48432
Gantseva, T.I., Solodchina, S.I. Micro structure of molybdenum and their effect on the quality of incandescent lamps 4—62793
Ganz, J. *see* Weissmann, G. 4—31460
Ganzha, V.A. *see* Apanasevich, P.A. 4—59584
Ganzherli, N.M. *see* Barannikov, A.L. 4—37497
Gao, J.P., Rudolph, L.D., Hartmann, C.R.P. Soft decision decoding using a modified gradient method and multiple information sets 4—47783
Gao, X., Kikuchi, Y., Kasuya, H. An improved algorithm of autocorrelation pitch detection 4—53480
Gao Deqing *see* Liu Peitian 4—59479
Gao Dianhua, Wu Gensheng A programmable real-time data processor 4—48057
Gao Fuyuan, Wang Wenyao, Zao Jiran, Chen Shuqin, Jian Minhua, Qiu Peihua Self-gating by intense green light in optical Kerr shutter 4—31470
Gao Fuyun *see* Deng Ximing 4—31535
Gao Guangming, Liu Guocun Experimental research on simplified type of third-order digital muldex 4—60583
Gao Peijuan *see* Yang Tianlong 4—59609
Gao Qinghua *see* Yang Hongjun 4—50020
Gao Qixia *see* Liu Peitian 4—59479
Gao Rufang *see* He Maoqi 4—37324
Gao Shuqi *see* Ma Jimao 4—49092
Gao Weibin *see* Zhou Bojun 4—46214
Gao Wen-xiu *see* Xu Zhi-qing 4—44691
Gao Wen-xiu *see* Zhang Liang-sheng 4—33746
Gao Wenqi *see* Ye Quanshu 4—37474
Gao Xuanzheng *see* Guo Jianjian 4—59879
Gao Yuchang *see* Zhang Yaolin 4—54335
Gao Zhi, Zhao Lie, E Xuequan Generalized kinetic model of CW flow chemical lasers 4—37317
Gao-Zhi Shen, S. *see* Scott, G.W. 4—31345
Gaponenko, Yu.L. Positive solutions of nonlinear boundary value problems 4—46199
Gaponov, S.V., Gusev, S.A., Salashchenko, N.N., Churin, S.A. Epitaxial growth of lead chalcogenide films 4—29480
Gaponyuk, V.D. *see* Zhelyaletdinov, R.Ya. 4—39840
Gappoyev, A.B. *see* Gaybullayev, S. 4—52077
Garate, E. *see* Walsh, J. 4—37252
Garavaglia, M. *see* Tocho, J.O. 4—59466
Garay, O., Balzano, Q. An antenna for a portable data terminal 4—59854
Garay, O. *see* Balzano, Q. 4—61843
Garben, B., Schorer, G. Improving the yield and reliability during the production of monolithic integrated circuits 4—42104
Garber, E.M., Haus, H.A. Synthesis of high performance SAW filters with nonuniformly spaced fingers 4—52388
Garber, W. *see* Berry, P. 4—55737
Garber, W.A. *see* Cross, E.F. 4—55230
Garbin, D.A. *see* Fischer, M.J. 4—31808
Garbinski, P.A. *see* Chen, C.Y. 4—37232, 4—55478, 4—55496
Garbuzov, D.Z., Agafonov, V.G., Agaev, V.V., Lantratov, V.M., Chudinov, A.V. Effective transfer of excitation from the emitter to the active region during photoluminescence of InGaAsP/InP double heterostructures 4—42468
Garbuzov, D.Z., Chudinov, A.V., Agaev, V.V., Chalyi, V.P., Evtikhiev, V.P. Luminescence and threshold characteristics of optically excited InGaAsP/InP double heterostructures ($0.94<\lambda<1.51\ \mu$) 4—47470
Garbuzov, D.Z., Davidyuk, N.Yu., Pushnyi, B.V., Tupitskaya, N.A. Supershort end-emission AlGaAs sources with $\eta_e \approx 10\%$ ($T=300K$) 4—52819
Garbuzov, D.Z. *see* Alferov, Zh.I. 4—47471
Garci, N., Munoz, C., Sanz, A. Universal compression lossless code statistically built 4—60264
Garcia, A., III *see* Kallis, J.M. 4—40455
Garcia, C. *see* Moss, C.E. 4—44686
Garcia, G., Fallou, B. Equipment for the energy measurement of partial discharges 4—61480
Garcia, H.A. Geometric aspects of solar disruptions in satellite communication 4—60764
Garcia, J. *see* Cabestany, J. 4—47008
Garcia, J. *see* Mas, A. 4—34763
Garcia, J.M. *see* Le Gall, F. 4—48023
Garcia, J.-M. *see* Gopinath, B. 4—53330
Garcia, J.M.Monje *see* Monje Garcia, J.M.
Garcia, M.S. Design of a setup bus expansion interface [telemetry] 4—48777
Garcia, N., Calero, A. Faster phase only image reconstruction 4—53923
Garcia, N. *see* Sanz, A. 4—53894
Garcia, O. *see* Sansen, W. 4—49185
Garcia, R. How the free-running clock leaves the crystal behind 4—36702
Garcia, R. The Fairchild Sentry 50 Tester: establishing new ATE performance limits 4—55188
Garcia, R. *see* Grant, T.J. 4—36222
Garcia del Castillo, L. *see* Wunsch, D. 4—40261
Garcia Moll, M. *see* Bayes de Luna, A. 4—49248
Garcia Reina, F. *see* Diaz Arencibia, P. 4—37241
Garcia-Camarero, E., Arjona, F., Fatas, E. Electrochemical method for improving the spectral response of CdS/Cu_2S heterojunctions 4—62706
Garcia-Camarero, E. *see* Escosura, L. 4—36277
Garcia-Colevatti, J.L. *see* Warter, P.J. 4—41510
Garcia-Fernandez, M.A., Eizaguirre, J., Moreno, M., Banuelos, F. Normal patterns of wall motion of the right ventricle: a two dimensional echocardiographic study 4—49267
Garcia-Garduno, M. *see* Noyola-Isgleas, A. 4—49219
Garcia-Gomez, R. *see* Casar-Corredera, J.R. 4—34264
Garcia-Gomez, R. *see* Trancoso, I.M. 4—53520
Garcia-Leon, M. *see* Holm, E. 4—55999
Garcia-Torano, E. *see* Acena, M.L. 4—56018
Garcia-Vazquez, J.L.A., Sanchez-Sinencio, E. Finite gain-bandwidth product effects on a pair of pseudo-N-path SC filters 4—46569
Garcin, G. *see* Marcille, R. 4—62324
Gard, L. Impressions on the state of the art 4—43506
Garde, D., Oxaal, J. 16-bit-slice family creates ultrafast digital signal processors 4—41371
Garde, S. Remote equipment control using value added networks 4—32445
Garde, S. Remote equipment control in value-added networks 4—60437
Gardiner, G. EPROM emulation for software development 4—35780
Gardiner, G.S. A multiprocessor data communications link 4—54362
Gardiner, J.G., Heathman, A.C. Predicting intermodulation levels at communal transmitting sites 4—37681
Gardiner, J.G. *see* Watson, P.A. 4—38499
Gardiner, P.C. *see* Gruver, W.A. 4—57759
Gardiol, F. Interconnection effects [electrical circuits] 4—37686
Gardiol, F. *see* Sphicopoulos, T. 4—30076
Gardiol, F.E. *see* Prost, L. 4—52825
Gardner, C.G. *see* Zaman, A.J.M. 4—29554, 4—30137
Gardner, J. Monitoring progress 4—55269
Gardner, L.B. Managing the integration of robotics with ATE 4—36139
Gardner, M.L. *see* Kenison, L.M. 4—58641
Gardner, R.M. *see* Calhoun, C. 4—50300
Gardner, R.N., Rinehart, T.A., Johnson, L.H., Freese, R.P., Lund, R.A. Characteristics of a new high C/N magneto-optic media 4—47311
Gardner, S., Levy, E. Use of forward error correction in a ground-to-air-to-ground telemetry and control links 4—55287
Gardner, W.A. Learning characteristics of stochastic-gradient-descent algorithms: a general study, analysis, and critique 4—47871
Gardner, W.D. Electronic mail: slow to catch on, but users like it 4—43675
Garel-Jones, P.M. *see* Vella, P.J. 4—52659
Garetti, E. *see* Belforte, P. 4—60593
Garey, M.P. *see* Kahn, D.R. 4—35090
Garey, M.R. *see* Agrawala, A.K. 4—40921
Garforth, D.L., Anderson, R.S., Kwong, W.C., Knowles, R., Clark, B.D., Durocher, M., Litchfield, J.F. Study of operational considerations of feeder links to broadcasting satellites 4—32763
Garg, N.K. *see* Morgera, S.D. 4—48505
Garg, R. *see* Bhattacharyya, A.K. 4—42953
Garg, R.K. *see* Bhatnagar, P.K. 4—40451
Garg, R.K. *see* Pranhan, M.M. 4—61395
Garg, S.C. *see* Somayajulu, Y.V. 4—47613
Garg, S.P., Sharma, R.C. Investigations of X-ray response of single wire anode Ar-N_2 flow type gas scintillation proportional counters 4—55828
Garg, V.K. *see* Barton, M.L. 4—31562
Gargantini, I. *see* Atkinson, H.H. 4—43404
Gargour, C.S., Ramachandran, V. Stray insensitive switched capacitor biquadratic filter using a bilinear integrator as a generating circuit 4—41482
Garibotto, G. Digital processing of X-ray images 4—32075
Gariepy, L., Decarie, J. A system of notation for electro-acoustic music: a proposition 4—48645
Garijo, A. *see* Torrado, E. 4—49280
Garkusha, Yu.A. Transducer for preset correspondence of temperature and level of liquids in vessels 4—33273
Garmany, W.J., Johnson, V.L., Romer, W.J. Loran-C navigation system for Saudia Arabia 4—38713
Garmash, V.A. Spanish data transmission system IBERPAC 4—32464
Garmire, E.M. *see* Tavis, M.T. 4—59515
Garn, L.E. Fundamental noise limits of thermal detectors 4—33312
Garn, W. Modern conductor technology [power station automation] 4—56796
Garnache, R.R. *see* El-Kareh, B. 4—35804
Garnaker'yan, A.A. Determination of the principal direction of propagation of sea waves by airborne radar 4—49477
Garneau, J.-L. Economic considerations relating to the implementation of a regional satellite system 4—60805
Garner, R. The ebb and flow of the telecom debate 4—32173
Garner, R. New operators for telecoms lines 4—54015
Garner, T. Resale today...bypass tomorrow? [telecommunication] 4—43523
Garnett, E.S. *see* Nahmias, C. 4—33816
Garnier, F. *see* Roncali, J. 4—59354
Garnier, J.L. *see* Gazanhes, C. 4—53670
Garrad, A.D. *see* Armstrong, J.R.C. 4—34541
Garrett, C. Tides and tidal power in the Bay of Fundy 4—62445
Garrett, I. Digital pulse-position modulation over dispersive optical fibre channels 4—31846
Garrett, I. Digital pulse-position modulation over slightly dispersive optical fibre channels 4—43085
Garrett, I. *see* Smith, D.R. 4—54740
Garrett, J. TACS: the UK standard for cellular radio 4—60710
Garrett, J.E., Haislmaier, R.J. EMC for forces afloat 4—37632
Garrett, J.F., Jackson, A., Kelleher, J., Light, A. EMC design feedback and analysis data management program 4—37633
Garrett, K. *see* Fujishin, E. 4—59046
Garrido, J., Castano, J.L., Piqueras, J. Growth solution baking effects on the residual impurities in GaAs liquid-phase-epitaxial layers 4—50778
Garriga, P.C. *see* Lefler, L.F. 4—48459
Garrison, M.C. Three-phase diagrams for controlling thin film media magnetic parameters 4—42271
Garrod, S.A.R., Lindenlaub, J.C. Instructional materials for a microelectronic fabrication laboratory 4—35209
Garrone, G. Testing digital and linear ICs with the LTS-2000 test system 4—48686
Garroux, D. *see* Cazcarra, V. 4—58870
Garside, B.K. *see* Rolland, C. 4—31290
Garside, B.K. *see* Sundaram, K.B. 4—41951
Garside, J.R., Pickard, R.M. Microprocessor control system for a high precision specimen stage 4—55225
Garskamp, A. *see* Beunders, J.W. 4—38802
Garteen, H. *see* Berouti, M. 4—53518

Garth, E., Gray, F. Using plastic leaded chip carriers 4−40861
Garth, J.C. Theoretical model for photoelectron transport in X-ray lithography systems 4−36376
Garth, J.C. *see* Ganapol, B.D. 4−58985
Gartland, E.C., Jr. Accurate approximation of eigenvalues and zeros for selected eigenfunctions of regular Sturm-Liouville problems 4−46143
Gartner, H.A. *see* Langen, B. 4−43702
Gartner, H.M., Nagarajan, A., Sharif, A., Sorbello, F. Ion implantation process for a low barrier Schottky barrier diode product 4−42144
Gartner, J. 8 bit random generator 4−57898
Gartner, K. *see* Beis, U. 4−61076
Gartshtein, B.N. *see* Smelyakov, V.V. 4−55365
Gartside, C.H., III, Hotchkiss, L.C., Sprow, R.B., Voss, D.H., Jr. Design and performance of commercially manufactured single-mode lightguide cable 4−52654
Gartside, C.H., III *see* Philen, D.L. 4−52688
Garue, S., Silvestri, L., Storti, S. Full-custom design with Zodiac System 2 4−59019
Garue, S. *see* Silvestri, L. 4−52268
Garverick, S.L. *see* Feldman, J.A. 4−53539
Garvey, J. *see* Astbury, A. 4−33756
Garvin, C. *see* Berg, N.J. 4−52743
Garwacki, W. *see* Sears, A.R. 4−36544
Gary, C. Comprehensive approach to multi-wire wave propagation at high frequency through the application of complex matrices [carrier transmission] 4−54616
Garzon, I.M. Computer generated phase contrast filters 4−42452
Gasanov, L.S. Effect of light and magnetic field on double injection in semiconductor layers 4−30308
Gasanova, L.G., Magomedov, A.Z., Kyazymzade, A.G., Tagirov, V.I. Some electrical and photoelectric properties of p-GaSe-n-$Cu_3In_5S_9$ heterojunctions 4−46857
Gasanova, N.A. *see* Dzhamalov, N.A. 4−30424
Gasch, A., Wedding, B., Jager, D. Multistability and soliton modes in nonlinear microwave resonators 4−46603
Gasch, A. *see* Paulus, P. 4−37453
Gascon, D., Errazquin, F., Nieto, J., Ordonez, A., Diaz, A., Castillon, L. Cardiac stimulator controlled by a microprocessor 4−49257
Gascoyne, M., Larocque, J.P.A. A rapid method of extraction of uranium and thorium from Granite for alpha spectrometry 4−56003
Gashka, R. *see* Baltrameyunas, R. 4−30393
Gasiewski, A.J., Merat, F.L. Field attenuation measurements at 0.89 mm 4−37594
Gaskell, P.S. *see* McNally, G.W. 4−53719
Gaskell, T. Semiconductor circuits. Window discriminator (TCA 965) 4−35994
Gaskell, T. Semiconductor circuits. Gain controlled preamplifier (SL 6270C) 4−46359
Gaskell, T. Semiconductor circuits. Touch tuners (SAS 580 and SAS 590) 4−48576
Gaskell, T. Semiconductor circuits. Programmable timer (ICM 7240) 4−51383
Gaspari, R.A. *see* Harris, R.R. 4−48445
Gasparian, G.A. Expanded beam directional couplers for LAN 4−59207
Gasparian, M.C. Errors in oscilloscope-based timing measurements 4−39325
Gasparini, F. *see* De Giorgi, M. 4−55294
Gasparyan, A.S. The design procedure of the forces in coils of electrophysical installations on the basis of three dimensional calculation of the magnetic field by the method of finite elements 4−53189
Gasparyan, M.R., Karmenyan, A.V., Martirosyan, A.A., Khachaturyan, A.M., Sharkhatunyan, R.O. Nonlinear organic compounds based on urea 4−59181
Gasparyan, Yu.M. Reliability of combinatorial logic circuits 4−51149
Gasparyan, Yu.M. *see* Bozoyan, Sh.E. 4−46281
Gasperis, P.de *see* de Gasperis, P.
Gasperis, P.De *see* De Gasperis, P.
Gass, S.I., Murphy, F.H., Shaw, S.H. *(editor)* Intermediate Future Forecasting System. Proceedings of a Symposium (NBS-SP-670) 4−40717
Gass, W.K., Arjmand, M.M. Real-time 9600 bits/sec speech coding on the TI Professional Computer 4−53561
Gasser, L. *see* Scacchi, W. 4−36779
Gasser, R.H. Assessment criteria for utilisation of customer-specific circuits 4−42085
Gassmann, H.P. Which future for transborder data flows? 4−60547
Gassot, Y. Video communication network project for Montpellier 4−44081
Gast, L.K. *see* Ito, A. 4−36786
Gastaud, C. *see* Belland, P. 4−52874
Gasull, A. *see* Lagunas, M.A. 4−60054
Gasworth, S.M., Melcher, J.R., Zahn, M. Flow-induced charge accumulation and field generation in thin insulating tubes 4−30856
Gasworth, S.M., Melcher, J.R., Zahn, M. Induction sensing of electrokinetic streaming current 4−30857
Gatehouse, P. Laser diodes 4−31267
Gatenby, P.V., Sadler, R.J. Acousto-optic signal processing 4−60176
Gates, A.B. Status of the Ford Aerospace sodium-sulfur battery program 4−40422
Gates, H.M., Fox, J.W., Hershey, J.E. Divestiture and the US military C^3 [command, control and communications] 4−38168
Gates, H.M. *see* Bittner, B. 4−37591
Gates, J.V., Washington, M.A., Gurvitch, M. Critical current uniformity and stability of Nb/Al-oxide-Nb Josephson junctions 4−31069
Gates, K.R. *see* Riso, R.R. 4−56142
Gatev, G.I. Measurement and quality inspection in the design and testing of new products and technologies 4−29273
Gathen, J.von zur *see* von zur Gathen, J.
Gathman, S.G. The effects of meteorology on marine aerosol and optical and IR propagation 4−31676
Gatkin, N.G. *see* Aleshchenko, O.M. 4−31978
Gato, B., Mendez, J.A. Optical multiplexing with photoresist plates 4−53906
Gatos, H.C. *see* Lagowski, J. 4−46808
Gatos, H.C. *see* Ruda, H. 4−46225
Gatsenko, N.A. *see* Trofimov, G.G. 4−39881
Gatsoev, K.A., Gorelenok, A.T., Karpenko, S.L., Mamutin, V.V., Seisyan, R.P. Effects of doping with rare-earth elements on the low-temperature edge luminescence of InP 4−42467
Gatsoev, K.A. *see* Bagraev, N.T. 4−46820
Gattavari, G. Design custom power sources with switching-regulator chip 4−58141
Gatti, E., Longoni, A., Radeka, V. An interpolating filter for centroid finding of induced charge in MWPCs with strip cathodes 4−33667
Gatti, E., Manfredi, P.F., Marioli, D., Paglia, G.E. Low noise electronics based on voltage-sensitive preamplification for accurate multiplicity measurements in high energy physics 4−39477
Gatti, E., Palma, A., Verona, E. A SAW probe for time variable high voltage measurements 4−59121
Gaudenzi, G.J., Johnson, R.E., Reedy, D.C. High simultaneous switching TTL drive 4−29790
Gaudenzi, G.J., Johnson, R.E., Reedy, D.C. Controlled output transition TTL driver 4−35760
Gaudenzi, G.J., Reedy, D.C. Emitter follower reverse bias clamp 4−29742
Gaudenzi, G.J., Reedy, D.C. Enhanced reduced signal swing driver 4−29743
Gaudenzi, G.J., Reedy, D.C. High noise margin off-chip receiver circuit 4−35756
Gaudenzi, G.J., Reedy, D.C. Active up-level receiver clamp 4−46396
Gaudenzi, G.J. *see* Culican, E.F. 4−35918
Gaudenzi, G.J. *see* Favata, A.F. 4−29973, 4−29976, 4−29979, 4−35911, 4−35915, 4−35919, 4−35920, 4−35923, 4−35924
Gaudon, P. *see* Coatanhay, J.-L. 4−60905
Gauen, K. Power MOSFET variant excels at high loads 4−36577
Gauert, R. Lock-in-thresholds of laser gyros depending on ring laser parameters 4−31414
Gauger, E. *see* Rother, P. 4−54946
Gauger, R.H. Black start reliability 4−49848
Gaulke, E. Simple memory extension circuit for microcomputers based on the type Z80 microprocessor 4−51196
Gault, J. Technological advancements in coal-fired power plant design and operation 4−62399
Gauneau, M. *see* Favennec, P.N. 4−30513
Gaur, S.P., Huang, Y., Tsang, P.J., Young, R.W. Optimum lateral pnp transistor 4−36553
Gaussorgues, G. Spectrum bands for infrared thermography 4−33172
Gautam, J.K., Meguro, T., Yamanouchi, K. Application of SAW filters using UDTs in short distance communication systems 4−52393
Gautam, J.K. *see* Yamanouchi, K. 4−52392
Gautherin, G. *see* Rabinzohn, P. 4−46953
Gauthier, F. *see* Wehr, M. 4−47279
Gauthier, M. *see* Belanger, A. 4−44491
Gauthier, N. *see* Rochon, P. 4−42285
Gauthier, P., Chemouil, P. Hierarchical control in telephone networks 4−54574
Gauthier, P. *see* Audoux, C. 4−56627
Gauthier, P. *see* Bayard, C. 4−56626
Gauthier, R. *see* Kane, D. 4−61360
Gauthier, S.Guillot *see* Guillot Gauthier, S.
Gautier, H. *see* Planat, M. 4−52431
Gautier, H. *see* Waterkeyn, C. 4−52419
Gautier, J.L. *see* Pasquet, D. 4−42675, 4−47480
Gautier, J.-L. *see* Pasquet, D. 4−59372
Gautier, M. Nonlinear identification, application to an electromechanical system 4−34598
Gautron, J., Sculfort, J.-L. The common anion rule: An electrochemical contribution 4−36359
Gautron, J. *see* Jerisian, R. 4−51917
Gautron, J. *see* Sculfort, J.-L. 4−36363
Gautschi, G.H. *see* Mahr, W. 4−33289
Gautschi, W. On Pade approximants associated with Hamburger series 4−40998
Gauvain, J.L. *see* Mariani, J. 4−53482
Gauvain, J.-L., Mariani, J. Evaluation of time compression for connected word recognition 4−59999
Gauvrit, M. Bayesian adaptive filter for tracking with measurements of uncertain origin 4−31945
Gava, M.La *see* La Gava, M.
Gavaleshko, N.P. *see* Gluzman, N.G. 4−30398
Gavalyan, V.G. *see* Arvanov, A.N. 4−39496
Gavan, J. Efficient passive sensitive frequency doubler in the L and S band frequency ranges 4−36063
Gavand, M. *see* Dutartre, D. 4−50782
Gavand, M. *see* Mayet, L. 4−58032
Gavande, V. Radio Shack Modem II 4−46387
Gavassuti, M., Scavo, G.G. Communication network cost and grade of service versus blocking probability and subscriber behaviour 4−32253
Gaviano, M., Testa, F. A general convergence theorem for the reduced gradient method 4−35433
Gavrev, V.S. *see* Perevalov, G.N. 4−58088
Gavrichenko, V.V. *see* Berdikov, V.F. 4−29544
Gavrikov, L.A. *see* Belokurov, A.A. 4−32852
Gavrikov, V.I., Gamilko, V.A., Evdokunin, G.A. Mathematical model of an open AC arc 4−62660
Gavril, S., Mor, A. Influence of stator slotting on the synchronous performance of the hysteresis machine 4−62562
Gavril, S. *see* Mor, A. 4−40281
Gavrila, D. *see* Gavrila, H. 4−49601
Gavrila, H., Lazarescu, G., Gavrila, D. About the initiation time of microstructural trees in the polyethylene insulation of high voltage cables 4−49601
Gavrilenko, V.I. *see* Borzenko, A.E. 4−39041
Gavrilenko, V.N. *see* Rubinov, A.N. 4−42581
Gavrilin, A.T., Grechikhin, A.I., Toropov, L.A. Component selection of electromagnetic signals 4−53219
Gavrilin, V.V., Grigulis, Yu.K. Desk-type instruments for measuring the thickness of thin metallic layers deposited on dielectrics 4−33466
Gavrilko, S.A. Efficiency of damping of fluctuations in rotor speed in an induction brake 4−62760
Gavrilov, A.F., Novoselov, S.S. Compliance with health standards, governing local air pollution for fuel-oil fired power station boilers 4−40062
Gavrilov, B.M., Zemskov, B.G., Plyushch, N.P. Processing spectra of standard Mossbauer absorbers with an LP 4900 multichannel analyzer 4−55329
Gavrilov, D.N., Rabinovich, E.M., Tuchin, V.V. Use of focusing of the light of a gas-discharge medium to stabilize the emission power of a He-Ne laser (λ=6401 Å) 4−52896
Gavrilov, D.N. *see* Alekseeva, L.L. 4−42541
Gavrilov, F.V., Mironov, O.N. A thermocouple level gauge for liquid metals 4−33264
Gavrilov, N.I., Pashinin, P.P., Prokhorov, A.M., Prilyuk, O.M., Sergeev, S.N., Serov, R.V., Furman, Sh.A., Yanovskii, V.P., Vvedenskii, V.D. High-optical-strength thin-film interference polarizers for high-power lasers 4−31439
Gavrilova, L.I., Kovalev, V.F., Pechenegov, S.M., Trinchuk, B.F. Spectral distribution of the radiation of electrodeless high-frequency lamps of coaxial design with krypton filling 4−41744
Gavrilova, N.I. *see* Venger, A.Z. 4−41535
Gavrilovic, M.M. *see* Que Do, V. 4−62140
Gavrilovic, M.M. *see* Van Que Do 4−45069
Gavrilovic, P. *see* Meehan, K. 4−31388
Gavrin, V.N. *see* Barabanov, I.R. 4−33722, 4−39454
Gawayne, M. *see* Hayward, D. 4−55643
Gawron, N. BIGFON−an important step of the German Post Office in the optic fibre era 4−54590
Gawrylczyk, M. *see* Sikora, R. 4−34666
Gawuc, W. Comparative life tests of induction motor windings 4−45450
Gay, A.C. Vector-to-raster converter 4−33164
Gay, C.F. The next generation is now solar cells 4−50077
Gay, J. *see* Collins, C.M. 4−54404
Gaybullayev, S., Gappoyev, A.B., Danil'chenko, V.G., Korol'kov, V.I., Nikitin, V.G., Rozhkov, A.V. Study of high-speed thyristors made from lightly doped gallium arsenide 4−52077
Gaynor, E.S. *see* Fisher, A.D. 4−52731
Gazalet, M.G., Bruneel, C., Torguet, R., Thomin, G., Nongaillard, B. Bichromatic nondispersive acoustooptic deflector 4−52724
Gazanhes, C., Garnier, J.L., Sessarego, J.P. Signal processing for multimodal transmission in shallow water propagation: application to underwater acoustic communication 4−53670
Gazarov, V.M., Podkovyrin, S.I. Experimental study of the dispersion of the dimensionality conversion of surface waves 4−51510
Gazey, B.K. *see* Smith, B.V. 4−39753
Gazina, F.Ya., Chetvergov, D.I. Measuring the radiation flux of ultraviolet type fluorescent lamps 4−62791
Gazit, S. *see* Gurley, S. 4−51609
Gazsi, L. *see* Rainer, A. 4−60072
Gdulewicz, R. *see* Salamon, R. 4−55394
Ge Chui-an *see* Bai Yuan-gen 4−44215
Ge Fangxing A laser holographic interferometer for testing rubber tyres 4−59643
Ge Huang *see* Sun Yu-ping 4−37056
Ge Huang *see* Sun Yuping 4−47212

Ge Huo-qing *see* Chen De-sen 4—51695
Ge Lifeng The piezoelectric reciprocity method for absolute calibration of high frequency vibration standards 4—61535
Ge Youfang *see* Yu Zhenzhong 4—61388
Ge-lin Chen *see* Chen Ge-lin
Gea-Banacloche, J., Moore, G.T., Scully, M.O. Prospects for an X-ray free-electron laser 4—52841
Geany, G.M., Perlini, J.J., Scarafino, A.J., Wille, R. Contact transfer flux applicator 4—36174
Gear, C.W., Osterby, O. Solving ordinary differential equations with discontinuities 4—57979
Gearhart, R. *see* Ogawa, K. 4—61670
Gearhart, R.A. *see* Ogawa, K. 4—33682
Gearhart, R.A. *see* Rameika, R. 4—33678
Gearhart, R.A. *see* Sheppard, J.C. 4—59716
Gearhart, R.A. *see* Wagoner, D.E. 4—33676
Gebala, J. Calculation of closed earth-return circuits containing conductors energized by direct currents 4—39931
Gebala, J. Ground-directed supply sources of equalizing earths 4—49620
Gebala, J. *see* Kochel, M. 4—49621
Gebauer, H.-D. Some special problems of the system and that of applicable software for a microprocessor assisted research tool for the respiratory parameter 4—39520
Gebhardt, T. *see* Tosch, R. 4—42747
Gebhart, D.L. *see* Zeller, E.A. 4—40217
Gebski, I. *see* Popczyk, J. 4—45085
Gecim, H.S., Howe, R., McGowan, J.W., Reid, I. Negative X-ray resist produced by proton bombardment 4—47077
Geckinli, N.C. *see* Gungen, T. 4—59958
Ged, P., Debroux, M.H., Panabiere, J.P. Highly uniform tunnel SiO_2 layers on Si obtained by chemical etching 4—30557
Geddes, D.A.M. *see* Main, C. 4—33794
Geddes, L.A. *see* Niebauer, M.J. 4—44767
Gedney, R.T. NASA's Advanced Communications Technology Satellite (ACTS) 4—54703
Gee, C.M., Thurmond, G.D. Mach-Zehnder 17-GHz bandwidth modulator 4—52708
Gee, J. Italian chip kings bid for top spot 4—35299
Gee, J. Italy's SGS-Ates out of danger [semiconductor manufacturer] 4—50467
Gee Keun Chang, Bong Ryul Kim Efficiency improvement of n^+npp^+ Si solar cell with high low junction emitter structure 4—50059
Geer, N.F. *see* Moore, R.T. 4—43755
Geeraert *see* Chapelat 4—38600
Geerlings, J.J.C. *see* Granneman, E.H.A. 4—44681
Geert, E.Van *see* Van Geert, E.
Geerts, M.J. *see* Den Boer, W. 4—58899
Geest, H. *see* Aubert, A.E. 4—33819
Geets, E.G. *see* Molchanov, I.N. 4—57978
Geffken, R.M. Multi-level metallurgy for master image structured logic 4—36882
Geffroy, J.C. *see* Seck, J.P. 4—51384
Gegenwarth, R.E. Gold mask for X-ray and E-beam exposure masks 4—41930
Gegg, W. *see* Lytle, S. 4—58987
Gehler, S. *see* Bar, G. 4—41687
Gehrels, N., Cline, T.L., Teegarden, B.J., Tueller, J., Leventhal, M., MacCallum, C.J., Hewka, P.V., Ryge, P. The development of a segmented n-type germanium detector, and its application to astronomical gamma-ray spectroscopy 4—33704
Gehrig, F. ALBIS-ECS 10000 digital electronic communication system 4—60622
Geib, K. *see* Shirreffs, B.F. 4—29508
Geib, K.M. *see* Kato, Y. 4—41986
Geifman, G.B. *see* Kanevskii, Ya.M. 4—62586
Geiger, G. Error detection and diagnosis on DC motors with parameter estimation method 4—45462
Geiger, G. Online fault detection and localization in electrical DC-drives based on process parameter estimation and statistical decision methods 4—57407
Geiger, J. *see* Muller, W. 4—58053
Geiger, R. Conductive heating of steel rods 4—57558
Geiger, R. *see* Fincher, J. 4—41485
Geiger, T.F. *see* Patterson, M.S. 4—52415
Geihs, K. Modeling and analysis of silence suppression strategies for packet voice transmissions 4—48279
Geiler, H.-D. *see* Gotz, G. 4—35495
Geipel, H.J. *see* Koburger, C.W. 4—42166
Geipel, H.J., Jr., Underhill, J.A. Method for reducing channel encroachment through field doping 4—41965
Geis, J.W., Horne, W.E., Day, A.C., Lowe, V., Borden, P. High temperature solar cells for space power applications 4—34935
Geis, M.W. *see* Atwater, H.A. 4—30432
Geis, M.W. *see* Chen, C.K. 4—50802
Geis, M.W. *see* Pang, S.W. 4—58905
Geis, M.W. *see* Vojak, B.A. 4—52072
Geise, H.D., Stothart, P. Lineplex: the Quartercam format 4—38837
Geiser, G. *see* Bindewald, K. 4—55608
Geishler, W. A model for learning a method sufficient for the search and following of the outline of an object 4—38084
Geisler, K.I. Ampere magnitude line measurements for power system state estimation 4—62253
Geiss, R.H. *see* Ferrier, R.P. 4—42265
Geisselmann, H. The requirements of a picture processing system in industrial production 4—39127
Geissler, R. Computer-controlled E-H tuner 4—40605
Geissler, T., Strauss, K. Steam generators and combustion technology 4—45261
Geist, J. The big-car break-down beam [2 meter Yagi] 4—37762
Geist, J. *see* Booker, R.L. 4—47339
Geist, P., Heisel, F., Martz, A., Miehe, J.A. Streak camera operating at high repetition rates 4—53129
Geist, R., Trivedi, K., Dugan, J.B., Smotherman, M. Design of the hybrid automated reliability predictor 4—40892
Geitz, G., Thinschmidt, H. Data silo [high speed data storage with an audio cassette recorder (2400 Bd)] 4—59141
Geivers, H. *see* Aubert, A.E. 4—33819
Gekht, B.M. *see* Bulgakov, S.P. 4—39562
Gekht, R.B. *see* Frukhtman, M.L. 4—33431
Gela, G., Daniel, R.S., Alberton, R.M. Measurement of capacitances of air-core coils 4—34726
Gelatt, C.D., Jr. *see* Jepsen, D.W. 4—29596
Gelder, B.H.W.van *see* van Gelder, B.H.W.
Gelder, I.van *see* van Gelder, I.
Gelfand, Ya.S. Sensitivity analysis of directional filter (phase-sequence) carrier protection 4—45150
Gel'fgat, D.M., Dashevskii, Z.M. Influence of annealing in air on the electrophysical properties of n-type solid solutions in the Bi_2Te_3-Sb_2Te_3 system 4—58757
Gelin, P. *see* Gamand, P. 4—29674
Gelinas, R. *see* Fawley, W.M. 4—47379
Geller, J.D. *see* Moore, C.A. 4—51862
Geller, P.L. *see* Burakov, A.M. 4—34591
Geller, R., Jacquot, B., Jacquot, C. ECR sources for single and multiply charged ion production 4—61631
Geller, R. *see* Delaunay, M. 4—61649
Geller, R.L., Burakov, A.M. Estimation of critical stresses in longitudinal bending of laminated assemblies 4—34584
Geller, V.M., Grif, G.I., Khrustalev, V.A. Application of VHF gas discharge in helium-neon lasers 4—37282
Gellings, C.W., Stovall, J.P., Quade, A.W., Taylor, R.W. Generation system impacts of storage heating and storage water heating 4—57572
Gellman, H.S. Office automation requires teamwork 4—43509
Gellon, H., Juri, R.O., de Rosa, J.M. Receiver for induced polarisation 4—39749
Gel'man, B.S., Kurakin, V.I. Reliability of feed of semiconducting protective devices and automatics of the units of 500-750 kV networks 4—39942
Gel'man, G.A., Rakant, M.I., Feld'man, L.B. Digital modelling of supply systems for industrial plants 4—45776
Gelman, H. Information theory and a forerunner of the uncertainty principle 4—43052
Gel'man, M.V., Lokhov, S.P., Tabashnikov, A.I., Grigor'ev, Yu.S., Dobychin, V.K., Rastorguev, N.P., Savitskii, S.K., Fleishman, L.S. Operational testing of thyristor converters with a high power factor 4—41199
Gelpey, J.C. *see* Wagner, J. 4—51971
Geluk, R.J. Performance measurement on image forming systems, based on signal-to-noise ratios 4—55253
Geman, D. *see* Derin, H. 4—60242
Geman, D. *see* Elliott, H. 4—60241
Gembitskii, S.L., Surodin, M.P. Measurement of the radiation pulse duration of semiconductor injection laser diodes 4—31389
Gemert, M.J.C.van *see* van Gemert, M.J.C.
Gemert, P.H.van *see* van Gemert, P.H.
Gemmar, P. Processors and systems [picture processing] 4—38071
Gemmeke, H. *see* Kramer, D. 4—33623
Gemmeke, K. Suppression of narrow-band harmonics in the input current of traction vehicles 4—57470
Gemmill, M. *see* Epstein, C.M. 4—33843
Gempel, J. *see* Maly, W. 4—36791
Gen, N.S. *see* Galunov, N.Z. 4—33719
Gen-Ei, K., Ito, H., Inaba, H. Analysis of modulation characteristics of lateral field coupling control semiconductor laser 4—31396
Genauzeau, F. *see* Chomiki, M. 4—52422
Gence, P., Besancon, P. Rail welding on the SNCF new welding machine at Saulon workshop stores 4—35080
Genchev, I.Kh. SVETLINA' Corporation quartz glass production 4—47237
Gendel'man, G.A., Malakhov, I.S., Koshcheev, A.A., Gol'berg, G.E., Shvarts, D.L. New type of transformer for submerged electric pumps in petroleum production 4—45813
Gendi Cao *see* Cao Gendi
Gendrachi, T.E. Determining effective impedance of a series-paralleled network using a programmable calculator 4—35577
Gendron, R. *see* Bertsekas, D. 4—49555
Genello, G.J. *see* Sega, R.M. 4—37622
Generalov, A.P. Oscillations in a circuit consisting of a capacitor and two line sections 4—45052
Genet, B. *see* Danno, J.B. 4—54519
Genett, F.J. Fast low cost A/D converter 4—29943
Geng, Z. *see* Royston, D.D. 4—33299
Geng Xikun *see* Fu Rulian 4—58844
Genge, M.F., Carlson, R.D. Project ELF electromagnetic compatibility assurance program—a status report 4—60701
Gengler, R.H. Microscopic cross solders on printed wiring board assemblies 4—36144
Gengler, R.H., Habib, J.M. Minimizing defects in the mass soldering of printed wiring assemblies 4—51629
Genier, G. *see* Chalifoux, J.-P. 4—35214
Genin, Y. *see* Delsarte, P. 4—57963
Genis, E.A., Zaikin, B.M., Kazandzhan, N.N. Calculation of the parametric sensitivity of microwave circuits 4—51531
Genis, Ya.G., Ushakov, I.A. Optimization of the reliability of multipurpose systems 4—57872
Genjo, H. *see* Kohara, M. 4—58658
Genkin, L.G., Erukhimov, L.M. The possibilities of measuring the ionosonic turbulence of the interplanetary plasma and the solar wind velocity by the radiowave backscattering method 4—60947
Genlai Xiao *see* Xiao Genlai
Gennaro, G. *see* Bellazzini, R. 4—49089
Gennas, C.Boije af *see* Boije af Gennas, C.
Genon, A., Legros, W., Morant, M., Scarpa, P., Planche, R. Numerical synthesis of synthetic test circuits for testing circuit breakers 4—45544
Genovese, P. The electrical needs of an OA installation 4—54028
Genrich, V. Low frequency stray fields: electromagnetic smog 4—31690
Gensel, J. Design of active leap-frog filters with electromechanical resonators 4—51426
Gensheng Wu *see* Wu Gensheng
Gent, J.W.van *see* van Gent, J.W.
Gentile, G., Picardi, A. Approximation of the magnetization characteristic by rational fraction functions 4—52442
Gentile, T.J. *see* Frantz, T. 4—45000
Gentili, V. *see* Conticello, C. 4—37785
Gentry, S.J., Jones, T.A. A comparison of metal oxide semiconductor and catalytic gas sensors 4—48835
Gentry, S.J., Walsh, P.T. The influence of high methane concentrations on the stability of catalytic flammable-gas sensing elements 4—55374
Gentry, S.J., Walsh, P.T. Poison-resistant catalytic flammable-gas sensing elements 4—55375
Genz, H. *see* Grundey, T. 4—55787
Geoffroy, A. *see* Benalloul, P. 4—52775
Geoffroy, A. *see* Benoit, J. 4—47355
Geol Shim Yong *see* Yong Geol Shim
Georg, D. Aust pioneers ultrasonics in medicine 4—56073
Georganas, N.D. *see* Kozlowski, A.J. 4—32109
Georganas, N.D. *see* McDonnell, M. 4—43978
Georganas, N.D. *see* Mui, P. 4—32414, 4—38279
Georganas, N.D. *see* Rios, M. 4—38327
Georgantzis, G. *see* Lekatsas, E. 4—34762
George, B., Venetsanopoulos, A.N. Design of two-dimensional digital filters on the basis of quadrantal and octagonal symmetry 4—41489
George, D., Neumann, K. Service hints covering cassette recorders Geracord GC 6010, GC 6020, GC 6030 4—48670
George, D. *see* Scheer, U. 4—48671
George, D.L., Hiatt, J.F. UHF transmitting facilities design. I 4—54956
George, E.W. *see* Ito, A. 4—36786
George, K. *see* Patterson, T.J. 4—55249
George, M.P. A low-cost float method of harnessing wave energy 4—34483
George, N., Morris, G.M. Matched filtering in white light illumination 4—43406
George, N., Shen-ge Wang Cosinusoidal transforms in white light 4—32005
George, O.E., Johnston, L.H. Alteration of interferometer 4—44655
George, O.E. *see* Wyant, J.C. 4—47180
George, R.A., Paulson, C.K. A nuclear plant design for the 1990s—meeting tomorrow's needs 4—49685
Georges, A. Development towards 32-bit microprocessors: the Z80000 example 4—35852
Georges, A.T. From noise to coherence in a free-electron laser oscillator 4—47387
Georgescu, G., Poeata, A., Poeata, N. Contributions to the modelling of loads in electricity networks for urban distribution 4—34163
Georghiades, C.N., Snyder, D.L. Optimum frame synchronization in optical communications 4—32825
Georgia, S.S. *see* Tan, Z.C.H. 4—58950
Georgiadi, V.Kh. *see* Tsukanov, V.I. 4—34596
Georgiadis, L., Papantoni-Kazakos, P. Random-access protocols for binary feedback 4—32131

Georgiev, G.I. *see* Bahcevanov, V.J. 4—30170
Georgiev, G.I. *see* Spirov, S.I. 4—30169
Georgiopoulos, M., Papantoni-Kazakos, P. Collision resolution protocols when collision multiplicities are observable 4—48258
Georgiopoulos, M. *see* Papantoni-Kazakos, P. 4—32126
Georgiou, C.J. *see* Anastassiou, D. 4—51377
Georgiou, T.T. Topological aspects of the Caratheodory problem 4—53348
Georgiv, St. *see* Danesh, P. 4—35507
Georgobiani, A.N., Gruzintsev, A.N., Ilyukhina, Z.P., Tezlevan, V.E., Tiginyanu, I.M. Photoconductivity and non-equilibrium carrier recombination in $CdIn_2S_4$ single crystals 4—30389
Georgobiani, A.N., Ilyukhina, Z.P., Levonovich, B.N., Serdyuk, N.V. Electroluminescence characteristics of a light-emitting ZnSe diode 4—59360
Georgobiani, A.N., Kotlyarevskii, M.B., Lastovka, V.V., Levonovich, B.N. High mobility in ZnSe ion implanted with large doses of In^+ 4—58733
Georgopoulos, V. Circuit forms PABX interface 4—54532
Gephard, R.H. *see* MacFarland, R.C. 4—51689
Gephart, J.P. *see* Erdos, J. 4—49762
Geppart, A., Polaczek, A., Smajek, L. Voltage fluctuations in power networks supplying arc furnaces and thyristor drivers and ways of their limitation 4—44979
Geppert, L.M. *see* Chang, W.H. 4—41353
Geppert, R., Schwartau, P. A DFT-based front-end for word recognition systems 4—53578
Gera, A.E. A simplified computational procedure for the analysis of planar arrays 4—53310
Geraghty, D., Lathrop, J.W., Merill, H.M., Smith, D.A., Whyte, M.D. Strategic planning: why do we need it? 4—56510
Geraghty, D., Lyneis, J. A new strategic model for electric utilities 4—56508
Geraniotis, E.A. Robust source coding with a fidelity criterion 4—37866
Geraniotis, E.A. Direct-sequence spread-spectrum communications in a multiple-tone and repeat-back jamming environment 4—38448
Geraniotis, E.A. Hybrid direct-sequence/frequency-hopped spread-spectrum multiple-access communications 4—43951
Geraniotis, E.A. Performance bounds for robust decision problems with uncertain statistics 4—46103
Gerard, E. *see* Aubry, J.P. 4—30902
Gerard, M. *see* De Mori, R. 4—53573
Gerard, M.J. *see* Mertz, J.L. 4—56528
Gerard, P. Implantation of bubble garnets 4—42240
Gerard, Ph., Ravel, F., Ponthenier, J.L., Dupuy, M., Blanchard, B. Effects of annealing on highly damaged bubble garnet layers ion implanted with Xe and As 4—30974
Gerardi, F.R. *see* Svorec, R.W. 4—44073
Gerasimenko, E.P., Kot, V.I. Computer-aided engineering design system for production of technological masks 4—30176
Gerasimenko, V.F., Soldatov, B.T., Lizunov, S.I., Izvarin, Yu.V. Functional models of integral comparators of series 521 4—41523
Gerasimov, A.I., Dubinov, E.G. Rogowski loop with subnanosecond rise time for the measurement of current adjustable over a wide range 4—33406
Gerasimov, B.P., Elizarova, T.G., Sukhorukov, A.P. Numerical study of thermal self-interaction of a light beam in a moving medium 4—37460
Gerasimov, G.A. *see* Bazarov, E.N. 4—42553
Gerasimov, N.P., Kozyrev, S.V., Ovsyuk, V.N., Potapov, S.V., Slavinskaya, N.S., Cheremnykh, P.A., Shmartsev, Yu.V. Quantum Hall effect in silicon metal-insulator-semiconductor structures 4—51911
Gerasimov, V.A., Zverev, V.M., Mak, A.A., Filippov, M.V., Shcherbakov, A.A. Method for self-consistent calculation of the energy parameters of optically pumped solid-state lasers 4—31359
Gerasimov, V.M., Startseva, L.S. Balanced transformer bridges with parallel-connected inductive tetrads 4—33375
Gerasimov, V.P. *see* Akhmerov, N.A. 4—49959
Gerasimov, V.V. *see* Aleksandrov, I.N. 4—40232
Gerasimyak, R.P., Mazur, A.S. Variable speed electrical drive for a gantry crane 4—45682
Gerasoulis, A. Singular integral equations—the convergence of the Gauss-Jacobi quadrature method 4—46201
Gerasymiv, I.I. Calculation of the sensitivity of nonlinear circuits in the forced periodic mode 4—50926
Gerber, D.S., Fordemwalt, J.N. A parametric study of the ion-sensitive diode 4—42024
Gerber, P.R. Two-frequency addressing of a cholesteric texture change electro-optical effect 4—37175
Gerber, R. Computer aided design of integrated circuits 4—29577
Gerber, R., Schlageter, G., Stern, W. Improving the search function in videotex systems by intelligent decoders 4—48116
Gerber, R. *see* Takayasu, M. 4—37552
Gerber, T. *see* Bastiaens, H.M.J. 4—31318
Gerber, U.G. *see* Chen, M. 4—52541
Gerbi, G., Golzio, D. A new EM field sensor for radiation hazard and EMI measurement 4—39167
Gerbier, M.M., Baraton, M.I., Machet, J., Quintard, P. Ion plated indium oxide: infrared and optical study 4—31093
Gerbig, V.G. Holographic scanning: a review 4—31504
Gerbrands, J.J. *see* Reiber, J.H.C. 4—39548
Gerck, E., Miranda, L.C.M. Quantum well lasers tunable by long wavelength radiation 4—37357
Gerdelmann, H. Development of contacts between producer, dealers and external service with Btx 4—54294
Gerdine, M. Advanced network to serve Olympics 4—47990
Gerendt, S., Rottmann, D. Tuner for satellite radio broadcast reception and its techniques 4—38807
Gerendt, S., Rottmann, D. Tuner for satellite radio broadcasts and its technical features. II 4—48572
Gergaud, C. Voice data integration on a transmission link 4—54585
Gergel', V.A., Nagin, A.P., Nikitin, I.O. Mechanism for formation of surface state's in MNOS structures during degradation 4—52136
Gergel'O, A., Shtein, A.B. The Tsyfra 101 digital time base corrector for 'C' format video tape recorders 4—48612
Gergen, J. *see* Ling, C.C. 4—49330
Gerhard, G.C., Miller, W.T. *(editor)* Frontiers of Engineering and Computing in Health Care - 1983. Proceedings of the Fifth Annual Conference 4—45833
Gerhard-Multhaupt, R. Theoretical and experimental study of the electromechanical electret slit-effect transducer 4—33261
Gerhard-Multhaupt, R. *see* Hohm, D. 4—39754
Gerhardt, R.J. *see* Gutzwiller, R.A. 4—57414
Gerhart, R.J. *see* Gutzwiller, R.A. 4—34970
Gerhold, J. Magnetic separation in high magnetic fields 4—42311
Geric, L. Determination of electrical characteristics on scale model of grounding 4—39911
Gerig, G. *see* Egeli, E. 4—53869
Gerin, F. What is at stake with the development of videocommunications cable networks 4—44254
Gerin, F. Biarritz—carrying wideband videotex into the market 4—48141
Gerini, G. Comparative costs for the nuclear kWh and the coal kWh in European countries 4—49668
Gerke, P. A way towards future telecommunication networks 4—54048
Gerke, W.-D. *see* Schoeps, D. 4—29226
Gerkhov, I.V. *see* Gorbatyuk, A.V. 4—58911
Gerla, G. *see* Di Concilio, A. 4—50656
Gerla, M., Kleinrock, L., Afek, Y. A distributed routing algorithm for unidirectional networks 4—32124
Gerla, M., Rodrigues, P., Yeh, C. BUZZ-NET: a hybrid random access/virtual token local network 4—32457
Gerlach, A.A. Performance characteristics of biased estimators 4—53711
Gerlach, B., Haucke, M., Aus, H.M., Harms, H., ter Meulen, V. An automated analysis of chromosomes with a high resolution TV microscope 4—38063
Gerlach, B. *see* Kriete, A. 4—32060
Gerlach, R., Wei, D., Amer, N.M. Coupling efficiency of waveguide laser resonators formed by flat mirrors: analysis and experiment 4—59553
Gerlach, W. *see* Brieger, K.-P. 4—47063, 4—52048
Gerlein, A.D. Comparison of two voltage-to-frequency convertors 4—30068
Gerling, W. Electrical and physical characterization of gold-ball bonds on aluminum layers 4—58663
Gerling, W. *see* Fazekas, P. 4—30740
Germain, L. *see* LeHuy, H. 4—31054
Germain-Bonne, M. New design in flexible water cooled cables for arc furnace operation 4—57551
German, E. *see* Szabo, P.P. 4—33888
German, E.H., Jr. Spread spectrum amplitude/phase coding using binary PN generators 4—31881
German, K.R. Future prospects for visible and infrared color center lasers 4—59470
German, L.A. Selecting the number of steps in controlled shunt capacitance compensators for traction loads 4—45577
German, L.A., Basoc, V.A. The structure of the energy losses in a rail traction system 4—57458
German, R.F., Smith, A.A., Jr. Anechoic chamber for microwave antenna test with pyramids arranged to extend ground plane 4—31765
Germay, N., Mushamalirwa, D. A comparison of five methods to calculate the thermal field around a group of underground cables 4—62188
Germinaro, B.D. *see* Cahill, G.J. 4—49737
Gernovo, Y., Zlatilova, P., Staikov, G. The secondary lithium-aluminium electrode at room temperature. II. Kinetics of the electrochemical formation of the lithium-aluminium alloy 4—40379
Gerodes, G.A., Danilevich, O.I., Klepikov, V.B. Interrupted-current boundary in a rectifier electric drive 4—62720
Geronov, Y., Zalatilova, P., Moshtev, R.V. The secondary lithium-aluminium electrode at room temperature. I. Cycling in $LiClO_4$-propylene carbonate solutions 4—40378
Gerrard, C., Wright, K. Asymptotic properties of collocation matrix norms 2: piecewise polynomial approximation 4—50704
Gerrard, D.R. A radio frequency detector probe for liquids and solids 4—33283
Gerrard, P. Signal generators for digital applications 4—61408
Gerrard, P.B. An integrated system for computer aided drafting and fault tree evaluation for reliability analysis of power plant systems 4—49676
Gerrard, T. Group 4 facsimile outlook 4—48048
Gershberg, A.E., Golovina, A.P., Kuz'minova, Z.I., Zorshunova, G.I., Markizov, A.S., Mikhailov-Teplov, N.N., Nizhegorodov, S.P. The LI-481 and LI-482 Vidicons for two-tube color TV cameras with improved image quality 4—48594
Gershenkroi, V.L. *see* Kozlov, M.I. 4—29712
Gershenzon, E.M., Gol'tsman, G.N., Semenov, A.D. Submillimeter feedback-tube spectrometer for measuring superconducting-film transmission 4—55653
Gershenzon, E.M., Litvak-Gorskaya, L.B., Rabinovich, R.I. Negative magnetoresistance in the case of conduction in the upper Hubbard band 4—30339
Gershenzon, E.M. *see* Bannaya, V.F. 4—30312, 4—51765
Gersho, A. Adaptive filtering with binary reinforcement 4—43306
Gersho, A. Perfect secrecy encryption of analog signals 4—53453
Gersho, A., Cheng, D. Fast nearest neighbor search for nonstructured Euclidean codes 4—43152
Gersho, A., Cuperman, V. Vector predictive source coding 4—37879
Gersho, A., Ramstad, T., Versvik, I. Fully vector-quantized subband coding with adaptive codebook allocation 4—53522
Gersho, A., Shoham, Y. Hierarchical vector quantization of speech with dynamic codebook allocation 4—53524
Gersho, A. *see* Cheng, D.-Y. 4—53919
Gersho, A. *see* Ramamurthi, B. 4—60246, 4—60268
Gersho, A. *see* Wang, C. 4—37877
Gerson, E.M. *see* Scacchi, W. 4—36779
Gerson, R. *see* Bryan, D.A. 4—37083
Gerstenhaber, M. *see* Doscher, J. 4—39145
Gerstenhaber, M. *see* Jung, W. 4—58207
Gertner, E.R. *see* Edwall, D.D. 4—29482
Gertner, R. *see* Rohrbeck, W. 4—39476
Gertsbakh, I.B. *see* Bronshtein, O. 4—29334
Gertsik, K.A. *see* Posse, A.V. 4—56570
Gervais, Y. *see* Loeloeian, M. 4—62240
Gervase-Williams, K. Steam meters put in perspective 4—61583
Gervay, J.E. Current status and future prospects for dry film photoresists in additive processes 4—51655
Gerwen, P.J.van *see* van Gerwen, P.J.
Gese, A. Computerised measurement and evaluation of the temperature field of the active zone of a nuclear reactor 4—49703
Geselowitz, D.B., Thorson, H.T., Jacob, G.K. Inverse solutions from human body surface ECG maps 4—49208
Geselowitz, D.B. *see* Rosenberg, G. 4—49312
Geshev, G.K. *see* Dimitrov, D.A. 4—45466
Geshiro, M., Kaihara, Y., Sawa, S. Analysis of wave propagation in anisotropic film waveguides with bent optical axes 4—42368
Geshiro, M., Sawa, S. Analysis of anisotropic optical slab waveguides by using hypothetical boundaries 4—31153
Gesu, V.de *see* de Gesu, V.
Geszti, P. *see* Toke, G. 4—34649
Getalo, V.I. *see* Boradaev, V.A. 4—44589
Get'man, G.K., Kartushin, P.A., Krush, G.P. Standardising the power consumption of PE2M traction equipment 4—62896
Get'man, V.A. *see* Agranovich, V.L. 4—49096
Getmanov, V.N. *see* Batkin, V.I. 4—49056
Gettemeyer, G.R. *see* Alvarez, A.R. 4—36745
Getty, C. *see* Meyer, W. 4—62334
Getty, R.R. *see* Taylor, B.E. 4—36161, 4—41732
Getzschmann, A. Rendezvous and docking mission and navigation sensors 4—60941
Geuen, W., Preuth, H.G., Sarfert, T. Evaluating methods of segmentation 4—38080
Geun Kim Tae *see* Tae Geun Kim
Geurkov, E.A. *see* Baranauskas, L.P. 4—39900
Geurts, W.S.M. *see* Smit, J.J. 4—59092
Geus, A.J.de *see* de Geus, A.J.
Geuskens, R.W., J. *see* Smits, J.W. 4—30949

Geutskens, R. SMA (surface mounted assemblies): a quiet revolution in electronics 4—46681
Geutskens, R. SMA, a quiet revolution in electronics. II. Components for surface mounted assembly 4—50532
Geutskens, R. Surface mounted assembly (SMA)—a quiet revolution in electronics. III. Assembly equipment and methods 4—51687
Geva, A. *see* Michaeli, A. 4—47646
Geva, M. *see* Chin, A.K. 4—52816
Geva, M. *see* Donnelly, V.M. 4—41075
Gevargiz, J. *see* Milstein, L.B. 4—37950
Gevargiz, J. *see* Rosenmann, M. 4—38444
Gevatter, H.-J., Kuers, G. Wiegand effect position and speed sensors 4—44501
Gevins, A.S., Morgan, N.H. 'Ignorance-based' systems 4—60127
Gewehr, K. Radiation protection planning and management during revision 4—34406
Geyer, J.N. An integrated CAD system for semi-custom design 4—51174
Geyling, F.T. *see* Crochet, M.J. 4—29452
Geyling, F.T. *see* Miller, T.J. 4—52653
Geysen, W. *see* Belmans, R. 4—62526
Gezelius, A. Bubble memory in communication products 4—37040
Gezha, Yu.I. *see* Meier, A.A. 4—33432
Gfrerer, H. Globally convergent decomposition methods for nonconvex optimization problems 4—35382
Ghalib, S.A. Electricity—the long-term economic and abundant energy 4—56737
Ghandeharioun, S. *see* Hosler, E.R. 4—34402
Ghandhi, S.K., Bhat, I. High quality $Hg_{1-x}Cd_xTe$ epitaxial layers by the organometallic process 4—35498
Ghani, A.A., Mazen, S.A., Ashour, A.H. The annealing effect on the conduction mechanism of copper ferrite 4—58737
Ghani, F.A. *see* Davies, P.A. 4—54432
Gharavi, H. Conditional variable-length coding for gray-level pictures 4—38044
Gharbi, M. *see* Lacoume, J.L. 4—37999
Ghatak, K.P. *see* Mondal, M. 4—30409
Ghatalia, A.K. *see* El-Kareh, B. 4—46926
Ghate, P. *see* Gill, M. 4—59039
Gheewala, T., MacMillan, D. High-speed GaAs logic systems require special packaging 4—41267
Gheewala, T. *see* MacMillan, D. 4—29768
Gheewala, T.R. Clocked power supply to protect against latch-up in CMOS circuits 4—30768
Gheewala, T.R., Kaplan, S.B., Mukherjee, A. Josephson compensating current injection device 4—37062
Gheewala, T.R., Mukherjee, A. Direct coupled self-gating AND 4—41311
Ghelardi, R. *see* Ozkaynak, H. 4—34256
Gheorghe, A., Zeilicovici, C., Stoica, M., Postolache, P., Eremia, M. A system analysis of technological changes in the Romanian high voltage power network 4—56522
Gheorghe, O., Stefanescu, V., Minteanski, B. New trends in the automatic separation of the power plants on local load 4—39910
Gheorghita, V. *see* Preda, G. 4—50344
Gheorghiu, A. *see* Zisu, T. 4—54904
Gherardelli, M. *see* Giuli, D. 4—54864
Ghibaudo, G. *see* Fargeix, A. 4—52021
Ghillebaert, B. *see* Dupuis, P. 4—43980
Ghione, G., Naldi, C., Zich, R. Coplanar lines in GaAs hybrid structures: influence of flip-chip insertion 4—30233
Ghione, G. *see* D'Amore, M. 4—49584
Ghista, D.N. *see* Rezaian, S.M. 4—56203
Ghobadian, A. *see* White, M. 4—45907
Ghodekar, J.G. *see* Gopal, M. 4—45019
Gholdston, E.W., Turner, T.M. Analysis, phasing, and matching of 3-phase, unidirectional, apodized SAW transducers 4—52390
Ghosal, A., Chattopadhyay, D., Purkait, N.N. Hot-electron velocity overshoot in $Ga_{0.47}In_{0.53}As$ 4—36261
Ghosh, d., Roy, J., Sehgupta, K., Basu, M., Naha, S., Jacquot, C., Suren, J.N., Lopez-qualle, M., Niembro, R., Ruiz, A., Villar, E., Schmit, R. A technique to study nuclear interaction using emulsion telescope spectrometer 4—33747
Ghosh, A., Ledwich, G., Malik, O.P., Hope, G.S. Power system stabilizer based on adaptive control techniques 4—62069
Ghosh, A. *see* Casasent, D. 4—53803
Ghosh, A.K., Feng, T., Haberman, J.I., Maruska, H.P. Effects of interfacial charge on the electron affinity, work function, and electrical characteristics of thinly oxidized semiconductor-insulator-semiconductor and metal-insulator-semiconductor devices 4—36348
Ghosh, A.K. *see* Chandler, W.T. 4—33949
Ghosh, A.K. *see* Misra, R.B. 4—34132
Ghosh, A.K. *see* Morel, D.L. 4—50057
Ghosh, A.K. *see* Mukherjee, M.K. 4—57652
Ghosh, B., Dasgupta, D. Pull-in operation of reluctance motor 4—49860
Ghosh, B. *see* Biswas, B.N. 4—58895
Ghosh, B. *see* Deb, S. 4—34878
Ghosh, C., Bahl, I. Characteristics of junction field effect transistors on gallium arsenide 4—58550
Ghosh, D. *see* Basu, M. 4—55958
Ghosh, D.K. *see* Patranabis, D. 4—30055, 4—46590
Ghosh, P.C., Soundararajan, M. A technique for discrimination of radon (^{222}Rn) and thoron (^{220}Rn) in soil-gas using solid state nuclear track detectors 4—55970
Ghosh, R.K., Bhattacharjee, G.P. Parallel breadth-first search algorithms for trees and graphs 4—50660
Ghosh, S. Generation of high-frequency power oscillation by astable mode arcing with SCR switched inductor 4—41232
Ghosh, S., Kuhn, E., Prata, A. Simplified high-performance dual-band feed comprising a dual-depth corrugated launcher and a conventional corrugated horn 4—43000
Ghosh, S., Prata, A., Jr. On the coupling between a circular corrugated waveguide and a pair of rectangular waveguides through zero thickness transverse slots placed diametrically at the bottom of a corrugation 4—37709
Ghosh, S., VanCleemput, W. Functional fault simulation using ADLIB-SABLE 4—35768
Ghosh, S. *see* Datta, A. 4—57924
Ghosh, S.K., Banerjee, S.K., Banerjee, T.K. Mechanical responses in a piezo-electric bar transducer 4—61334
Ghouse, M. The electrical contact resistance of silver-plated aluminum alloy 4—30147
Ghymes, B. *see* Kerecsen, I. 4—43571
Gi Hon Ho *see* Tsovboon, V.I. 4—61742
Gi-shik Lee *see* Hyun-kyo Jung 4—31582
Gi-Sig Byun *see* Jai-Kil Chung 4—44962
Giachino, J.M. New automotive sensor solid state technologies. II 4—57501
Giachino, J.M. The challenge of automotive sensors 4—62780
Giacomo, P. The new definition of the metre 4—48677
Giadin, A. The EFB 7510 circuit: principles and applications 4—35694
Giadin, A. Construction and use of an economic modem 4—43850
Giadrossi, G., Lautizer, S., Tosato, F. Antiseismic foundations for power transformers 4—34723
Giadrossi, G., Torriano, D. Power flow control in parallel connected synchronous alternators driven by diesel engines 4—34630
Giallorenzi, T.G. Fibre optical sensors 4—31162
Giallorenzi, T.G., McMahon, J.M. Naval electro-optics—a profile of the Optical Sciences Division of the Naval Research Laboratory. I. Overview; lasers and sensors 4—42498
Giallorenzi, T.G., McMahon, J.M. A profile on the NRL's Optical Sciences Division. II. Fiberoptics and optical probes 4—59225
Giallorenzi, T.G. *see* Dandridge, A. 4—52623
Giambiasi, N. *see* Bourrelly, L. 4—30735
Gianfagna, M.A. Verification of bipolar layouts: a symbolic approach 4—36815
Gianino, P.D. *see* Horner, J.L. 4—32008
Giannakopoulos, G. *see* Galanos, G. 4—49585
Giannella, F. *see* Tufts, D.W. 4—37965
Giannetti, P. *see* Amendolia, S.R. 4—49068
Giannini, F., Salerno, M., Sorrentino, R. Low-pass elliptic filters for microwave integrated circuits with octave stop-band 4—29997
Giannotti, J.G., Bailey, S., Blandon, M. CASP-PR—an OTEC slope-mounted cold water pipe foundation system 4—62468
Giardina, C.R. The universal imaging algebra 4—38035
Giardina, C.R. *see* Chirlian, P.M. 4—38020
Giarola, A.J. *see* de Assis Fonesca, S.B. 4—53297, 4—53298
Giarola, A.J. *see* Fernandes, H.C.C. 4—35184, 4—41541
Giavarini, A., Ferraris, G.P., Marconi, F. Microwave integrated circuits on alumina substrate up to 20 GHz frequency range 4—41725
Gibb, I.G., Long, A.R. Studies of the frequency-dependent admittances of Schottky barriers formed on sputtered hydrogenated amorphous silicon 4—51875
Gibb, O.L. *see* Cross, E.F. 4—55230
Gibbin, K.P. *see* Mason, S.M. 4—33839
Gibbings, M. Modification of a standard 144 MHz Europa or Europa B to cover 70 MHz 4—54643
Gibbon, D. *see* Eikmeyer, H.J. 4—54388
Gibbon, R.R., Juul, P.H., White, H.B., Wijker, W.J. Damage to overhead lines caused by conductor galloping 4—62212
Gibbons, A., Bordoloi, K., Hoang, C. Design and construction of an integrated circuit chip tester 4—61232
Gibbons, J.F. Beam annealing of ion-implanted silicon 4—36421
Gibbons, J.F., Giles, M.D., Sturm, J.C., Walker, J.T. Circuit simulation of three-dimensional device in beam-recrystallized polysilicon films 4—42174
Gibbons, J.F. *see* Dobkin, D. 4—51990
Gibbons, J.F. *see* Dobkin, D.M. 4—36427
Gibbons, J.F. *see* Greiner, M.E. 4—30504
Gibbons, J.F. *see* Sturm, J.C. 4—42163
Gibbons, J.F. *see* Wakita, A.S. 4—51997
Gibbons, J.R. *see* Erickson, J.M. 4—60595
Gibbons, M. Ring networks 4—43823
Gibbons, M.D., Wang, S.C. Status of CID InSb detector technology 4—55240
Gibbons, R.D. Industrial robot system makes faultless cable harnesses 4—36099
Gibbs, B.M. Coal fired rotating fluidised bed combustion for power generation 4—34450
Gibbs, B.M. *see* Nimmo, W. 4—34257
Gibbs, D. Film and video—together at last! 4—55047
Gibbs, H.M. *see* Tai, K. 4—42708
Gibbs, H.M. *see* Venkatesan, T. 4—53076
Gibbs, J. Local area networking 4—43771
Gibbs, L.A. *see* Kumar, A.B.R. 4—56506
Gibeault, J.P. The Hydran solution to diagnosing transformer trouble 4—40299
Gibertini, G. Future prospects for the development of MOS stores by Thomson 4—52289
Gibina, L.A., Nezhevenko, E.S., Oparin, A.N., Potaturkin, O.I. Optical-electronic system with operational input and preliminary processing of images for recognition 4—60153
Giboni, K. *see* Aprile-Giboni, E. 4—55812
Gibson, B., Wittig, R. The Develnet LAN: architecture and experience 4—32418
Gibson, C.A. *see* Ahmed, M. 4—62087
Gibson, D.D., Kastner, M.A. Multiple-trapping-limited diffusion of charge carriers in an amorphous semiconductor 4—36291
Gibson, D.K., Reid, I.D. Rejuvenation of channel electron multipliers 4—49083
Gibson, E.D. *see* Verhoeven, J.D. 4—52480
Gibson, G.A. *see* Liu, Y.-C. 4—35120
Gibson, H., Ballad, J.P. Forward recovery damage in high power thyristors 4—47021
Gibson, J.D. Adaptive prediction for speech encoding 4—59954
Gibson, J.D., Reininger, R.C. Adaptive prediction with quantized data 4—47734
Gibson, J.D. *see* Asmuth, J.C. 4—43265
Gibson, J.D. *see* Comstock, D.R. 4—53901
Gibson, J.D. *see* Moore, C.C. 4—31891
Gibson, J.D. *see* Reininger, R.C. 4—53555
Gibson, J.M. *see* Pimlott, R.M. 4—33791
Gibson, R.W. *see* Murray, R.J. 4—58213
Gibson, W.M. *see* Baker, S.I. 4—33727
Gibson, W.R. *see* Astbury, A. 4—33756
Giddens, D.P. *see* Casty, M. 4—49180
Gidekel, G. *see* Fazzini, N. 4—33570
Gideon, M. *see* Hoffman, M.E. 4—57584
Giedt, W.H. *see* Taniguchi, H. 4—40127
Gieler, J.D. Empirical prediction for monomode dispersion 4—52665
Gieras, J. Stand for testing of flat single-sided linear induction machines 4—45960
Gieras, J., Miszewski, M. Performance characteristics of the air-core linear synchronous motor 4—34618
Gieri, V.A. *see* Hoeft, L.O. 4—59783
Gierulski, A. *see* Marowsky, G. 4—42696
Giesen, G. *see* Artemiev, V. 4—61684
Giess, E.A., McGuire, T.R., Murgai, A. Combination heater-magnetic solenoid coil(s) for suppressing melt convection in crystal growth 4—37550
Giessen, J.W.van *see* van Giessen, J.W.
Giffard, R.P. *see* Cutler, L.S. 4—39001
Giffen, W.C. Energy management for conservation 4—49341
Gifford, L.N., Orbeck, T. Evaluation of the long term thermal capability of a high-temperature insulation system using silicone liquid as a dielectric coolant 4—49933
Gigli, M.L. *see* Casini, D. 4—49891
Giglio, M. *see* Stokes, A.D. 4—62652
Gil, A. *see* Charalambous, P.M. 4—39424
Gil, J. *see* Silage, D.A. 4—56074
Gilardini, A. Optoelectronics 4—31208
Gilberg, E. *see* Hermes, C. 4—56063
Gilbert, A. *see* Chalmers, I.D. 4—36929
Gilbert, B. An analog array processor 4—55349
Gilbert, B.F. *see* Cook, M.C. 4—62339
Gilbert, B.K., Kinter, T.M., Hartley, S.M., Firstenberg, A. Exploitation of gallium arsenide digital integrated circuits in wideband signal processing environments 4—29986
Gilbert, B.K., Kinter, T.M., Van Nurden, W.K., Hartley, S.M., Zucca, R. Signal processing of ultra wideband data streams: use of parallelism, new device technologies and high system clock speeds 4—53585
Gilbert, B.K., Naused, B.A., Hartley, S.M., van Nurden, W.K., Firstenberg, A. Application of emerging gallium arsenide digital device technologies to the design and fabrication of signal processors operating in high data rate environments 4—46541
Gilbert, B.K., Schwab, D.J. Will presently available system design approaches and electrical interconnect rules fulfil the performance requirements of high clock rate digital signal processors based on GaAs? 4—51103
Gilbert, D. *see* Hunt, R. 4—48130
Gilbert, D.A. *see* Martin, R.W. 4—56107
Gilbert, J.A., Dudderar, T.D., Boehnlien, A.J. Ultra low frequency holographic interferometry using fiber optics 4—31503

Gilbert, R., Mittra, R., Axvord, R., McCormack, R. Coupling between two arbitrarily oriented dipoles through multilayered shields 4−59693
Gilbert, R.K., Neuhoff, D.L. Bounds to the performance of causal source codes for discrete Markov sources 4−37864
Gilbert, V. *see* Chahine, M.T. 4−33975
Gilboa, H. *see* Napchan, E. 4−36986
Gilby, I. The Mini Doc [musical interface] 4−61120
Gilby, J.H., Parker, G.A. Robot arm position measurement using laser tracking techniques 4−55688
Gilchrist, A.J.J. Sophisticated 5 V supply 4−35620
Gilchrist, B., Fildes, R., Galli, J. Sampling hikes performance of frequency synthesizers 4−39196
Gilchrist, B.E. *see* Smith, L.G. 4−56302
Gilchrist, R.W. *see* Lebby, G.L. 4−56517
Gildea, T.L. Industry and academia: partnership for success 4−40741
Gildemeister, O. *see* Beer, A. 4−61682
Gildemeister, O. *see* Conta, C. 4−56031
Gildenblat, G. *see* Pimbley, J.M. 4−52117
Giles, C.L. *see* Athale, R.A. 4−60158
Giles, J.C., Kimmitt, M.F., Lopez, G.C., Roser, H.P. Submillimeter detection with $Hg_{1-x}Cd_xTe$ 4−39186
Giles, J.C. *see* Lopez, G.C. 4−37464
Giles, J.E., Wunderlich, W.O. Hydro system planning of the TVA 4−62120
Giles, M.D. *see* Gibbons, J.F. 4−42174
Giles, M.D. *see* Sturm, J.C. 4−42163
Giles, R. *see* Pigott, B.R. 4−35251
Giles, S., Taylor, C.D. Waveform parameterization as a means of data compression for database management 4−53785
Giles-Taylor, N.C. *see* Bicknell, R.N. 4−46213
Giling, L.J. *see* Binsma, J.J.M. 4−36306
Giling, L.J. *see* Bloem, J. 4−35477
Giling, L.J. *see* Hanssen, J.H.L. 4−35478
Gilje, H.B., Nicolais, R.F. Techniques for acquiring digital data from intelligent subsystems 4−48054
Gilje, R.I., Hesser, R.J., Potter, W.D., Ethington, J.H., Allmon, A.C. Earth radiation budget experiment design and development 4−39699
Gill, H. The electrothermic system for enhancing oil recovery 4−40602
Gill, J.M. Electronic reading aids for the visually disabled 4−33873
Gill, M., Tsai, V., Harper, L., Tran, T., Haranahalli, A., Shah, P., Brown, G., Ghate, P. Scaled CMOS technology with PtSi/Ti:W/Al-Cu/oxide/Al double level interconnect for gate array products 4−59039
Gill, M. *see* Shah, P. 4−38146
Gill, P.S. *see* Fair, P.G. 4−41119
Gill, R.L. *see* Piotrowski, A. 4−55805
Gille, J.C., Russell, J.M., III The Limb Infrared Monitor of the Stratosphere: experiment description, performance, and results 4−56293
Gille, P., Muhlberg, M., Parthier, L., Rudolph, P. Crystal growth of PbTe and (Pb, Sn)Te by the Bridgman method and by THM 4−50736
Gille, W. Electrical measuring technology 4−33335
Gillen, K.T. *see* Clough, R.L. 4−59078
Gilles, J.C. *see* Ostorero, J. 4−35466
Gillespie, A.R. Comment on 'Radiometer input circuit requirements for microwave thermography' [by D.V. Land, with his reply] 4−44722
Gillespie, R. 'SAMPLE' - A suite of programs for automatic control of the small angle scattering spectrometer sample changer 4−33771
Gillespie, S.J. Shaped siloxane process 4−36475
Gillespie, S.J. Resist profile tailoring process 4−51950
Gillet, D. *see* De Mori, R. 4−53573
Gillette, P.C., Cooley, D.A., Ott, D.A., Shannon, C., Zinner, A. Atrial tracking pacemakers 4−44785
Gillgren, C.-O. Test system LPA 10302 4−33100
Gillham, F., Roberts, H. Fiber optic couplers for multiplexers: II 4−60828
Gillham, F., Roberts, H.A. Fiber optic couplers for multiplexing. I 4−44072
Gillham, F. *see* Nelson, A. 4−59206
Gillham, F.J. Multimode wavelength multiplexer for 850-1300 nm 4−54811
Gilli, P.V. The importance of oil substitution from the viewpoint of energy economics and policy 4−39969
Gillingham, P. Stray-free switched-capacitor unit-delay circuit 4−29620
Gillings, B. New techniques for high speed A/D converters 4−51324
Gillis, A.K. *see* Tyrlick, V. 4−32590
Gilloire, A. *see* Le Guyader, A. 4−31901
Gilloux, M. *see* De Mori, R. 4−53573
Gills, T. 60 TDM, a 60-channel telex, time division multiplex equipment 4−38378
Gil'man, B.I. *see* Andreev, A.A. 4−30366
Gilmore, J.F., Spiessbach, A.J. A model driven system for contextual scene analysis 4−53841
Gilmore, P.A. The Massively Parallel Processor (MPP): a large scale SIMD processor 4−53800
Gilmore, R.S., Gooch, T.K., Kwan, W.L., McArthur, I.C., Malos, J., Melot, J.P., Tapper, R.J., Hirst, I.R. An ADC system with fast readout for trigger rejection 4−51327
Gils, W.J.van *see* van Gils, W.J.
Gilson, R.D. *see* Jagacinski, R.J. 4−33166
Gilstrap, M. Transducer selection for vibration monitoring of rotating machinery 4−48887
Gilyutin, I. MISNET−the APL management information system for communications network 4−54445
Gimadeeva, E.N., Kulikova, O.Yu., Shtan'ko, V.M., Smirnov, V.V. Electrochemical treatment of resistance alloy wire 4−36082
Gimeno, J. *see* Martin, G. 4−49262
Gimeno, J.V. *see* Martin, G. 4−49136
Gimpel'man, E.Ya. *see* Maurin, A.F. 4−29541
Gimpelson, L.A. *see* van Goethem, J. 4−32582
Gindi, G.R. *see* Gmitro, A.F. 4−43411
Gindullin, F.A., Dul'zon, A.A. The quality of data concerning fault trips on 10 kV distribution lines 4−56583
Ginesi, D., Lacon, J. Use of vortex shedding meters on cryogenic liquids 4−61590
Gingell, M.J., Hay, B.G., Humphrey, L.D. A block mode update echo canceller using custom LSI 4−31710
Gingerich, D.E. *see* Moser, R.L. 4−34770
Gingerich, J.Z., Peery, J.W. CAD/CAM and quality 4−50566
Gingerich, M.E. *see* Friebele, E.J. 4−37112, 4−52673
Gingras, D.F. On the asymptotic normality of autoregressive spectral density estimates for the noise corrupted case 4−60053
Gingras, M., Ouellette, F., Denariez-Roberge, M.M. External laser triggering of a saturable absorption *Q*-switching system 4−31355
Giniger, M.S. *see* Brown, M.S. 4−49738
Ginness, S.Mc. CMOS board-level bus solves industrial environment problems 4−51349
Ginobbi, P. *see* Baroni, G. 4−55870
Ginsberg, B. *see* Silvestri, V.J. 4−46224
Ginsberg, B.J. *see* Chicotka, S. 4−52270
Ginsberg, G.C. Design of a dual homed telephone system 4−32608
Ginsberg, G.L. IDC−a mature technology continues to grow 4−51599
Ginsberg, G.L. US connector innovations reflect VLSI 4−51658
Ginsburg, A. *see* Reid, W.S. 4−33532
Gintsburg, V.A. *see* Abubakirov, E.B. 4−36218
Ginzburg, I.F., Kotkin, G.L., Panfil, S.L., Serbo, V.G., Telnov, V.I. Colliding γe and $\gamma\gamma$ beams based on single-pass e^+e^- accelerators. II. Polarization effects, monochromatization improvement 4−33583
Ginzburg, I.F., Kotkin, G.L., Serbo, V.G., Tel'nov, V.I. Colliding γe and $\gamma\gamma$ beams from single-pass e^+e^- accelerators 4−49052
Ginzburg, N.S., Novozhilova, Yu.V. Nonlinear theory of stimulated scattering of TM waves by a strongly magnetized relativistic ribbon electron beam 4−37541
Ginzburg, P.B. *see* Biske, E.F. 4−61343
Ginzburg, V.M., Nikolayev, F.Ya., Stepanov, B.M. Cineholography at microwave wavelengths 4−37493
Gioggia, R.S., Abraham, N.B. Anomalous mode pulling, instabilities, and chaos in a single-mode, standing-wave 3.39-μm He-Ne laser 4−31321
Giordano, N. Vibrating superleak second-sound transducers. Theory and experiment 4−44930
Giordano, N. *see* Williams, W.D. 4−29246
Giordano, P.J. Activities of National Security Industrial Association (NSIA) Automatic Testing Committee 4−45916
Giordano, S.T. The BNL RFQ 4−61610
Giorgi, A., Martarelli, G. On MV/LV transformer substations reliability 4−34722
Giorgi, F.J. *see* Ohmori, S. 4−49186
Giorgi, M., Marchetti, S., Palucci, A., Ribezzo, S. Pure MW Raman laser emission in superradiant mode in ammonia by pumping with 9*P*20 CO_2 laser line 4−37293
Giorgi, M.A. *see* Amendolia, S.R. 4−49068
Giorgi, M.De *see* De Giorgi, M.
Giorsetto, P. *see* Kirshner, D. 4−56591
Giovaneli, C.Lopez *see* Lopez Giovaneli, C.
Giovanetti, K.L. *see* Beer, W. 4−49102
Giovannella, C. *see* Evangelisti, F. 4−30399
Giovannetti, A. *see* Canali, C. 4−29799
Gipe, P. Wind's tough dreamers [wind farms] 4−34527
Giral, L. *see* Serre, B. 4−36382
Girard, J. *see* Julien, J. 4−33690
Girard, J. *see* Mertz, J.L. 4−56528
Girard, M., Visser, J.L. Fundamental differential pressure calibrations 4−55741
Girard, P. *see* Lerouge, C.P. 4−51368
Girdany, B.R. *see* Sashin, D. 4−44741
Girdinio, P., Mazzucchelli, M., Molfino, P., Sciutto, G., Viviani, A. Theoretical and experimental study of the two-harmonic reluctance machine, a new class of variable speed device 4−56963
Girdinio, P., Molfino, P., Molinari, G., Puglisi, L., Viviani, A. Finite difference and finite element grid optimization by the grid iteration method 4−29396
Girdinio, P., Molfino, P., Molinari, G., Puglisi, L., Viviani, A. Finite difference and finite element discretization procedures with improved continuity of interpolation functions 4−29397
Girdinio, P., Molfino, P., Molinari, G., Viviani, A. A package for computer aided design for power electrical engineering 4−34613
Girdziusas, A. *see* Gaidelis, V. 4−31221
Girdziusas, A.J. *see* Gaidelis, V.J. 4−59319
Girgis, G.A. *see* Selim, H. 4−48688
Girling, I.R., Milverton, D.R.J. A method for the preparation of an alternating multilayer film 4−41072
Girsberger, H.P. *see* Lagadec, R. 4−44380
Girschweiler, G. Local radio people are sweating 4−38765
Girschweiler, G. Trying out Sony's flat pocket TV Watchman, nothing more than a gag? 4−38796
Girschweiler, G. Into the countryside with video 4−38858
Girschweiler, G. The video camera recorder is coming 4−38859
Girschweiler, G. With the era of the video camera recorder, Betamovie offers the video camera man good times 4−38860
Girschweiler, G. Music video: challenge to sound discs 4−38861
Girschweiler, G. Three dimensional display of B&O loudspeaker characteristics 4−38900
Girschweiler, G. Auto booster−all bluff? 4−38906
Girschweiler, G. Incredible, but true! [car computer equaliser] 4−38908
Girschweiler, G. Last struggle of the 'Black Disc'? 4−38915
Girschweiler, G. DMM record plant in Switzerland 4−38924
Girschweiler, G. Smaller is impossible: The Super-Walkman WM 20 from Sony 4−38979
Girschweiler, G. The capable ones. Radio Z, nearly one million for electronics 4−44201
Girschweiler, G. VHS runs longer 4−44278
Girschweiler, G. Worldwide standard for video? The 8 mm-video from Kodak creates unrest in the video industry 4−44280
Girschweiler, G. Business with electronic pastimes. [Video games] 4−44302
Girschweiler, G. Between 'terrible' and 'supersound' [headphones] 4−44319
Girschweiler, G. Value-for-money digital beat instrument: drum sounds from integrated circuits 4−44324
Girschweiler, G. *see* Haase, H.-J. 4−38862
Girshfel'd, V.Ya. *see* Borisova, V.P. 4−40115
Girvan, E.J., Roberts, G.C. Stress relief printed circuit wiring 4−46677
Girvin, R.J. *see* Conner, W.A. 4−43939
Girvin, S.M. *see* Cage, M.E. 4−58776
Gisel, H.R. The use of the laser in ophthalmology 4−61810
Gish, H. The magnitude squared coherence estimate: a geometric view 4−60048
Gish, H. *see* Krasner, M. 4−53528
Gisic, S.G. Modified two level-monosearch synchronization of direct sequence spread spectrum systems 4−31853
Gistelinck, P. *see* de Buck, F.G.G. 4−34661
Gitis, M.B., Shenker, A.A. Investigation of the acoustic section of instruments for measuring sound velocity by surface insonification 4−35557
Gitman, I. *see* Hsieh, W.N. 4−54344
Gitman, I. *see* Hsieh, W.-N. 4−43481
Gitman, I. *see* Wen-Ning Hsieh 4−48197
Gitman, M.I. *see* Averbakh, Yu.A. 4−40067
Gitshov, N.G., Kaganov, O.O., Kholosha, A.I. Automatic range selection in V7-35 voltmeter 4−33360
Gitsu, D.V., Muntyanu, F.M. Magnetoresistance of $Bi_{1-x}Sb_x$ alloys ($0.08 \leq x \leq 0.15$) in transverse quantizing magnetic fields 4−51808
Gitterman, M., Webster, E.W. Shielding hospital rooms for brachytherapy patients: design, regulatory and cost/benefit factors 4−33863
Giubilei, R. *see* Del Pistoia, A. 4−32632
Giuli, D., Fossi, M., Gherardelli, M. Doppler polarisation spectral resolution of radar signals 4−54864
Giuliani, G., Palange, E., Salvetti, G. Multipass-prism interferometer for fine-frequency-tuning, single-mode operation of TEA CO_2 lasers 4−59443
Giuliani, G. *see* Park, Y.K. 4−31354
Giuliani, J. *see* Wohltjen, H. 4−61370
Giuliani, P. *see* Flakus, F.N. 4−56745
Giuliani, S.W., Kazi, A.M., Suleman, U. Testing of personalized embedded arrays [VLSI systems] 4−51217
Givargizov, E.I., Limanov, A.B., Zadorozhnaya, L.A., Lazarenko, M.A., Lukina, I.G. Artificial epitaxy (graphoepitaxy) of semiconductors 4−29486
Givargizov, E.I. *see* Yershov, V.I. 4−29495
Given, D.W. ROV technology trends and forecast 4−61973
Givens, E.N. *see* Sivasubramanian, R. 4−35089

Givens, M.P. Some applications of optical processing to mapping 4—32024
Gizbrekht, A.I. *see* Nenchev, M.N. 4—42668
Gizhevskii, B.A. *see* Auslender, M.I. 4—30386
Gizinski, Z., Bramson, E., Golebiowski, P. Polish trolleybus PR 110 UE 4—45718
Gjone, R. *see* Engel, P.A. 4—58630
Glaab What advantages does the oversampling method of the Grundig compact disc player offer? 4—55102
Glacet, J.-Y. *see* Forrest, S.R. 4—59357
Glad, T. *see* Fukahori, K. 4—51427
Glad, T.J. A frequency lock loop for DC brushless motor speed control 4—62567
Gladarevskii, V.M. *see* Lenyuk, G.K. 4—33080
Gladkikh, L.M. *see* Belousova, T.Ya. 4—49072
Gladkoskok, I.D., Luchaninov, A.I. Parametric synthesis of controlling circuits 4—41146
Gladstone, K.J., McGeehan, J.P. A computer simulation of the effect of fading on a quasi-synchronous sideband diversity AM mobile radio scheme 4—38474
Gladush, G.G. *see* Vedenov, A.A. 4—59656
Gladyshev, I.L. *see* Belyaevskii, O.A. 4—36236, 4—46782
Glaeser, M. *see* Eichmeier, J. 4—61789
Glagolev, S.F. *see* Arkhangel'skii, V.B. 4—33444
Glagoleva, N.S. *see* Volodin, V.D. 4—39475
Glaize, C. *see* Fray, J.M. 4—34782
Glance, B.S. BER degradations caused by switching in digital mobile radio systems using base station diversity 4—43973
Glantschnig, W., Best, F.R., Golay, M.W., Bartz, J.A. Comparison of methods for measurement of cooling tower drift 4—49734
Glanzman, T. *see* Lankford, A.J. 4—33186
Glas, P., Hartwig, P., Erbert, G. The influence of the carrier-dependent shifts of the longitudinal modes and the gain profile on the emission characteristics of a pulsed $Al_xGa_{1-x}As$ double heterostructure laser 4—47469
Glascock, H.H., II *see* Burgess, J.F. 4—57841
Glaser, A.B. *see* Avanessians, A.A. 4—54499
Glaser, I., Katzir, Y., Toschi, V. Incoherent optical two-dimensional Fourier transform using the chirp-z algorithm 4—43447
Glaser, I. *see* Katzir, Y. 4—39051
Glaser, M., Hausdorfer, K. The S3000 hi-fi mini-component equipment. I. Turner and amplifier 4—33044
Glaser, N. *see* Spillman, R. 4—36755
Glaser, P.E. Photovoltaics: Continuing the advances 4—50078
Glaser, R.M., Gruner, J.A., Feinberg, S.D., Collins, S.R., Petrofsky, J.S. A vehicle to permit locomotion via paralyzed leg muscles 4—56163
Glaser, R.M. *see* Gruner, J.A. 4—56162
Glaser, R.M. *see* Petrofsky, J.S. 4—44765, 4—44778
Glasgow, G.P. *see* Purdy, J.A. 4—33864
Glasgow, R.J. Digital electronic message service—an overview 4—32230
Glasl, A. *see* Gonauser, E. 4—51131
Glass, A.M., Johnson, A.M., Olson, D.H., Simpson, W., Ballman, A.A. Four-wave mixing in semi-insulating InP and GaAs using the photorefractive effect 4—42694
Glass, A.M. *see* Johnson, A.M. 4—61398
Glass, A.M. *see* Liao, P.F. 4—58817
Glass, H.L. *see* Adkins, L.R. 4—31038
Glass, J. Solid future for Megasat 4—61037
Glasser, C. *see* Serlemitsos, P.J. 4—33781
Glasser, L.A. An advanced VLSI circuits course 4—35206
Glasser, L.A. *see* Song, W.S. 4—42133
Glattes, T. *see* Hohn, M. 4—39146
Glatz, G. Computer controlled test and measuring systems lead to lower costs 4—40334
Glatzle, W. The development of A15 superconducting cables in Austria 4—45112
Glauberman, M.A. *see* Vikulin, I.M. 4—52078
Glavich, T.A. An adaptive interpolator algorithm for area-array fine guidance sensors 4—60915
Glavitsch, H. *see* Stoffel, J. 4—49587
Glawischnig, H., Noack, K. On-line control of production ion implanters using standard desk computers 4—36451
Glaze, D.J., Stein, S.R. Picosecond time difference measurements utilizing CAMAC-based ANSI/IEEE-488 data acquisition hardware operating manual IE3 version 1.0 4—39327
Glazenko, A.V. *see* Danilevich, Ya.B. 4—34583
Glazer, A.A. *see* Kushnir, A.L. 4—42230
Glazier, J.P. *see* Richardson, R.W. 4—34777
Glazkov, L.A. *see* Skripnik, Yu.A. 4—44639
Glazkov, Yu.A. Evaluation of indicating penetrants for penetrant flaw inspection on the basis of optical properties 4—58095
Glazov, A.I., Mitrofanov, T.M., Tikhomirov, S.V., Tyutyunnik, V.G. Photoelectric standard energy and maximal power measuring facility of pulsed lasers 4—55487
Glazunov, A.A., Kuznetsova, T.A., Fedoseev, A.A. Economically expedient voltages and powers for deep lead-in into cities 4—39853
Glazunov, A.A. *see* Venikov, V.A. 4—39838
Gleason, G. *see* Rhode, J.I. 4—33656
Gleason, J.F. Aging and seismic performance for safety-related equipment in a mild environment 4—34344
Gleba, A.Yu. *see* Firtsak, Yu.Yu. 4—59297
Glebov, A.I., Danilevich, Ya.B. Section on 'Theoretical Problems of Generation of Electromagnetic Energy' of the Scientific Council on the integrated problem of 'Scientific Foundations of Electrophysics and Electric Power Engineering' 4—44939
Glebov, A.S., Petrov, I.M., Sazhin, B.N. Confirmation of an inhomogeneous model of the switching effect in glassy chalcogenide semiconductors 4—46828
Glebov, B.N., Konyaev, Yu.A., Petrov, V.I. Luminaire quality assessment by use of luminous intensity curves 4—62788
Glebov, I.A., Gur'ev, Yu.L., Dul'nev, G.N., Suslov, S.G. Hydrogasdynamics of rotor in a cryogenic turbogenerator 4—62488
Glebov, I.A. *see* Vishnev, I.P. 4—62489
Gledhill, B. Automatic methods to dispense with liquids 4—33795
Gledhill, R.J. *see* Ioannou, D.E. 4—41810
Gledhill, S., Laillier, M. Analysis of the HF spectrum 4—39123
Gleen, K.E. *see* Atkins, J.W. 4—38302
Gleichfeld, P.-C., Haus, B. The ultrasonic BERO proximity switch—a rugged Remote sensor for industrial applications 4—51581
Glen, P.J. *see* Adams, P.F. 4—38415
Glen, R. Why large industries oppose planned rate restructuring [electricity tariffs] 4—39803
Glen, R. Picking plant processes with electrifying potential 4—45788
Glenn, B.T. Alphabet and text in presentation graphics: their critical contribution to readability and meaning 4—38031
Glenn, D.J. A new fault-interrupting device for improved medium-voltage system and equipment protection 4—62248
Glenn, M. *see* Royer, M. 4—33230
Glenn, S. *see* Peck, M. 4—31087
Glerardelli, M., Guili, D., Fossi, M. Double-polarisation radar measurements 4—54863
Glesius, F.L., Kroon, J.C., Myrabo, A.L., Hammer, M.F. Development of an extended range start-up monitor (ERSM) for boiling water reactors 4—34338
Glick, A. *see* Grund, E.C. 4—32428
Glinchuk, K.D. *see* Borimskii, V.V. 4—58719
Glinert-Cole, S. A look at a local net 4—54368
Glinka, T. Positioning of brushes in the neutral zone of a DC machine 4—45463
Glinka, T. Influence of saturation of magnetic circuit containing ferromagnetic solid block on the time constant of eddy currents of this circuit 4—47550
Glinski, J., Gu, X.-J., Code, R.F., van Driel, H.M. Space-charge-induced optoelectronic switching in IIa diamond 4—52762
Glisic, S.G. Multilevel synchronization of direct sequence spread spectrum communication systems 4—32655
Glisic, S.G. Partially matched postcorrelation filtering for multilevel synchronization of direct sequence spread spectrum system 4—43952
Glisic, S.G. Modified twolevel-doublesearch synchronization of direct sequence spread spectrum systems 4—43960
Glismann, A. *see* Weidauer, R. 4—52889
Glisson, A.W. An integral equation for electromagnetic scattering from homogeneous dielectric bodies 4—31622
Glisson, A.W. *see* Wilton, D.R. 4—37516
Glisson, T.H. *see* Littlejohn, M.A. 4—30346
Globig, J. Avoid data loss in nonvolatile memory 4—58142
Glockler, R. *see* Platte, W. 4—46607
Glodis, P.F. *see* Anderson, W.T. 4—38617, 4—52655
Glombe, R. Apparatus for measurement in two co-ordinates 4—61222
Gloria, A.De *see* De Gloria, A.
Glorieux, P. *see* Lefebvre, M. 4—42522
Glot, A.B. Electrical conductivity of a semiconductor bicrystal in the case of tunnel charge transport 4—46793
Glotov, E.P. *see* Averin, A.P. 4—42549, 4—59390, 4—59451
Glover, D. Testing of induction motors for approval purposes 4—45447
Glover, F., Klingman, D., Phillips, N. An equivalent subproblem relaxation for improving the solution of a class of transportation scheduling problems 4—50685
Glover, K.M. *see* Lally, A.E. 4—56005
Glover, R.D. Application experience with the NASA aircraft interrogation and display system: a ground-support equipment for digital flight systems 4—49440
Glowacki, H. Tape recorders testing 4—44370
Glowacki, S.W. A simple digital temperature measuring circuit 4—55720
G.L.Ream *see* Ream G.L.
Gluckstern, R.L., Ryne, R.D. Numerical programs for obtaining accurate resonant frequencies of modes in azimuthally symmetric electromagnetic cavities 4—31553
Glukhivskii, L.I., Malyar, V.S. Calculating steady state slip running conditions of salient pole synchronous machines by the differential harmonic method 4—45419
Glukhivskii, L.I., Malyar, V.S. The dynamic stability of controlled synchronous motors under rapidly varying loading 4—62507
Glukhov, A.A. *see* Barkova, N.A. 4—32908
Glukhov, N.A., Vinogradov, N.V., Lukashev, A.A., Filimonov, S.A. Ultrasonic equipment for checking the physicomechanical properties of nonmetallic materials and objects 4—58089
Glukhov, V.P., Pugachev, V.A. The fundamentals of physical modelling of electromagnetic processes in parametric transformers 4—34714
Glumb, R.J., Krier, H. Concepts and status of laser-supported rocket propulsion 4—33951
Glushak, N.S. *see* Bikineev, V.A. 4—61707
Glushankov, E.I. *see* Popovskii, V.V. 4—53650, 4—53664
Glushankov, Ye.I. *see* Popovskiy, V.V. 4—37799
Glushchenko, A.I. *see* Slavkov, V.D. 4—58090
Glushkov, E.A. *see* Vasilenko, N.D. 4—58026
Glushkov, E.D. *see* Pazin. A.V. 4—51801
Glushkova, T.B. *see* Nosov, S.I. 4—35070
Gluss, D., Cover, T. Behavior of log optimal portfolios based on the past 4—43049
Gluzman, N.G., Lerinman, N.K., Gavaleshko, N.P., Frasunyak, V.M. Negative magnetoresistance of $Hg_{1-x}Fe_xTe$ crystals 4—30398
Gluzman, P.L. Analysis of a type of magnetic threshold device 4—31052
Gluzman, P.L. Computer calculation of precision characteristics of devices based on magnetic components with adjustable transmission coefficient 4—37043
Gluzman, P.L., Dvotson, A.I. Complex transfer constants of a controlled magnetic circuit 4—53194
Glyadya, A.A. *see* Berlyand, V.I. 4—40092
Glyuza, A.T. *see* Voronkov, M.E. 4—34295
Gmelch, P. Supplementing current ordering systems by Btx in pharmaceutical wholesaling 4—54306
Gmitro, A.F., Gindi, G.R., Barrett, H.H., Easton, R.L. Two-dimensional image processing by one-dimensional filtering of projection data 4—43411
Gmitter, T. *see* Yablonovitch, E. 4—46203
Gnatovskii, A.V. *see* Bykov, A.M. 4—47290
Gnauck, A.H. *see* Linke, R.A. 4—60831
Gnepf, S., Kneubuhl, F.K. Theory on distributed feedback lasers with strong modulation 4—42516
Gnepf, S., Kneubuhl, F.K. Resonance frequencies and threshold gains of distributed feedback lasers with strong modulations 4—59374
Gnepf, S. *see* Kneubuhl, F.K. 4—39388
Gnepf, S. *see* Zheng Xingshi 4—59417
Gniadek, K. TM-mode coupling in anisotropic optical waveguides caused by periodic variation optic-axis direction 4—31723
Gniewosz, T. A multi-zone vacuum furnace with a cold chamber 4—50224
Go, R. *see* Pavlicek, W. 4—61847
Goates, G.B. *see* Nash, J.D. 4—35591
Gobara, T. *see* Sato, K. 4—52137
Gobby, P.L., Yates, G.J., Noel, B.W., Jaramillo, S.A., Aeby, I. Using photoconductivity to improve image tube gating speeds 4—36231
Gobby, P.L. *see* Yates, G.J. 4—37220
Gobel, E.O., Kuhl, J., Veith, G. Synchronous mode locking of semiconductor laser diodes by a picosecond optoelectronic switch 4—52985
Gobel, E.O., Kuhl, J., Veith, G. Pulse modulation of double heterostructure diode lasers by picosecond optoelectronic switches 4—59511
Gobel, E.O. *see* Kuhl, J. 4—42455
Gobetti, D. ENEL in Sardinia 4—56829
Gobho, Y., Osada, M., Fujiwara, M., Shoji, K. Facsimile storage and conversion program system 4—54166
Gobis, L. *see* Thompson, L.R. 4—29532
Gochnio, W. Operation of transformers of group III in a regional power supply establishment 4—57109
Gocho, Y. *see* Hanita, A. 4—56934
Gockler, H. On the design of digital and time-discrete modem transmitters with linearly modulated data waveforms 4—47724
Goda, Y. *see* Inaba, T. 4—57276
Godakov, S.S. *see* Baranov, O.B. 4—48989
Goddard, G., Jemczyk, I., Mondor, D. Automated testing of fiber optic transmission equipment 4—33135
Goddard, J.W.F., Cherry, S.M. Site diversity advantage as a function of spacing and satellite elevation angle, derived from dual-polarization radar data 4—47601
Goddard, J.W.F., Cherry, S.M. The ability of dual-polarization radar (copolar linear) to predict rainfall rate and microwave attenuation 4—49469
Goddard, J.W.F. *see* Cherry, S.M. 4—49466
Goddard, J.W.F. *see* Hall, M.P.M. 4—49462
Goddard, T. Developments in space heating 4—45766

Godde, J., Haag, H.-J. A new quality system provides instant information 4—50563
Godec, Z. New method for determination of steady-state temperature rises of transformers 4—49935
Godeluck, J. Optical fiber submarine link 4—60879
Godfrey, A.B., Mundel, A.B. Guide for selection of an acceptance sampling plan 4—29281
Godfrey, D.J. *see* McMahon, R.A. 4—41939
Godfrey, D.M. Solid state technology in the measurement and control of pressure 4—33286
Godlewski, P. Cut-correcting codes 4—43140
Godone, A. *see* Weiss, C.O. 4—31475
Godonyuk, V.A. *see* Akhmerov, N.A. 4—49959
Godonyuk, V.A. *see* Azizov, E.A. 4—57238
Godovitsyn, V.A. *see* Astvatsatur'yan, E.R. 4—33717
Godrie, W. *see* Abels, J.P. 4—62828
Godsell, K.B. *see* Brinkman, L.A. 4—48008
Godshall, N.A., Raistrick, I.D., Huggins, R.A. Relationships among electrochemical, thermodynamic, and oxygen potential quantities in lithium-transition metal-oxygen molten salt cells 4—45596
Godwin, G.L. *see* Pratap, S.B. 4—42778
Godwin, H.J. On quartic fields of signature one with small discriminant. II 4—46184
Godzhaev, E.M., Zarbaliev, M.M., Aliev, S.A. Electrophysical properties of $TlInTe_2$ 4—30374
Goebbels, K., Reiter, H., Hirsekorn, S., Arnold, W. Non-destructive testing of high-temperature and high-strength ceramics 4—29572
Goebel, D.M., Hamilton, G.W. Neutral beam injector for 475 keV MARS sloshing ions 4—61616
Goebel, D.M. *see* Vanek, V. 4—61613
Goedbloed, J.J. Analysis of interference problems 4—31684
Goedbloed, J.J. EMC (electromagnetic compatibility) and industry 4—37601
Goedbloed, J.J. Terminology of EMC: abbreviations, explanations and units 4—37608
Goedbloed, J.J., Riemens, K.R., Stienstra, A.J. Improving HF immunity of amplifiers to back-coupling: creative use of condensers 4—37605
Goeddel, T.W., Bass, S.C. High quality synthesis of musical voices in discrete time 4—47852
Goedgebuer, J.P., Chappuis, C., Ferriere, R. Synthesis of a broadband source with a CW dye laser for optical processing 4—31443
Goel, J. A *K*-band GaAs FET amplifier with 8.2-W output power 4—36053
Goel, J., Cheung, R.P. K-band FET amplifier for satellite downlink 4—36054
Goel, L.R., Gupta, P. Stochastic behaviour of a two-unit standby system with better utilization of units 4—46009
Goel, L.R., Gupta, P. A two-unit deteriorating standby system with inspection 4—46010
Goel, L.R., Gupta, P. Switch failure in a two-unit standby system with better utilization of units 4—46011
Goel, L.R., Gupta, P. Analysis of a two-engine aeroplane model with two types of failure and preventive maintenance 4—57880
Goel, L.R., Gupta, R. Availability analysis of a two-unit cold standby system with two switching failure modes 4—46007
Goel, L.R., Gupta, R. Analysis of a two-unit standby system with three modes and imperfect switching device 4—46008
Goel, L.R., Gupta, R., Singh, S.K. A two (multi-component) unit parallel system with standby and common cause failure 4—46006
Goeltz, R. *see* Hirst, E. 4—49513
Goepel, E. Carriage drive system of a printer 4—62722
Goethem, J.van *see* van Goethem, J.
Goethem, J.Van *see* Van Goethem, J.
Goette, J. *see* Furrer, B. 4—41465
Goetz, A.F.H. *see* Wellman, J.B. 4—39697
Goetz, B. Reliability in a custom integrated circuit environment 4—52260
Goetz, G.J. *see* Pollock, W.H. 4—49750
Goetz, J.R. *see* Kantz, D. 4—51244
Goetze, A.J. Introducing computers to the undergraduate machinery laboratory—computer control of a DC generator and motor 4—57066
Goffer, A. Rapid convergence rate in digitally-controlled adaptive arrays 4—37774
Goffmann, I. *see* Denisenko, N.A. 4—39903
Gofman, A.M., Krendelev, F.P., Chernykh, V.T., Tsydenov, A.B., Astakhov, N.E. Low-background gamma spectrometry for analyzing natural radioactive elements in geochemical samples 4—61907
Gofman, M.A. *see* Nezhevenko, E.E. 4—42453
Goganov, D.A. *see* Dolgih, V.E. 4—56033
Goggi, V.G. *see* Conta, C. 4—56031
Gogitidze, N.Z., Eremin, V.K., Kashevarov, V.L., Pavlyuchenko, L.N., Sokol, G.A., Strokan, N.B., Chikalova-Luzina, O.P. A study of microinhomogeneities in semiconductors by the method of time-amplitude analysis 4—58724
Goh, T.F. *see* Stewart, P.G. 4—62571
Goh, T.N., Choi, S.S. Short-term forecasting of electricity demand by decomposition analysis 4—56497
Gohberg, I., Lancaster, P., Rodman, L. Matrix polynomials 4—29413
Gohl, I. *see* Tiedemann, C. 4—38241
Gohnai, T. *see* Alsbach, W. 4—34765
Gohnai, T. *see* Tsuya, N. 4—34766
Goicolea de Oro, A. *see* Antuenz, F. 4—49254
Goikhenberg, Yu.N. *see* Ashikhmina, L.A. 4—40070
Going, M.C. *see* Friedlander, G.D. 4—34412
Gojic, I. *see* Dolinar, D. 4—34090
Gokan, H., Esho, S. Sputtering yield of carbon atoms in organic materials for oxygen bombardment 4—46955
Gokan, H., Itoh, M., Esho, S. Oxygen ion beam etching for pattern transfer 4—36690
Gokay, M.C. *see* Harding, K.G. 4—53092
Gokhberg, Zh.L. *see* Eremeeva, G.A. 4—40077
Goknar, I.C. A general definition of reciprocity and its implications for linear, time-invariant N-ports 4—35593
Goksel, A.K., Fields, J.A., La Rocca, F.D., Lu, P.M., Troutman, W.W., Wong, K.-N. A VLSI memory management chip: design considerations and experience 4—51367
Golan, P. Design of totally self-checking checker for 1-out-of-3 code 4—35750
Golaszewski, M.J., Janssen, P.E., Modi, A.S. Decoupled software recovery concepts in a distributed processing environment 4—32584
Golay, M.W. *see* Glantschnig, W. 4—49734
Gol'berg, G.E. *see* Gendel'man, G.A. 4—45813
Golczak, B. Measurement of characteristics of ferromagnetic materials 4—61508
Gold, A. Way almost clear for UK TV stereo broadcasts 4—54937
Gold, A., Gotze, W., Mazure, C., Koch, F. The dynamical conductivity of a Na^+-doped interfacial charge layer on silicon 4—30445
Gold, A., Pocksteiner, E. Reduced fire risks with halogen free electrical conduits 4—45140
Gold, M. Single chip integrates 8 UARTs, interrupt logic, and μP interface 4—48219
Gold, M.P., Hartog, A.H. Improved-dynamic-range single-mode OTDR at 1.3 μm 4—33448
Gold, M.P., Hartog, A.H., Payne, D.N. New approach to splice-loss monitoring using long-range OTDR 4—37100
Gold, M.P. *see* Hartog, A.H. 4—42359
Gold, R., Roberts, J.H., Preston, C.C., McNeece, J.P., Ruddy, F.H. The status of automated nuclear scanning systems 4—55896
Gold, R., Ruddy, F.H., Roberts, J.H., Preston, C.C., Ulseth, J.A., McElroy, W.N., Leitz, F.J., Hayward, B.R., Schmittroth, F.A. Application of solid state track recorder neutron dosimetry for Three Mile Island Unit 2 reactor recovery 4—39459
Gold, R. *see* McNeece, J.P. 4—39462
Gold, R. *see* Preston, C.C. 4—39464
Gold, R. *see* Roberts, J.H. 4—39463, 4—55919, 4—55932
Gold, R. *see* Ruddy, F.H. 4—39465, 4—55914, 4—55937, 4—55942, 4—55960
Gold, R.D. Cardiac pacing—from then to now 4—33878
Gold, S.H., Black, W.M., Freund, H.P., Granatstein, V.L., Efthimion, P.C., Kinkead, A.K. Studies of radiation growth and emission spectrum of a millimeter-wave free-electron laser operating in the collective regime 4—52835
Gold, S.H., Black, W.M., Freund, H.P., Granatstein, V.L., Kinkead, A.K. Radiation growth in a millimeter-wave free-electron laser operating in the collective regime 4—31274
Gold, S.H., Black, W.M., Granatstein, V.L., Freund, H.P., Efthimion, P.C., Kinkhead, A.K. Studies of gain, feedback, and efficiency enhancement in a millimeter-wave free-electron laser 4—31279
Gold, S.H., Black, W.M., Granatstein, V.L., Freund, H.P., Kinkead, A.K. Gain bandwidth, and tunability of a high power millimeter-wave free-electron laser 4—59382
Gold, S.H., Hardesty, D.L., Kinkead, A.K., Barnett, L.R., Granatstein, V.L. High-gain 35-GHz free-electron laser-amplifier experiment 4—31275
Goldberg, B.B. *see* Zhao, L.C. 4—51906
Goldberg, G.M. *see* Lis, S.A. 4—36371
Goldberg, I.B., McKinney, T.M. High-performance coaxial EPR cavity for investigations at elevated temperatures and pressures 4—58509
Goldberg, J. *see* Camaratta, F. 4—58077
Goldberg, L.S., Schoen, P.E. Active-passive mode locking of an Nd:phosphate glass laser using #5 saturable dye 4—52936
Goldberg, M. Satellites for broadcast 4—44041
Goldberg, M. *see* Boucher, P. 4—60232
Goldberg, M. *see* Sun, H.F. 4—32071
Goldberg, N. Narrow channel forced air heat sink 4—40873
Goldberger, A., Jigour, R., Revak, S. Dual-UART chip assumes broader processing role in asynchronous systems 4—51360
Goldberger, A. *see* Eng, H. 4—61264
Goldblum, R.D. Performance characteristics of transient suppressors 4—62246
Goldemberg, J. Energy problems in Latin America 4—49661
Golden, E. *see* Goumy, C. 4—60747
Goldey, M.J. Aspects of international voice communications to and from the United States 4—43577
Goldfarb, L. A unified approach to pattern recognition 4—60219
Goldfarb, R.B., Minervini, J.V. Calibration of AC susceptometer for cylindrical specimens 4—44597
Goldfuss, W. Clock time by hardware: for 8032 and other CBMs 4—58410
Goldhaber, M. *see* Jones, T.W. 4—55811
Goldhar, J., Henesian, M.A. Large aperture optical switching devices 4—53033
Goldhar, J., Taylor, M.W., Murray, J.R. An efficient double-pass Raman amplifier with pump intensity averaging in a light guide 4—52894
Goldhar, J. *see* Henesian, M.A. 4—53081
Goldin, D. *see* Mountford, P.J. 4—33908
Gol'din, L.L. *see* Chernyshev, V.P. 4—49074
Goldman, D.T. The metric system: standards and practice 4—46054
Goldman, E. *see* Benford, J. 4—42825
Goldman, E. *see* Sze, H. 4—42802
Goldman, I.B., Krajewski, A. Conformal coating thickness determination: a comparison of methods 4—39319
Goldman, I.B., Krajewski, A. Conformal coating thickness determination 4—46694
Goldman, L. Laser diagnostic medicine 4—39560
Goldman, L. Current instrumentation in laser dermatology 4—39590
Goldman, S. Oscillator phase noise proves important to pulse-Doppler radar systems 4—38680
Goldman, S. Divider Delay: the missing PLL analysis ingredient 4—58203
Goldobin, I.S., Luk'yanov, V.N., Solodkov, A.F., Tabunov, V.P., Pushkina, T.N., Yakubovich, S.D. Optically controlled two-component heterojunction laser 4—59547
Goldreich, O. A simple protocol for signing contracts 4—53431
Goldreich, O. *see* Even, S. 4—32103, 4—43204, 4—53424, 4—53446
Goldsack, J.S. Design features of the steam generator 4—62393
Goldsberry, F.L. Operational testing of geopressure geothermal wells on the Gulf Coast 4—35104
Goldschmidt, P. The cost of the nuclear fuel cycle. Present data and development 4—49670
Goldschmidt, P. *see* Fazzini, N. 4—33570
Goldsen, R.K. *see* Lerner, E.J. 4—50364
Goldshtein, I.A. *see* Nagorskii, V.D. 4—40546
Goldsmith, C.C. *see* Walker, G.A. 4—58667
Goldsmith, N.E. The Micro/J-11, here and now 4—46503
Goldsmith, P.F. *see* Predmore, C.R. 4—44197
Goldspink, G.F. *see* Revell, P.J. 4—42008
Goldstein, B. *see* Szostak, D.J. 4—57350
Goldstein, J.C. Evolution of long pulses in a tapered wiggler free-electron laser 4—47363
Goldstein, J.C. *see* Newnam, B.E. 4—47370
Goldstein, M. *see* Tyler, M. 4—38580
Goldstein, R.J. Heat transfer in high-temperature gas turbines: film cooling and impingement cooling 4—49788
Goldstein, S.A. *see* Neri, J.M. 4—34801
Goldstein, S.A. *see* Ottinger, P.F. 4—57277
Goldstein, Y. *see* Weisz, S.Z. 4—52765
Goldstone, J.A. *see* Brugger, R.M. 4—39486
Goldwag, E., Littlewood, P.A., McCann, B. Station layout and design of major mechanical auxiliary systems related to the turbine generator 4—62391
Gole, P., Mon, J.-P. Effect of ice-induced cross-polarization on digital Earth-space links 4—32726
Golebiowski, P. *see* Gizinski, Z. 4—45718
Golenkov, A.N., Rachkov, Y.G. Broadening of the frequency band off hydrophone calibration in pendulum chambers 4—34008
Gol'fel'd, G.B., Bartenev, V.G., Shloma, A.N. Wald's sequential analysis on a set of complex correlated observations 4—53643
Gol'fel'd, G.B. *see* Shloma, A.M. 4—53659
Goli, K. *see* Sarka, I. 4—44699
Golik, A.V., Korolyuk, A.P., Matsakov, L.Ya. Temperature-stable polyhedral quartz single-crystal acoustic lines for ultrasonic delay lines 4—62004
Golik, L.L. *see* Rzhanov, A.V. 4—36246
Golikov, O.B., Yakovlev, A.I. Power amplification of complex signals with parallel structure 4—53651
Golikov, V.A. *see* Chekhin, L.P. 4—39721
Golikova, E.G., Gvozdev, A.A., Duraev, V.P., Mal'kova, N.V., Nedelin, E.T., Sverdlov, B.N., Sumarokov, M.A., Shelyakin, A.A. Superluminescent GaInAs-InP heterostructure emitters with wavelength 1.3-1.55 μm 4—52818
Golikova, O.A. *see* Andreev, A.A. 4—51912
Golikova, O.A. *see* Nasredinov, F.S. 4—30367
Golikova, T.N. Probability of increased ice loads on overhead lines, depending on their length 4—39898

Golio, J.M., Maracas, G.N., Johnson, D., Trew, R.J., Masnari, N.A. A technique for modeling ion-implanted GaAs MESFETs in the presence of deep levels 4—58934
Golio, J.M., Trew, R.J., Maracas, G.N., Lefevre, H. A modeling technique for characterizing ion-implanted material using *C-V* and DLTS data 4—47050
Golio, J.M. *see* Khatibzadeh, M.A. 4—36636
Golitschek, M.von *see* von Golitschek, M.
Golke, K. *see* Huang, C. 4—58346
Golkowski, H. Is it worth unifying measuring equipment mechanical construction? 4—44391
Goll, W. Biogas in agriculture and production of power and heat 4—56720
Goll, W., Vogt, D. Electrical installations of ventilating systems in buildings concerned with intensive animal rearing 4—45809
Golledge, I., Kirkman, D.H. Projection display 4—44563
Golledge, I.C., Kirkman, D.H., Lowe, A.C., Wood, J.C. Faceted light guide for electrochromic display 4—55594
Goller, K.R., Hon, A.L. NRC research on the application of advanced I and C technology to commercial nuclear power plants 4—56783
Golletz, H. *see* Hohl, R. 4—34992
Gollmann, D. On the theory of bilinear shift registers 4—51390
Golnabi, H. *see* Corley, H.W. 4—57927
Golobieb, B. *see* Hardy, J. 4—38667
Golos, E. *see* Pratt, H. 4—33841
Golos, M. *see* Hejn, K. 4—48724
Goloshchapov, S.S., Ozerov, L.A. High frequency electrochemical battery internal resistance analysis 4—40322
Golosov, V.V. *see* Marov, N.N. 4—36484
Golosova, S.Ya., Esepkina, N.A., Zverev, Yu.K., Kalikhevich, G.N., Korol'kov, D.V., Krat, O.I., Naugol'naya, M.N., Pariiskii, Yu.N., Pinchuk, G.A., Soboleva, N.S., Stotskii, A.A., Shivris, O.N. A study of the reflecting-surface precision of the primary reflector of the RATAN-600 radiotelescope (north sector) 4—32886
Goloto, I.D. *see* Bogoroditskii, A.A. 4—30192
Goloubkoff, M., Henry, M., Klein, J.P. Gallium arsenide integrated circuits 4—52284
Golovach, I.I. *see* Betsa, V.V. 4—42450
Golovanov, V.I. *see* Vinogradov, Ye.A. 4—33319
Golovina, A.P. *see* Gershberg, A.E. 4—48594
Golovina, E.Yu. *see* Cherneeva, L.I. 4—62648
Golson, W.G., Rounds, W.C. Connections between two theories of concurrency: metric spaces and synchronization trees 4—37794
Gol'tsman, G.N. *see* Gershenzon, E.M. 4—55653
Goltvianskii, Yu.V. *see* Nabok, A.V. 4—30443
Goltvyanskii, Yu.V., Dubchak, A.P., Koval', I.F., Kolesnik, O.G., Mel'nik, P.V. Boundary regions of dielectrics in Si-SiO_2-Si_3N_4 structures 4—36341
Goltz, J., Laeri, F., Tschudi, T. Correlation with spherical wave illumination 4—38047
Goltz, U., Reisig, W. The non-sequential behaviour of Petri nets 4—35370
Golub, B.W. *see* Schmalensee, R. 4—56443
Golub, G.H. *see* Boley, D. 4—29316
Golub, J. *see* Yodh, A.G. 4—53085
Golub, J.E. *see* Yodh, A.G. 4—52925
Golub, V.I., Turenko, A.N. Increasing the operability of an industrial-production radiocommunications system in a quarry 4—47983
Golubchin, G.S. *see* Angel'skii, A.N. 4—32881
Golubchin, G.S. *see* Golubchina, O.A. 4—32877
Golubchina, O.A., Golubchin, G.S. A 'relay' technique 4—32877
Golubenko, Yu.G. *see* Shidlovs'kii, A.K. 4—50034
Golubev, E.K., Bersenev, V.A. Vertical flash units for 500 and 800 MW generating units and the efficiency of their overflow systems 4—40113
Golubev, G.K., Pinsker, M.S. Minimax extrapolation of sequences 4—60035
Golubev, L.V., Koronnyi, S.G., Novikov, S.V., Shmartsev, Yu.V. Electroliquid epitaxy 4—50789
Golubev, V.S. *see* Abil'siitov, G.A. 4—59388, 4—59389
Golubev, Yu.M., Gryaznevich, V.P. Effect of spatial-temporal coherence of medium excitation on the statistical characteristics of lasing 4—59442
Golubkova, N.A. *see* Larin, B.M. 4—49033
Golyand, B.S. *see* Burkovskii, A.N. 4—45449
Golzarri, J.I. *see* Diaz, T. 4—55883
Golzarri, J.I. *see* Espinosa, G. 4—55935
Golzarri, J.I. *see* Gamboa, I. 4—55936, 4—56218
Golzarri, J.I. *see* Guel, S. 4—55902
Golzio, D. *see* Gerbi, G. 4—39167
Gomaa, M.A. On the use of thermoluminescence and solid state nuclear track detectors in nuclear safety for radiation protection 4—56209
Gomakov, Yu.I., Novikov, N.N., Shut'ko, V.F. An energy criterion for synchronising an asynchronously started synchronous motor 4—56952
Gomati, M.M.El *see* El Gomati, M.M.
Gombia, E., Leccabue, F., Pelosi, C. The CVD growth of $CuAlTe_2$ single crystals 4—58002
Gombia, E., Leccabue, F., Pelosi, C., Seuret, D. Vapor growth, thermodynamical study and characterization of $CuInTe_2$ and $CuGaTe_2$ single crystals 4—35460
Gombia, E., Leccabue, F., Salviati, G., Seuret, D. Large grain growth, morphological and electrical characterization of $CuInSe_2$ sintered compounds 4—30384
Gombolevskii, V.I. *see* Doverman, G.I. 4—34424
Gomes-Martins, A. *see* Traca de Almeida, A. 4—34240
Gomez, A.P. *see* Iglesias, G.E. 4—44550
Gomez, J.C. *see* Reichenstein, H.W. 4—56605
Gomez, J.-R.Alarcon *see* Alarcon Gomez, J.-R.
Gomez, J.R.Alarcon *see* Alarcon Gomez, J.R.
Gomez, L. *see* Hernandez, C. 4—49129
Gomez, M. In-situ checking of measuring instruments 4—61171
Gomez, M. *see* Weisz, S.Z. 4—52765
Gomez, R. *see* Morente, J.A. 4—31744
Gomez, R.S., Marcou, F.D. Single line, multiple timing edge transmission and decoding method [for VLSI ATE] 4—52199
Gomez, R.S., Prilik, R.J. Dual-chip select test cycle simulator 4—46466
Gomez de Silva, J. Digital decoupling of a 3-zone electrical furnace by means of multivariable-PI control 4—40612
Gomez-Aleixandre, C., Albella, J.M., Martinez-Duart, J.M. Gas evolution in aluminum electrolytic capacitors 4—41618
Gomma, M.A., Eid, A.M., El-Kolaly, M.A., Ayad, M.A. Intercomparison between radiation medical exposure and radiation occupational exposure in the Atomic Energy Establishment of Egypt 4—39628
Gomma, M.A. *see* El-Fiki, M.A. 4—55966
Gomma, M.A. *see* Kenawy, M.A. 4—55964
Gomme, N. Technics SXK250 PCM personal keyboard 4—61119
Gommlich, H. Monitoring devices for communications 4—55198
Gomyo, A. *see* Hino, I. 4—37386
Gomzin, G.N., Otmakhov, Yu.A. High-stability balanced parametric amplifier with two idler loops 4—51011
Gon Choi Se *see* Se Gon Choi
Gonauser, E., Unger, B., Rauschert, R., Glasl, A., Schon, K.-R. A bipolar 230 ps masterslice cell array with 2600 gates 4—51131
Goncalves Lavrador, F. Definition and classification of various types of anomalies or faults. I 4—40883
Gonchar, V.Yu., Kononenko, S.G., Naugol'nii, N.N. On the theory of slow extraction of charged particles using the nonlinear betatron oscillation resonance 4—49060
Goncharev, G.I., Zhigalko, V.A. Effect of radial clearances in end seals on efficiency of K-300-240 LMZ turbine at various loads 4—34429
Goncharov, A.D., Grankin, I.M., Nepochatykh, Yu.V. Diffraction surface acoustic wave transducers 4—36984
Goncharov, A.K. Amplitude-frequency method of measuring the reflection coefficient phase 4—33449
Goncharov, E.G. *see* Ugai, Ya.A. 4—30375
Goncharov, S.E. *see* Voronin, A.V. 4—61486
Goncharov, V.G. *see* Apollonov, V.V. 4—37413
Goncharov, V.M. Estimating the economic advisability of backing-up cryogenic cable lines 4—62206
Gonchond, J.P. *see* Deroux-Dauphin, P. 4—51959
Gonda, S. *see* Miyazawa, T. 4—58014
Gonda, S. *see* Sasaki, K. 4—46832
Gonda, S. *see* Yoshida, S. 4—58018
Gondeck, A.R., Jain, V.K. Comparison of three auto-regressive modeling methods 4—53692
Gondek, J., Wojcicki, M. Thick film hybrid probes. III 4—33253
Gondek, J., Wojcicki, M. Thick-film hybrid measuring probes 4—36160
Gondek, J., Wojcicki, M. Thick-film hybrid sensors. I 4—48850
Gonen, T. Load forecasting using Box-Jenkins methodology 4—39837
Gong, K.F. *see* Hammel, S.E. 4—60934
Gong, K.S. Performance of diversity combining techniques for FH/MFSK in worst case partial band noise and multi-tone jamming 4—31838
Gong Desheng, Liu Fuchang, Sun Dafang, Lu Weiguo, Ling Yingyi, Zhuang Dounan, Cai Yingshi, Ding Aizhen, Wang Yiman Study on improvement of lifetime for UV-TEA CO_2 laser by catalytic reaction of decomposed products 4—31305
Gong Di, Qiu Bingshen, Lin Yikun Frequency trimming of a tunable FIR laser 4—37290
Gong Guangyuan *see* Tang Shiqing 4—37291
Gong Guangyuan *see* Wang Fudun 4—31300
Gong Liangxian *see* Deng Ximing 4—31535
Gong Shaowen Theoretic analysis of transformer loaded with a single phase half-wave rectifier 4—58575
Gongqing Wang *see* Wang Gongqing
Gonnella, N.T. *see* Baxter, D.W. 4—52536
Gonoboblev, A.S. *see* Doverman, G.I. 4—34424
Gonoi, K. *see* Kato, Y. 4—29825, 4—41440
Gonopol'skii, A.M. *see* Vakhalin, V.A. 4—62629
Gonord, P., Kan, S., Li Xiting, Sauzade, M. A BASIC program for the calculations of 6th order compensated superconducting solenoids 4—52515
Gonot, J.-P. *see* Sandin, P. 4—56394
Gonschorek, K.-H. Electromagnetic compatibility (EMC) of systems with closely spaced antennas 4—37612
Gonsiorowski, T. Variable threshold discrimination in a photon-imaging detector 4—37210
Gont, M., Ivanco, J., Kavol, J., Smid, M., Huttner, L., Jurcacko, L., Valent, F. A new circuit breaker for building wiring 4—57252
Gontier, J. Modular back panel system 4—50541
Gonza, M.I. *see* Porokhnaya, V.M. 4—55301
Gonzales, C.A., Woodman, R.F. Pulse compression techniques with application to HF probing of the mesosphere 4—56300
Gonzales, D.R. The versatile MC6805S2 peripheral circuitry allows a variety of applications 4—41389
Gonzales, E.M. *see* Levy, D.J. 4—40417
Gonzalez, F.N., Neugroschel, A. Measurement of diffusion length, lifetime, and surface recombination velocity in thin semiconductor layers 4—39266
Gonzalez, G., D'Alvano, F. Wavefront tracking through adaptive linear prediction 4—37994
Gonzalez, H. *see* Fazzini, N. 4—33570
Gonzalez, H. *see* Perez Ferreira, E. 4—33564
Gonzalez, M. *see* Sala, G. 4—34924
Gonzalez, M.A. *see* Hernandez, C. 4—49239
Gonzalez, M.A. *see* Jimenez, J. 4—37197
Gonzalez, M.C. *see* Sala, G. 4—34925
Gonzalez, R., Rofman, E. On deterministic control problems: an approximation procedure for the optimal cost 4—45283
Gonzalez, R.C., Wagner, C.G. Moments of the interclass Mahalanobis distance 4—32028
Gonzalez, R.C., Wagner, C.G. Semi-invariants of the interclass Mahalanobis distance 4—60186
Gonzalez, T.F. An approximation algorithm for the via assignment problem 4—36133
Gonzalez, W.R., Smith, D.L. A practical look at control panel enhancement 4—45214
Gonzalez Bernaldo de Quiros, J. Application of microprocessor filter for image deconvolution in ultrasonic echocardiography 4—49264
Gonzalez de la Cruz, G. *see* Tselis, A. 4—58781
Gonzalez Harbour, M., Drake, J.M. Universal geometric design rules checking program for electronic integrated cells 4—52216
Gonzalez-Hernandez, J., Martin, D., Chao, S.S., Tsu, R. Structural dependence of percolation in germanium films 4—30302
Gonzalez-Hernandez, J., Martin, D., Chao, S.S., Tsu, R. Crystallization temperature of ultrahigh vacuum deposited silicon films 4—46232
Gonzalo, M. *see* Vidal-Quadras, A. 4—55974
Gonzalvez, C.Hernandez *see* Hernandez Gonzalvez, C.
Goo Min Byoung *see* Byoung Goo Min
Gooch, T.K. *see* Gilmore, R.S. 4—51327
Good, E. *see* Schiavone, L.M. 4—52539
Goodale, D., Lieb, D., Miskolczy, G., Moffat, A. Combustion converter development for topping and cogeneration applications 4—40494
Goodale, D. *see* Miskolczy, G. 4—40493
Goodall, I.W., Ainsworth, R.A. Structures at elevated temperatures: how long will they last? 4—62276
Goodall, R.K., Higgins, R.J., Harrang, J.P. Use of capacitance techniques in the study of two-dimensional layers in silicon MOSFETs 4—52135
Goodberlet, M.A., Lee, D.L. Reflected bulk wave delay lines 4—56346
Goode, B.L. *see* Krouskop, T.A. 4—49112
Goode, S.H. A comparison of Gaussian minimum shift keying to frequency shift keying for land mobile radio 4—59924
Goodenough, F. 500-V transistors team with 20V CMOS logic on junction-isolated IC 4—42086
Goodenough, F. Chip excites and detects sensor outputs, fires comparators for control 4—44480
Goodenough, F. One CMOS chip builds voltage-output DAC from 12-bit CMOS device 4—46521
Goodenough, F. Semiconductor technology [analog semicustom chips] 4—52175
Goodenough, F. Analog converters, sample-and-hold amps lead the way to a world of ideal design parameters 4—58398
Goodenough-Trepagnier, C. *see* Demsetz, L.A. 4—56167
Goodfellow, R.C. *see* Plastow, R. 4—52994
Goodhart, J. *see* Eng, H. 4—61264
Goodhue, W.D. *see* Sollner, T.C.L.G. 4—36325
Gooding, J.N. *see* Sandhu, S.S. 4—55262
Goodjohn, A.J. *see* McDonald, C.F. 4—34317
Goodkin, E.M. Fiber-Optics Educator for telecommunications training 4—44110
Goodlette, J.D. The management of failure 4—50387
Goodman, A.M., Russell, J.P., Goodman, L.A., Nuese, C.J., Neilson, J.M. Improved COMFETs with fast switching speed and high-current capability 4—36618
Goodman, C.J. *see* Cardwell, B.J. 4—49905

Goodman, D. *see* Drzymkowski, F. 4−59760
Goodman, D.J., Sundberg, C.-E.W. The effect of channel coding on the efficiency of cellular mobile radio systems 4−44017
Goodman, D.S., Lavin, M.A. Pad deletion test technique 4−41720
Goodman, D.S. *see* Levensen, M D. 4−46906
Goodman, E.D. Torque, voltage, and current harmonics of synchronous machines 4−34614
Goodman, E.D. *see* Joos, G. 4−34984, 4−57435
Goodman, H. NAPLPS−more than just videotex 4−48072
Goodman, J. On the definition of the 'best' confidence interval 4−35330
Goodman, J. On criterion of comparison of reliabilities 4−46043
Goodman, J.M., Daehler, M., Reilly, M.H., Martin, A.J. Global considerations for utilization of real-time channel evaluation systems in HF spectrum management 4−32652
Goodman, J.W. Architectural development of optical data processing systems 4−32021
Goodman, J.W., Leonberger, F.J., Kung, S.-C., Athale, R.A. Optical interconnections for VLSI systems 4−60868
Goodman, J.W. *see* Cao, Q. 4−32007
Goodman, J.W. *see* Freyer, J.L. 4−59621
Goodman, J.W. *see* Moslehi, B. 4−60200
Goodman, J.W. *see* Newton, S.A. 4−52619
Goodman, L.A. *see* Goodman, A.M. 4−36618
Goodman, R.M.F., Abdul-Wahab, M. A fast soft-decision maximum-likelihood sequential decoder 4−37869
Goodman, R.M.F., Lorden, G.L., McEliece, R.J. Lifetime analyses of coded VLSI random access memories 4−41361
Goodman, R.M.F. *see* McAuley, A.J. 4−47778
Goodman, S.E. *see* Slonecker, M.H. 4−52668
Goodman, S.E. *see* Williams, J.C. 4−54819
Goodpaster, D. A 10nS CMOS logic and memory family 4−51179
Goodrich, D.W. *see* Conroy, J.J. 4−36957
Goodrich, G.L. *see* Leifer, L. 4−56172
Goodrich, G.W. A flexible PLL/tone-decoder project. I 4−43935
Goodrich, G.W. A flexible PLL/tone-decoder project. II 4−54639
Goodrich, R.R. Electrical adapter connector 4−51602
Goodrich, R.R., Krumreich, C.L. Customer installable plug 4−51603
Goodrich, R.R., Krumreich, C.L. Printed wiring board modular jack 4−51663
Goodson, A.D. *see* Duck, G.M. 4−44177
Goodwin, A.R. High reliability semiconductor lasers for data links between satellites 4−60815
Goodwin, F. *see* Figueroa, L. 4−37388
Goodwin, L., Cyganski, D., Lane, N., Zimmerman, U., Brown, R., Stephens, K. Preliminary report on learning key concepts in physics and mathematics through computer graphic simulations 4−35211
Goodwin, S.H., Plummer, J.D. Trench isolation technology and device physics 4−30754
Goodwin, S.H., Plummer, J.D. Electrical performance and physics of isolation region structures for VLSI 4−47082
Goody, C. *see* Hanes, R.B. 4−53564
Goodyer, M.J. *see* Britcher, C. 4−33921
Goorden, W. Directed energy weapons 4−61849
Goovaerts, H.G. Instrumentation system with microprocessor. II. User's cards 4−39007
Goovaerts, H.G., van Veen, C., Meekes, M.A.A.M. A general-purpose microprocessor system for medical instrumentation and electrical stimulation 4−33787
Gopakumar, K., Sathiakumar, S., Biswas, S.K., Vithayathil, J. Modified current source inverter fed induction motor drive with reduced torque pulsations 4−50130
Gopal, E.S.R. *see* Parthasarathy, G. 4−51741, 4−58738, 4−58744
Gopal, E.S.R. *see* Prasad, M.V.N. 4−58745
Gopal, I.S., Jaffe, J.M. The auctioneer's problem 4−32130
Gopal, I.S., Jaffe, J.M. Full-memory Go-Back-N protocol for point-to-multipoint communication 4−43786
Gopal, I.S. *see* Bongiovanni, G. 4−32723
Gopal, I.S. *see* Coppersmith, D. 4−52201
Gopal, K., Mudgal, J.B. A heuristic method for optimum redundancy allocation in noncoherent systems 4−46004
Gopal, M., Ghodekar, J.G. Sensitivity reduced design of continuous linear regulator with prescribed degree of stability 4−45019
Gopal, P.M., Wong, J.W. Analysis of a hybrid token-CSMA/CD protocol for bus networks 4−48276
Gopal, P.M., Wong, J.W., Majithia, J.C. Analysis of playout strategies for voice transmission using packet switching techniques 4−32142
Gopal, S., Rao, Y.N. Flashover phenomena of polluted insulators 4−49618
Gopal, V., Warrier, A.V.R. On the optimum thickness of a photoconductive detector: a 0.1 eV HgCdTe detector 4−61391
Gopal Rao, U.V. *see* Gupta, R.K. 4−62000
Gopalakrishna, Y.R. *see* Adams, J.H. 4−52203
Gopalakrishnan, M., Patnaik, L.M. SALAN: a microprocessor-based medium speed experimental local area network 4−60494
Gopalakrishnan, N. *see* Subrahmanyam, V. 4−34962
Gopalam, B.S.V. *see* Dhanasekaran, P.C. 4−50062
Gopalan, K. *see* Chen, C.S. 4−37908
Gopalan, M.N. *see* Naidu, R.S. 4−35332
Gopalan, M.N. *see* Subramanyam Naidu, R. 4−46001, 4−46002, 4−57876, 4−57877
Gopalkrishna, S., Varaprasad, V.S., Sitaramaswamy, P. Study of daytime VLF spectral parameters of atmospherics as a function of azimuth 4−31642
Gopalsai, N., Raptis, A.C. Simultaneous measurement of ultrasonic velocity and attenuation in thin rods with application to temperature profiling 4−55732
Gopani, S.G., Brown, R.B., Shumate, D.A. Integrated phasing and matching networks in printed form for a three-phase unidirectional transducer 4−52391
Gopfert, U.J. Problems in the measurement of small dimensions in the microelectronic industry 4−55693
Gopinath, A., Rankin, J.B. Calculation of intrinsic capacitances of GaAs FETs for switching circuits 4−58940
Gopinath, B., Garcia, J.-M., Varaiya, P. Blocking probability in a switching center with arbitrary routing policy 4−53330
Gopinathan, E., Dutta Roy, S.C., Patney, R.K. New amplitude change functions for improving the filter response 4−53621
Goplen, B., Bollen, W.M., Thomas, G.E. Comparison of computer simulation and soliton theory for a magnetron 4−30269
Gorabienkow, J.M., Kynast, E.E., Luehrmann, H.M. Switching of capacitive currents of disconnectors in gas insulated substations 4−57271
Goradia, M. *see* Karamerich, G.L. 4−40751
Gorakhpurwalla, H.D., Cooper, E.H., Johnson, M.J. A spherical dipole probe system (SDPS) for the measurement of electric fields from 30 Hz-1 MHz 4−61477
Goran Lundblad, L. Analog systems at chip level 4−58966
Goranson, R.W. Ten million frame per second IR videography 4−61100
Goranson, R.W. *see* Jordan, D.H. 4−61556
Goras, L., Petrus, O., Khatib, A., Constantin, B., Zaharia, I. On the possibilities of fast Fourier transform applications in heart diseases diagnosis 4−33833
Goras, L. *see* Munteanu, V. 4−29748
Gorbach, T.Ya., Matveeva, L.A., Svechnikov, S.V. Reflecting power of silicon and germanium microrelief surfaces 4−37188
Gorbachev, A.A., Koldanov, A.P., Tsvetkov, V.Ye. Detection of one class of pulse processes 4−53641
Gorbachev, A.P., Neverov, S.G. Broadband separating-adding devices with channel standby 4−51532
Gorbal, M.R. *see* Santa, I. 4−31313
Gorban', A.P., Kostylev, V.P., Makarov, A.V., Serba, A.A. On stability of characteristics of silicon solar cells with an induced channel 4−62698
Gorban', A.P., Serba, A.A. Photoelectric solar energy convertors based on silicon DS(MDS) structures 4−40434
Gorban', A.P., Zozulya, B.I., Zozulya, Yu.I., Kostylev, V.P. Generation processes in local areas of silicon solar cells, stimulated by electric field 4−62699
Gorban', A.P., Zozulya, Yu.I., Kostylev, V.P. Brightening of silicon photoreceivers in short-wave spectral band 4−39174
Gorban', I.I. *see* Aleshchenko, O.M. 4−31978
Gorban', I.S., Zubrilin, N.G., Kucherov, A.S., Chernomorets, M.P. The spectral composition of XeCl-laser radiation with an electron beam pumping 4−37313
Gorbatsevich, F.F. Shear-vibration transducers for determining the properties of highly absorbing media 4−35552
Gorbatyi, I.N. Magnetoconcentration effect in semiconductor samples of finite length 4−46791
Gorbatyi, I.N. *see* Avagyan, A.Kh. 4−36317
Gorbatyuk, A.V., Gerkhov, I.V., Nalivkin, A.V. Transistor effect in a bipolar n^+pNn^+ structure during pulsed injection excitation 4−58911
Gorbatyuk, A.V., Grekhov, I.V., Kostina, L.S., Nalivkin, A.V. Injection-avalanche mechanism for triggering submicrosecond backward dynistors 4−58941
Gorbatyuk, A.V. *see* Grekhov, I.V. 4−36569
Gorbik, P.P., Komashchenko, V.N., Fedorus, G.A. Properties of reverse-biased p-Cu_2S−n-$Zn_xCd_{1-x}S$ heterojunctions 4−58768
Gorbik, P.P., Komashchenko, V.N., Kononets, Ya.F., Maistrenko, A.S. Ultraviolet emission detectors using p-$Cu_{2-x}S$−n-ZnS heterojunctions 4−58769
Gorbovskoi, V.E. *see* Martynovich, E.F. 4−42597
Gorbunov, A.A. *see* Ageev, V.P. 4−59679
Gorbunov, A.V. *see* Bronnikov, A.D. 4−59561
Gorbunov, V.M., Kvasnitsa, M.S. Analysis of a train of short pulses passing through a simple amplifier with automatic gain control 4−29684
Gorbunova, K.N., Dudinova, G.V., Stefanenko, I.S. Using perlite to produce low-voltage electrical porcelain 4−41108
Gorbuntsov, A.F., Ivanov, S.A., Berezov, V.A., Klepov, A.P. A study of a three-dimensional electric field in a winding edge zone of multicore-type transformers 4−45484
Gorchakov, O.E., Kuptsov, A.V., Luchan, L. Wide-aperture scintillation counter with two FEU-49 photomultipliers 4−61702
Gorczwski, W. *see* Moscicka-Grzesiak, H. 4−46760
Gordeev, A. *see* Artemiev, V. 4−61684
Gordeev, S.N., Zarif'yants, Yu.A. Potential barriers on the surface of amorphous hydrated silicon 4−46830
Gordeev, V.F. Metallic optics of technological laser apparatus 4−59550
Gordeev, V.N., Shpilevoi, B.N., Yuzhakov, A.N., Yakushev, A.K. Device for comparing pulse amplitudes 4−51067
Gorder, G., Ranghelli, J. Space qualified L-band triplexer for global positioning system 4−38710
Gordetsky, G.R. Solving the problems of voice/data integration 4−32539
Gordienko, N.I. *see* Kozlov, M.I. 4−29712
Gordienko, V.I., Kulynych, Ya.P., Ubogii, V.P., Yaroshevskii, E.V. A cylinder in a magnetic dipole field, located over a horizontal interface of media 4−53156
Gordienko, Yu.E. Interaction of the HF resonator's electromagnetic field with a semiconductor due to an opening in its wall 4−41562
Gordin, I.V. Water-protection and power efficiency of reservoir drawdown 4−62429
Gordin, M.P., Sadovnikov, V.P., Strelkov, G.M. Enhancement of the bleaching capacity of a laser beam in the atmosphere 4−42710
Gordon, B. Degaussing−the demagnetisation of ships 4−50160
Gordon, C.K. *see* Burdette, E.L. 4−62444
Gordon, D.W. Acquiring full-text documents: the information specialist's ongoing problem 4−43683
Gordon, G.D. Effect of moon's shadow on geostationary satellite power systems 4−39666
Gordon, G.I., Teumin, I.I. Modulation-frequency characteristics of multimode optical fibers 4−31141
Gordon, J. Strong RSA keys [for public key cryptosystem] 4−43094
Gordon, J.P., Fork, R.L. Optical resonator with negative dispersion 4−37402
Gordon, J.P. *see* Martinez, O.E. 4−37263
Gordon, J.S., Mathieson, E. Distribution of cathode charge in a multiwire proportional chamber 4−33687
Gordon, K.D. *see* Dowdy, L.W. 4−29333
Gordon, M.R. Selection of ground control points for geometrically correcting satellite imagery 4−33973
Gordon, R.G. *see* Ellis, F.B., Jr. 4−51751
Gordon, R.L. Reforming regulation of electric utilities in the USA−priorities for the 1980s 4−56428
Gordon, W.B. Accuracy of linear estimation with band-limited signals 4−38012
Gordon, W.S. *see* Chimczak, E. 4−37209
Gordos, G. Digitalization in acoustics−new prospects in the relations of human beings−machines 4−31919
Gordos, G. *see* Berceli, T. 4−44115
Gordov, A.N., Khodunkov, V.P. Manifestation of Thomson effect in standard temperature-calibrated lamps 4−40583
Goree, P.F., Musson, T.A. DoD/Industry-R&M case study analysis 4−46029
Gorelenok, A.T., Kolyshkin, V.I., Tarasov, I.S. InGaAsP/InP double heterostructure stripe lasers fabricated by oxygen ion implantation 4−52990
Gorelenok, A.T. *see* Bagraev, N.T. 4−46820
Gorelenok, A.T. *see* Gatsoev, K.A. 4−42467
Gorelik, D.G., Dokuchaev, Yu.M., Kubyshkin, E.A., Semerenko, A.V. Standardization of metrological characteristics for electronic energy meters 4−33357
Gorelik, D.G. *see* Ermankov, V.S. 4−62257
Gorelikov, N.I., Bantikov, V.S., Ivanov, V.I., Ostroverkhov, V.V. Prospects of developing electrical measurement instruments with optoelectric readouts 4−55549
Gorelikov, N.N. Provision of high quality products in ministry of instrument making 4−33093
Gorelov, L.V., Nosov, V.V., Nazarov, E.B., Kikot', V.B. Stereoscopic television equipment for biotechnical robots in nuclear technology 4−61104
Gorelov, S.S. *see* Verbitskaya, E.M. 4−46938
Gorenbukh, I.L. *see* Pinskii, G.B. 4−40151
Goretzki, J.A. *see* Anderson, P.M. 4−55539
Gorga, K.J., Krager, K.I. Anti-saturating ANR cable receiver 4−35912
Gorin, V.I. Some results of operation of supercritical units under neutral-oxidising water conditions 4−40105

Gorin, Yu.N. *see* Vendik, O.G. 4—52510
Gorin, Yu.P. *see* Antipov, Yu.M. 4—61731
Goring, H.-G. Simple logic analyser 4—55311
Gorisev, S.A. *see* Sipailov, G.A. 4—40333
Gorkunov, E.S. *see* Zabil'skii, V.V. 4—50857
Gorlei, P.N., Kushnir, N.Ya. Anisotropy of the hole mobility in tellurium 4—30315
Gorlich, S., Kubalek, E. Irradiation effects on passivated NMOS-transistors caused by electron beam testing 4—42055
Gorlick, A.E., Portelli, W.J. Return on investment in CAD tools 4—57766
Gormady, J., Weiner, D., Capraro, G., Paludi, C. Random susceptibility of an IC 7400 TTL NAND gate 4—35776
Gorman, J.W. *see* Seigel, L.J. 4—35210
Gorman, L.K. *see* Patterson, F.R. 4—39507
Gorman, R. *see* Ardire, P. 4—60528
Gormsen, B. Viewdata experiment of the Danish Teleadministration 4—48097
Gornick, C.A. *see* Stokes, K.B. 4—49309
Gornik, E., Lindemann, G., Kuchar, F. Tunable far-infrared emission from uniaxial-stress-enhanced spin-flip transitions in InSb 4—37351
Gornik, E. *see* Hopfel, R.A. 4—36355, 4—58812
Gornik, G. *see* Seidenbusch, W. 4—51849
Gornik, V. *see* Ivsinovic, B. 4—56879
Gornostaev, L.S. *see* Korobkov, V.V. 4—56844
Gornov, M.G., Gurov, Yu.B., Morokhovets, M.A., Neimark, K.N., Osipenko, B.P., Sandukovskii, V.G. Silicon surface-barrier detectors alloyed with phosphor in a flux of thermal neutrons 4—49081
Gornov, M.G., Gurov, Yu.B., Morokhov, P.V., Osipenko, B.P., Pichugin, A.P., Sandukovskii, V.G. Determination of the thickness of structure layers in semiconductor detectors with the aid of charged particles 4—61701
Gornov, M.G. *see* Gaisak, I.I. 4—49073
Gorobets, N.N., Lyakhovskii, A.F. A semicircular waveguide circularly polarized radiator 4—41567
Gorobets, N.N., Matrosov, S.N., Khizhnyak, N.A. Radiation resistance of a dipole of arbitrary length placed at the centre of a magneto-dielectric sphere 4—42956
Gorochow, W.A., Rybakow, W.S., Bisjarin, A.B. Design and circuit of high rate action integrated photodectors 4—33307
Gorodetskii, A.Ya. Filtering of modulated random pulse streams 4—31982
Gorodkov, Y. *see* Artemiev, V. 4—61684
Gorodkov, Yu. *see* Arefiev, A. 4—55843
Goronkin, H. Sidegating and backgating in GaAs ICs 4—59035
Gorovenko, G.G. *see* Malyushevskii, P.P. 4—36922
Gorowitz, B. *see* Cohen, S.S. 4—58792
Gorshkov, A.G., Khromov, O.I. Detection of discrete radio sources against the set-noise background 4—32874
Gorshkov, A.S. *see* Volyak, K.I. 4—42892
Gorshkov, B.G. *see* Voitik, M.G. 4—37138
Gorshunov, V.Yu., Konov, Yu.S., Moguzov, V.F. On compressing power transformer windings 4—40304
Gorshunov, V.Yu. *see* Konov, Yu.S. 4—57134
Gorshunova, N.N., Chimisov, Yu.M., Mironov, V.L. Pyrometer for measuring temperature of surface of glass articles 4—55491
Gorski, A., Lorenc, T. UCW1 type data concentrator for despatcher board updating [display unit] 4—62048
Gorski, W. Design features and error sources of pushrod dilatometers 4—39310
Gorskii, A.N., Ivanov, N.R., Zdeblovskii, V.A. Allowance for nonlinear dependency of magnetic permeability in calculating power losses in the cores of the electromagnetic elements of semiconductor converters 4—62628
Gorskii, Yu.M. Approaches to simulation of contradictions and compromises 4—33382
Goryachev, S.B., Makeev, V.S., Orlov, M.Yu., Semenychev, L.N., Khromylev, V.N., Sharkov, V.F. Regenerative electrical gas heater for GDL 4—42532
Goryachuk, O.L. *see* Vasin, B.L. 4—55281
Gosachinskii, I.V. *see* Venger, A.P. 4—32876
Gosbell, V.J. *see* Noe, M. 4—62718
Gosch, J. Chip for tuning and remote control suits low-cost TVs 4—32920
Gosch, J. With add-in modules, 24-channel analyzer grows to suit needs 4—44462
Goscicki, B. Ship earth stations of maritime mobile-satellite system 4—44039
Goser, K. *see* Fazekas, P. 4—30740
Gosewinckel, W.G. The Australian National Satellite System 4—60787
Goshey, J., Hoo, S.K. Non-contact sensor for oxide data disks 4—61336
Goshurenko, V.I. *see* Kozlov, M.I. 4—29712
Gosnell, T.R. *see* Tkach, R.W. 4—31358
Gospodinov, M., Sveshtarov, P. Growth of α-mercury iodide crystals and study of space charge relaxation in an applied electric field 4—29464
Goss, M. 2010 started in 1983 [Intelsat] 4—54672
Gossard, A.C. *see* Cage, M.E. 4—58776
Gossard, A.C. *see* Hayes, J.R. 4—36560
Gossard, A.C. *see* Kastalsky, A. 4—58525
Gossard, A.C. *see* Luryi, S. 4—36639, 4—47030
Gossard, A.C. *see* Miller, D.A.B. 4—42706, 4—53055
Gossard, A.C. *see* Paalanen, M.A. 4—41877, 4—41880, 4—51835
Gossard, A.C. *see* Pinczuk, A. 4—41878
Gossard, A.C. *see* Stormer, H.L. 4—42046
Gossard, A.C. *see* Venkatesan, T. 4—53076
Gossard, A.C. *see* Wood, T.H. 4—38655
Gosselin, J. *see* Maurin, T. 4—34533
Gosset, J. DIOGENE pictorial drift chamber 4—33643
Gosset, L. *see* Chase, R.L. 4—39426
Gossett, P. *see* Smith, J.O. 4—53735
Gossmann, W. *see* Korhammer, K.D. 4—35012
Gostev, I.V. *see* Komarov, A.N. 4—34049
Gostishchev, V.M. *see* Vaneev, B.N. 4—62675
Gostyukhin, V.L., Grineva, K.I., Klimachev, K.G. Diffraction of waves at an open waveguide structure with a uniform stratified filling 4—42916
Gostyukhin, V.L. *see* Voskresenskii, D.I. 4—42982
Goswami, J.N. *see* Biswas, S. 4—55952
Goswami, J.N. *see* Kukreja, L.M. 4—31539
Gosy, M. *see* Hochenburger, E. 4—47805
Gosztony, G. Facts and trends of telephone traffic engineering in the CCITT 4—48007
Goto, F. *see* Tanaka, H. 4—31021
Goto, G., Takahashi, H., Nakamura, T. Latchup immunity against noise pulses in a CMOS double well structure 4—36857
Goto, H. *see* Nukiyama, T. 4—51306
Goto, H. *see* Okazawa, T. 4—30796
Goto, H. *see* Shimasaki, N. 4—32606
Goto, K. *see* Hatakoshi, G. 4—47240
Goto, M., Kobayashi, K. An analysis of the cogging torque of a DC motor and a new technique of reducing the cogging torque 4—57062
Goto, N., Miyazaki, Y., Akao, Y. Tunable wavelength-selection characteristics of multi-layered thin-film optical separators using surface acoustic waves 4—42447
Goto, N. *see* Hara, Y. 4—47658
Goto, N. *see* Hayashi, Y. 4—30009
Goto, S., Enomoto, N. Transfer mode inverter consisting of uniform pulses 4—50970
Goto, S. *see* Fujita, T. 4—29590
Goto, S. *see* Takamizawa, K. 4—52212
Goto, T. Nationwide land mobile telephone service using new tracking exchange technologies 4—32248
Goto, T. Excitation mechanisms of atomic gas mixture lasers—centering around the positive column He-Cd^+ laser 4—42538
Goto, T. *see* Ariizumi, T. 4—42301
Goto, Y. *see* Fujiwara, O. 4—49324
Gotoh, K. Digital telecommunications switching system architecture 4—32566
Gotoh, K., Iwahashi, E. Development of digital local switching system and synchronous digital terminals 4—38396
Gotoh, K., Tawara, K. Digital telecommunication switching. III. Speech path 4—43880
Gotoh, K., Yamamura, T., Saito, T., Itoh, A., Shirato, T. A single chip 1200 b.p.s. MSK modem for multi channel access 4—54502
Gotoh, K. *see* Akiyama, M. 4—48350
Gotoh, T. Sound image localization in two loudspeaker stereophony 4—33065
Gotoh, T., Itoh, J., Funada, Y., Okabe, T. A single chip floppy disk drive subsystem IC 4—59001
Gotoh, T., Kimura, Y., Yamada, A., Watanabe, K. A new sound image localization control system for stereophonic recording 4—48668
Gotovtsev, N.P., Fedosov, M.I. Method for calculating electromagnetic forces in a cryogenic homopolar machine inductor 4—45454
Gotow, K. Search for muon-electron conversion with a time projection chamber 4—55817
Gotow, K. *see* Bryman, D. 4—33632
Gots, S.S. *see* Bakhtizin, R.Z. 4—33435
Gotshal'k, O.A. Balancing of automatic bridges with essentially nonlinear characteristics 4—55582
Gottardi, G. *see* Bagatin, M. 4—50232
Gottdenker, R. Designing and implementing Net 1000 customer applications 4—32451
Gottlieb, E. *see* Chakravarty, D. 4—29763
Gottschalk, B., Koehler, A., Wilson, R. Radiotherapy with 160 MeV protons 4—39600
Gottschalk, E. *see* Wurpel, H. 4—57858
Gottschalk, H.-P. *see* Schonfeld, R. 4—57090
Gottschalk, P.G., Oates, D.E., Wright, P.V. Measurement of electroacoustic coefficients in $LiNbO_3$ and $LiTaO_3$ and application to signal-processing devices 4—52437
Gottstein, H. Amplification and transformation of optical signals with TRAPATT diode 4—41594
Gottwald, J. *see* Zahn, M. 4—52316
Gottwald, S. On the existence of solutions of systems of fuzzy equations 4—40949
Gotua, T.K. *see* Turkiya, N.G. 4—50897
Gotway, E.O., Ilic, D. Stochastic control of discrete version of very complex branch-and-bound optimization algorithms 4—35415
Gotz, B. Supervision of electrical functions in motor cars 4—57492
Gotz, D. *see* Pohl, A. 4—57056
Gotz, G., Andra, W., Geiler, H.-D., Wagner, M. Pulse-laser-induced epitaxial regrowth of ion-implanted semiconductors 4—35495
Gotz, H. Better CAE is urgently necessary 4—46294
Gotz, K. *see* Korhammer, K.D. 4—35012
Gotz, K.H. *see* Schmidt, J. 4—46526, 4—58402
Gotz, R. Dialling home-computer. Telephoning with the ZX Spectrum 4—60561
Gotze, M., Raussen, N. General mismatch of quantizers for random variables with general Gaussian distribution 4—43153
Gotze, W. *see* Gold, A. 4—30445
Gotzer, K. *see* Wenderoth, W. 4—38201
Gotzlich, J., Tsien, P.H., Henghuber, G., Ryssel, H. CO_2 laser annealing of ion-implanted silicon: relaxation characteristics of metastable concentrations 4—36423
Gouache, J.C. *see* Anderson, L. 4—55989
Goubau, W.M. Planarization of conductor surfaces 4—41704
Goud, P.A. *see* Das, S. 4—37091
Gouda, M.G., Yu, Y.T. Protocol validation by maximal progress state exploration 4—31812
Gouda, O.E. *see* Abdel Aziz, M.M. 4—56633
Goudoever, H.van *see* van Goudoever, H.
Goudsmit, P.F.A. *see* Beer, W. 4—49102
Gouedard, C. *see* Adolf, A. 4—31477
Gough, P.T., de Roos, A., Cusdin, M.J. Continuous transmission FM sonar with one octave bandwidth and no blind time 4—38691
Goulard, R., Zunino, P. Improvements to MOS retention time based tests 4—52111
Gould, C.A. Factors specific to the design and installation of submarine optical cables 4—54615
Gould, C.M. *see* Israelsson, Y.E. 4—52517
Gould, J.D., Boies, S.J. Speech filing—an office system for principals 4—48038
Gould, K.L. *see* Mullani, N.A. 4—33813
Gould, L. *see* Shen, Y.-S. 4—41626
Gould, P. *see* Ward, R. 4—36665
Gould, R. Telecommunications and development in Latin America and the Caribbean 4—54001
Gould, R.G. Transmission standards for direct broadcast satellites 4—38777
Goulden, O.A. Bleak times ahead for heavy electricals 4—40820
Goulding, F.S., Landis, D.A., Luke, P.N., Madden, N.W., Malone, D.F., Pehl, R.H., Smith, A.R. Semiconductor detectors and double beta decay 4—33703
Goulding, F.S. *see* Loo, B.W. 4—55401
Goulding, F.S. *see* Thompson, A.C. 4—55838
Goulding, F.S. *see* Varnell, L.S. 4—33778
Goulding, M.R. *see* Thomas, C.B. 4—30362
Goulianos, K. A high pressure hydrogen time projection chamber 4—33637
Goumy, C., Golden, E. Telematic services via satellite in Europe 4—60747
Goure, J.P., Mure-Ravaud, A., Charpille, G. Study of the possible limits of a near-field method applied to the radiance law determination of a semiconductor source 4—39340
Gourley, K.D., Crowley, R.T., Green, D.M. Laser fabrication of microelectronic masks 4—36157
Gourley, P.L., Biefeld, R.M., Zipperian, T.E., Wiczer, J.J. Minority-carrier diffusion lengths in $GaP/GaAs_xP_{1-x}$ strained-layer superlattices 4—41860
Gourzerh, J., Le Gall, H., de Beauregard, Y., Gratecap, D., Desvignes, J.M. Laser and thermal annealings of Bi, Ga- and La, Ga-substituted garnet films 4—30975
Gouskov, L., Conjeaud, A.L., Dhouib, A., Favennec, P.N., Salvi, M., l'Haridon, H., Bastide, G., Bayaa, D. n^+-InP (silicon implanted)/p-InP homojunction: minority carrier diffusion length in the implanted layer 4—36319
Gousty, Y.L., Pigeyre, A.L., Thieblemont, R. The capacity for absorbing and assimilating foreign technology by developing countries 4—29185
Goutis, C.E., Drossos, S.N. Fast iterative algorithm for reconstruction from divergent-ray projections 4—43442
Goutis, C.E., Leahy, R.M., Cassidy, P.G. Spectra using data distribution and covariance modelling 4—60098
Goutis, C.E. *see* Leahy, R.M. 4—53684
Goutzoulis, A.P. Squared signal correlation and a possible acoustooptic implementation 4—32006
Gouveia, J.B., Barbosa, F.M., Miranda, V., Almeida do Vale, A. Local indices—a new approach to bulk power systems reliability evaluation 4—34081
Gouyon, J.P. *see* Souza Leao, J. 4—29501
Gouzien, P. *see* Perichon, R.A. 4—30098
Govaerts, R. *see* Davio, M. 4—53436
Govaerts, R. *see* Desmedt, V. 4—43203
Govaerts, R. *see* Desmedt, Y. 4—43158, 4—47777
Govan, E.L. *see* Lipman, A. 4—54696
Govan, G.R., Littlewood, P.A. Design features of the coal and ash handling plant 4—62368
Gover, A., Ruschin, S., Friedman, A., Zelinger, R., Kleinman, H., Shnitzer, I. Experimental, theoretical and design concepts of stimulated Compton free electron lasers 4—52842
Gover, A. *see* Chen, C.K. 4—52843
Gover, A. *see* Fauchet, A.M. 4—52844

Gover, A. *see* Granatstein, V.L. 4—52834
Govil, A.K., Kumar, S., Parshad, R. Experimental behaviour of indium amalgam contacts on semiconductors and insulator films 4—51868
Govil, K.K. Selection factor algorithm for reliability and maintainability tradeoff to optimize availability allocation subject to cost constraint 4—46005
Govil, R., Kapoor, S.S., Nadkarni, D.M., Murthy, S.R.S., Rama Rao, P.N. Measurement of specific energy losses of individual fission fragments with a back-to-back ΔE-E detector system 4—49067
Govinda Raju, G.R. Calculation of formative time lags in dry air in crossed electric and magnetic fields 4—42185
Govindan, V.S. *see* Selvapathy, T.P. 4—56337
Govsievich, M.F. Modular equipment substations of 35, 110 and 220 kV 4—40295
Gow, E.L. *see* Forster, F.K. 4—56178
Gowar, J. Optical communication systems 4—40698
Gowda, K.Chidananda *see* Chidananda Gowda, K.
Gowdy, J.N., Wallace, R.S. Robotics and the space station 4—61850
Gowdy, J.N. *see* McCourry, T.L. 4—58470
Gowen, R.J., Stata, R., Cranch, E.T. Is there really a crisis in engineering education? 4—35168
Gowers, J.P. *see* McMillan, G.B. 4—41950
Goy, P. A packaged Schottky diode as detector, harmonic mixer, and harmonic generator in the 25-500 GHz range 4—46996
Goyal, A. *see* Rehmat, A. 4—35094
Goyal, I.C. *see* Kumar, A. 4—42352
Goyal, I.C. *see* Mishra, P.K. 4—37120, 4—47271
Goyal, R. Recent advances in precision AC measurements 4—44574
Goyal, S.K. A simple approach for scheduling n jobs on two machine tools 4—50478
Goyal, S.K. A heuristic rule for determining packaging frequency of jointly replenished items 4—50545
Goyal, V., Murari, K. Cost analysis in a two-unit standby system with a regular repairman and patience time 4—46012
Goyet, G. *see* Salame, E. 4—56975
Gozbenko, V.P., Tsykalo, N.D. The CB-23 digital-analog converter 4—51335
Gozdecki, T. Prototype series of type SD-3/158 diffusion stations 4—46935
Graaf, A.C.de *see* de Graaf, A.C.
Graaf, F.Van Der *see* Van Der Graaf, F.
Graaf, S.R.De *see* De Graaf, S.R.
Grab, Ch. *see* Bertl, W. 4—33757
Grabbe, P. *see* Ko, P.K. 4—36885
Grabbe, P. *see* Skocpol, W.J. 4—51899
Grabchikov, A.S. *see* Apanasevich, P.A. 4—59584
Grabecki, G., Dietl, T., Kossut, J., Zawadzki, W. Quantum transport in semimagnetic HgMnTe inversion layers—experiment and theory 4—51910
Graber, W.S., Ehrlich, D.J., Tsao, J.Y., Silversmith, D.J., Sedlacek, J.H.C., Mountain, R.W. Reconfiguring semi-custom ICs using lasermicrochemical techniques 4—59000
Grabitz, V.R. Bulb-type generators and electrical equipment of Isar power plant at Landau 4—40192
Grabler, G., Plumacher, N. Pneumatic coal charging systems for fluidized bed furnaces 4—45290
Grabmaier, B.C. Crystal scintillators 4—39443
Grabowski, J. 16-bit-microprocessor features comparison. I 4—29921
Grabowski, J. 16-bit-microprocessor features comparison. II 4—41382
Grabowski, R., Molnar, J., Schweizer, W., Unger, L. Optical ranging for three-dimensional object recognition 4—49016
Grabowsky, W.R. *see* Lin, T.C. 4—44799
Grabska, E. Compositing nets and their application to pattern representation 4—60220
Grace, P. Switch-mode power supplies 4—41181
Grach, I.M. Natural coordinates of electromagnetic field 4—42765
Grachev, A.I. *see* Berezkin, V.I. 4—30391
Grachev, V.G. *see* Aksenov, E.T. 4—32880
Grachev, V.G. *see* Venger, A.P. 4—32876
Gracia, V.Alonso *see* Alonso Gracia, V.
Gradinarski, D.N. *see* Vulkov, S.A. 4—41377
Grado Caffaro, M. *see* Angeles Grado Caffaro, M. 4—54992
Grado Caffaro, M.Angeles *see* Angeles Grado Caffaro, M.
Grady, W.M., Heydt, G.T. Voltage and current distortion in power systems caused by six pulse line commutated converters 4—62099
Grady, W.M. *see* Song, W. 4—62155
Graefe, R.J. *see* Bruce, F.M., III 4—34658, 4—57035
Graefe, V. A picture processing computer to control movement by computer provided vision 4—38073
Graefe, V. On the representation of moving objects in real-time computer vision systems 4—53825
Graells, J.yza *see* yza Graells, J.
Graf, E.P., Peier, U.R. BVA quartz crystal resonator and oscillator production—a statistical review 4—30915
Graf, F., Penzkofer, A. Excited state absorption dynamics of fast relaxing dye no.5 4—59603
Graf, F., Pleininger, G., Penzkofer, A. Analysis of temporal pulse development in passively modelocked lasers 4—47438
Graf, H.A. *see* Moore, R.T. 4—43755
Graf, H.-D. *see* Grundey, T. 4—55787
Graf, M.C., Radke, C.E. Transparent I/O isolation—I/O isolation in fixed metal [logic masterslice design] 4—35761
Graf, V. *see* Broom, R.F. 4—31068
Graf, W.H. Storage losses in reservoirs 4—45205
Graff, J., Cook, P.L., Harris, I. A new system for real-time monitoring of oceanographic data 4—39735
Gragg, J.E., McCulley, W.E., Newton, W.B., Derrington, C.E. Compensation and calibration of a monolithic four terminal silicon pressure transducer 4—61366
Graham, I. Advances in LED technology 4—33386
Graham, J.A., Jr. RF shielding for NMR imagers 4—61848
Graham, J.C. *see* Arrillaga, J. 4—62156, 4—62603
Graham, J.W. *see* Chow, W. 4—49739
Graham, J.W. *see* Watts, K.C. 4—34482
Graham, K. Information Technology Users' Standards Association. A feasibility study 4—43531
Graham, R. Chaos in simple laser systems 4—42518
Graham, R. Order parameter fluctuations of a laser with polarization symmetry 4—52857
Graham, W.G. Vacuum ultraviolet emission and H^- production in a low pressure hydrogen plasma 4—44675
Graichen, G. Rectifying and switching diodes 4—45529
Grainger, B. *see* Twidell, J. 4—45380
Grainger, J. *see* James, G.D. 4—55946
Grainger, J.J., Civanlar, S., Clinard, K.N., Gale, L.J. Discrete-tap control scheme for capacitive compensation of distribution feeders 4—62173
Grajales, T. Cellular networks in the mobile (telephone) service in Spain 4—54645
Grallert, H.-J., Mohrmann, K.H. Source encoding for transmission of TV signals in 140 Mbit/s channels 4—47743
Grallert, H.-J., Starck, A. Component encoding of colour television signals for transmission in 34, 70 and 140 Mbits/s channels 4—44228
Grallert, H.-J., Tengler, W. Image coding by differential pulse code modulation and transform coding techniques, a comparative survey 4—43452
Gramatke, H.P. Computers learn to talk: vocabulary 4—37889
Gramatke, H.-P. Long test report: Laser 210 twins: Laser 210 from Sanyo Video and VZ 200 from Quelle 4—35853
Gramberg, E., Ulrich, D. Colour TV receiver as oscilloscope: LF on screen 4—39223
Grami, A., Pasupathy, S. Two-sample receivers for PAM and partial response signaling 4—31987
Grammatica, S. *see* Jansen, F. 4—41847, 4—61397
Grammatica, S. *see* Mort, J. 4—37196
Grams, T., Siebert, H. Or operation using periodical signals without DC offset 4—46409
Gramz, M. *see* Sikora, R. 4—34666
Granacki, J. *see* Knapp, D. 4—36778
Granatstein, V.L., Carmel, Y., Gover, A. Demonstration of a free electron lasers with an electromagnetic wiggler 4—52834
Granatstein, V.L., Park, S.Y. Survey of recent gyrotron developments 4—36187
Granatstein, V.L. *see* Gold, S.H. 4—31274, 4—31275, 4—31279, 4—52835, 4—59382
Granatstein, V.L. *see* Park, S.V. 4—41767
Grand, G. *see* Cranmer, J.M. 4—34199
Grand, Y.M.Le *see* Le Grand, Y.M.
Grandbois, G., Freeman, W. Software aids A/D converter interface 4—35881
Grande, D. *see* Luo, R.-C. 4—57614
Grande, M. The BUGS-4 cosmic ray detector 4—55853
Grandinetti, L. Some investigations in a new algorithm for nonlinear optimization based on conic models of the objective function 4—40974
Graneau, P. Longitudinal magnet forces? 4—31585
Graneau, P. Ampere tension in electric conductors 4—42766
Granestrand, P., Thylen, L. Active stabilisation of polarisation on a single-mode fibre 4—37105
Grange, J.A. *see* Pan, S.-K. 4—35705
Granger, E.M. A summary measure of image quality 4—53851
Granger, R.L. Satellite design considerations for domestic communications in the INTELSAT system 4—54715
Granic, G., Zeljko, M. Possible trends in power consumption development in SR Croatia till 2000 year 4—45029
Grankin, I.M. *see* Goncharov, A.D. 4—36984
Grankin, M.A. *see* Malyshkin, M.A. 4—30337
Granlund, G.H. *see* Knutsson, H. 4—38103
Granlund, J. *see* D'Addario, L.R. 4—54926
Granlund, S.W. *see* Levinson, F.H. 4—36017
Granlund, S.W. *see* Liou, K.-Y. 4—53005
Granneman, E.H.A., Geerlings, J.J.C., van Wunnik, J.N.M., van Bommel, P.J., Hopman, H.J., Los, J. H^- and Li^- formation by scattering H^+, H_2^+ and Li^+ from cesiated tungsten surfaces 4—44681
Granneman, E.H.A., Thomae, R.W., Siebenlist, F., van Amersfoort, P.W., Hopman, H.J., Kistemaker, J., Klein, H., Schempp, A., Weis, T. The Amsterdam 'MEQALAC' RF acceleration system 4—61609
Granot, D., Huberman, G. On the core and nucleolus of minimum cost spanning tree games 4—57911
Granovskaya, R.A., Kuz'mina, G.A. A comparative estimate of the efficiency of transmitting phased antenna array structures 4—42985
Granovskii, V.V., Rakhovskii, V.I., Shustryakov, V.M. Double-beam atomic-absorption spectrophotometer for atomic-beam intensity monitoring [MBE application] 4—50788
Granqvist, C.G. *see* Hamberg, I. 4—31089
Granqvist, C.G. *see* Niklasson, G.A. 4—40489
Granstrom, B. *see* Blomberg, M. 4—59972
Granstrom, B. *see* Magnusson, L. 4—43244
Grant, A.A., Bain, J.M. A pump as a small turbine 4—45352
Grant, D., Stevens, M., Houldsworth, J. The effect of word length on the harmonic content of microprocessor-based PWM waveform generators 4—57427
Grant, D., Wurcer, S. The nearly forgotten passives 4—46634
Grant, D. *see* Astbury, A. 4—33756
Grant, D. *see* Guy, T. 4—51320
Grant, D.A. *see* Rajaraman, K.C. 4—62527
Grant, E.H. *see* Gabriel, C. 4—49002
Grant, I.J. The Fairlight explained 4—61123
Grant, I.M. *see* Fenton, B.P. 4—55321
Grant, J., Parr, S. Spectrum MIDI [for computer music] 4—55093
Grant, J.S. Multilink—a ring that provides a simple interface for individual outstations 4—54421
Grant, L.J. Medical electronics—the acceptable high technology 4—33792
Grant, P.M., Alvarez, A. Frequency domain adaptive filter designs 4—51400
Grant, P.M., Rutter, M.J. Application of gradient adaptive lattice filters to channel equalisation 4—51442
Grant, P.M. *see* Rutter, M.J. 4—51478
Grant, T.J., Garcia, R., Miram, G.V., Smith, B. Bonded grid electron gun for 95 GHz extended interaction amplifier (EIA) 4—36222
Grant, T.J. *see* Treseder, R.C. 4—36182
Grant, W.N. *see* Preckshot, N.E. 4—30765, 4—36830
Grant, W.T., Attwood, R. Autonomous multisource power systems for telecommunications 4—56891
Grantham, C. Electrical equipment for hazardous atmospheres 4—35238
Granveaud, M. *see* Wardrip, C. 4—39331
Granzer, F. *see* Pischel, B. 4—49091
Grashchenkov, N.F., Il'yushenko, V.N., Kolesov, I.A., Kologrivov, V.A., Rubtsova, L.E., Rodionov, E.N., Sudeiko, G.I., Torgashev, A.S., Yakushevich, G.N. Multiple-octave superhigh-frequency transistor amplifiers with electronic gain control 4—51000
Grassani, E. Precautions applicable to access to medium voltage control and distribution boards while under voltage 4—40794
Grassani, E. New differential switchgear sensitive to unidirectional pulsating currents 4—45557
Grassano, U.M. *see* Meucci, M. 4—59485
Grasse, W., Becker, M. Central Receiver System (CRS) in the Small Solar Power Systems Project (SSPS) of the International Energy Agency (IEA) 4—62460
Grassi, A. *see* Longoni, A. 4—33169
Grassl, H., Schlussel, P. Differential absorption LIDAR in space for temperature and humidity profiles in the atmosphere 4—61936
Grasso, L.J., Gruodis, A.J. High speed emitter coupled logic counter 4—35759
Grasyuk, A.Z. *see* Akhrarov, M. 4—37311
Gratecap, D. *see* Gourzerh, J. 4—30975
Grathwohl, C. Magnetic resonance tomography 4—61762
Gratkowski, S. *see* Sikora, R. 4—34666
Grattan, D. This moment in time [educational broadcasting] 4—45856
Gratze, S.C. *see* Willats, T.F. 4—52726
Gratzfeld, P. *see* Bendien, J.C. 4—57410
Grau, M. Using solar energy to charge batteries 4—57173
Grau, W. Trends in the magnetic recording technique for Audio and video signals 4—47192
Graubner, U. *see* Schalk, M. 4—56771
Grauel, C., Pfannschmidt, H. In the 900 MHz band: from cell to cell. New radio telephone explained by example 4—38483
Graupe, D., Kohn, K.H., Basseas, S., Naccarato, E. EMG-controlled electrical stimulation of paraplegics 4—56147
Gravel, R. *see* Nelson, A. 4—59206

Graves, B. The selection and application of NEMA frame motors for use with adjustable frequency drives 4—62737
Graves, B.L. *see* Badami, D.A. 4—36715
Graves, J. *see* Fleck, G.W. 4—39870
Graves, J. *see* Lepisto, J.W. 4—34771
Gravesteijn, D.J., Steenbergen, C., van der Veen, J. Single wavelength optical recording in pure, solvent coated infrared dye layers 4—52531
Graw, R. *see* Jurke, M. 4—45110
Gray, A. Low-cast mains time-delay switch 4—35988
Gray, A.L. Microwave remote sensing of sea ice 4—39741
Gray, C.B. Air gap power flow and torque development in electrical machines—can we teach the fundamentals? 4—45445
Gray, F. *see* Garth, E. 4—40861
Gray, F.G. *see* Kumar, G.A. 4—59948
Gray, J.L. *see* Schwartz, R.J. 4—50085
Gray, J.P. Silicon compilers [history and analogy with program compilers] 4—46305
Gray, J.W., O'Conner, W.T., Burrier, R.A., Claus, R.O. Radiation pattern model for partially electroded piezoelectric transducers with ring electrodes 4—52362
Gray, J.W. *see* Burrier, R.A. 4—56359
Gray, K.S. *see* Doerre, G.W. 4—46463
Gray, K.W., Darby, B.J. Future requirements for VLSI in the military field 4—46517
Gray, L.H., Haas, P.M., Manning, J.J., Lowry, J.C. Control room operator performance research 4—62313
Gray, P.E. The role of the university in global technological change 4—57763
Gray, P.R. *see* Ahuja, B.K. 4—29893, 4—54554, 4—60551
Gray, P.R. *see* Lee, H.-S. 4—51340
Gray, P.R. *see* Li, P.W. 4—51339
Gray, P.V. *see* Baliga, B.J. 4—47010, 4—58910
Gray, P.V. *see* Chang, M.F. 4—36619
Gray, P.V. *see* Love, R.P. 4—47029
Gray, P.W., Williams, J.G. The scanning of SSTR by a sampling method 4—55906
Gray, R.K., Lechaton, J.S., MacPherson, C.C. Reactive sputter etching process for forming deep isolation trenches with vertical sidewalls 4—52014
Gray, R.M. Vector quantization 4—43097
Gray, R.M., Saadat, F. Block source coding for asymptotically mean stationary source 4—37862
Gray, R.M. *see* Sabin, M.J. 4—47798
Gray, R.M. *see* Tao, B.P.M. 4—53451
Gray, R.M. *see* Tsao, C. 4—53530
Gray, R.T., Hunt, B.R. Multispectral data compression using staggered detector arrays 4—53816
Grayer, G. *see* Astbury, A. 4—33756
Grayson, L.P., Biedenbach, J.M. *(editor)* Proceedings of the 1983 Frontiers in Education Conference 4—35139
Graziani, A. *see* di Tria, P. 4—32354
Graziani, A. *see* diTria, P. 4—32533
Grcar, B. *see* Dolinar, D. 4—34090
Grea, J. *see* Escudie, B. 4—53766
Greason, W.D., Castle, G.S.P. The effects of electrostatic discharge on microelectronic devices—a review 4—46733
Greatbatch, W. Design and development changes in pacemakers 4—49317
Greatbatch, W. Implantable power-sources: a review 4—61823
Greaves, C., Thomas, M.A., Turner, M. Structural and electrochemical characteristics of plastic (PTFE) bonded nickel hydroxide electrodes [secondary cells] 4—40381
Greaves, D.J. Automatic motor control for disk drive 4—37010
Greb, F.W. *see* Lewis, F.M. 4—56838
Grebe, D. Realizing high-rate systems: a technology study reduced to practice for LANDSAT-D 4—48781
Grebe, K.R., Palmer, M.J., Yeh, J.T. Magnetron-enhanced reactive ion etching 4—30532
Grebe, K.R. *see* Arnett, P.C. 4—52205
Grebe, K.R. *see* Bickford, H.R. 4—46745
Grebe, K.R. *see* de Hodgins, O.C. 4—47088
Grebe, K.R. *see* Flint, E.B. 4—52502
Grebene, A.B. The operational amplifier in custom LSI design—a tutorial study 4—58188
Grebenikov, V.V. *see* Afonin, A.A. 4—57075
Grebennik, V.S., Brodskii, B.R., Monina, E.F. An analysis of techniques for optimizing the system of nondestructive testing of metals on power plant equipment 4—35288
Grebennik, V.S., Taits, M.Z. Ultrasound inspection of steam pipe bends 4—34014
Grebennik, V.S. *see* Ermolov, I.N. 4—62020
Grebennik, V.S. *see* Lantukh, V.M. 4—35560
Grechanichenko, Yu.V. *see* Burlaka, V.V. 4—40116
Grechikhin, A.I. *see* Gavrilin, A.T. 4—53219
Grechushkin, K.V. *see* Stal'makhov, V.S. 4—31039
Greebe, G.A.A.J., van de Polder, L.J., Tan, S.L. HiFi television—its limitations and possibilities 4—32941
Greeley, H.P. Real-time detection of precise EMG onset for synchronisation of an EEG averager 4—33838
Greeley, R.H. *see* Nollet, A.R. 4—56846
Green, A.E., Naghdi, P.M. Electromagnetic effects in an elastic circular cylindrical waveguide 4—53261
Green, A.H., Jr., Roeder, R.S., Schweiker, K.S. Radar backscatter characteristics of snow covered terrain at 94 GHz 4—54886
Green, B. The delay line in digital circuits 4—41433
Green, B.P. Electronic counting scales—facts and fantasies 4—39336
Green, C. *see* Kuether, R.C. 4—49757
Green, C.N. *see* Smith, E.G. 4—49390
Green, C.T., Jones, B.K. 1/f noise in bipolar transistors 4—30609
Green, D. *see* Hess, G. 4—60719
Green, D.C., Meyerson, B.S., Plecenik, R.M., Reimer, J.A., Scott, B.A. Amorphous/polycrystalline diamond film deposition 4—50814
Green, D.C., Meyerson, B.S., Scott, B.A. CVD growth of amorphous hydrogenated silicon solar cells 4—34880
Green, D.G., Smith, D.G. Teaching design in a simulated work environment 4—57734
Green, D.G. *see* Pearson, J.T. 4—60438
Green, D.G. *see* Stovall, C. 4—62555
Green, D.L. *see* Phile, W.G. 4—43542, 4—48623
Green, D.M. *see* Gourley, K.D. 4—36157
Green, D.N. Representing periodic waveforms with nonorthogonal basis functions 4—46070
Green, D.N. Synthesis of systems with periodic solutions satisfying $\mathcal{U}(x)=0$ 4—46283
Green, D.R., Berrang, P.G., Erickson, P.E. A microprocessor-controlled in situ water-sampler 4—39736
Green, E.R. *see* Toulouse, J. 4—36934
Green, F., Neilson, D., Szymanski, J. Bound electron states of Coulombic impurities and their effect on mobility in inversion layers 4—51904
Green, H.E., Mulhall, P.S. Scattering by the feed support spars in a radio telescope 4—60944
Green, H.E. *see* Cashman, J.D. 4—53252
Green, L.S. *see* Lux, R.L. 4—49205
Green, M. *see* Kang, K. 4—42325
Green, M. *see* Russell, D.M. 4—31532
Green, M.A. Limits on the open-circuit voltage and efficiency of silicon solar cells imposed by intrinsic Auger processes 4—45648
Green, M.A. Solar cells: future directions 4—50079
Green, M.A., Blakers, A.W., Shi, J., Keller, E.M., Wenham, S.R. High-efficiency silicon solar cells 4—45649
Green, M.A., Blakers, A.W., Shi, J., Keller, E.M., Wenham, S.R. 19.1% efficient silicon solar cell 4—50044
Green, M.A. *see* Blakers, A.W. 4—57349
Green, M.L., Levy, R.A., Nuzzo, R.G., Coleman, E. Aluminum films prepared by metal-organic low pressure chemical vapor deposition 4—41094
Green, P.E., Jr. Computer communications: milestones and prophecies 4—54373
Green, P.F., Durrani, S.A., Walker, J. A passive environmental neutron spectrometer using SSNTD 4—55984
Green, P.F., Taylor, S.P. Weather radar simulator 4—48514
Green, P.F. *see* Durrani, S.A. 4—55860
Green, P.F. *see* Hashemi-Nezhad, S.R. 4—55873
Green, P.F. *see* Ramli, A.G. 4—55910
Green, P.F. *see* Watt, S. 4—55933
Green, R. *see* Birch, A. 4—43628
Green, R. *see* Lucke, T. 4—44015
Green, R.L., Pavio, J.S. Current thick film golds—the bondability issue 4—58656
Green, T.S. *see* Holmes, A.J.T. 4—44668, 4—61606
Green, V. Fibre-optic is ready for industrial users 4—59218
Green, W.J. Developments in additive circuitry using polymer thick film materials 4—51648
Green, W.J. *see* Schueler, S.D. 4—41679
Green, W.L., Campo, J.J., Parker, J.E., Miller, J.A., Miles, J.B. Wave energy conversion with an oscillating water column on a fixed offshore platform 4—62443
Greenberg, A.G., Winograd, S. A lower bound on the time needed to resolve conflicts deterministically in multiple access channels 4—48263
Greenberg, E.L., Malcho, R.E., Stoll, P.J., Theis, D.J. Spacecraft memory technologies: state-of-the-art survey 4—49353
Greenberg, H.J., Lundgren, J.R., Maybee, J.S. Inverting graphs of rectangular matrices 4—50651
Greenberg, J., Weber, S. Balancedness, nonemptiness of the core and the existence of a majority equilibrium 4—46095
Greenberg, R. *see* Danen, J.A. 4—41317
Greene, B., Jr. How to build a plywood tower [for an antenna] 4—59890
Greene, E.R. *see* Raizada, V. 4—55771
Greene, J.A. Considerations for designing or specifying optical components for electro-optical instrumentation in industrial applications 4—47320
Greene, J.E. Epitaxial crystal growth by sputter deposition: applications to semiconductors. II 4—29473
Greene, J.E. A review of the epitaxial growth of compound and alloy semiconductors by sputter deposition 4—46220
Greene, J.E. *see* Barnett, S.A. 4—41958
Greene, J.W. *see* El Gamal, A. 4—47785
Greene, K. *see* Meth, M.M. 4—46035
Greene, K.H. *see* Paul, D.K. 4—54815
Greene, M. How technical faculty can help to increase their students writing skills 4—35188
Greene, M. Automated trading: new markets for videotex 4—54253
Greene, P.D. *see* Hayes, J.R. 4—30344
Greene, R.J. *see* Ranganath, H.S. 4—60272
Greeneich, E.W., Reuss, R.H. Vertical n-p-n bipolar transistors fabricated on buried oxide SOI 4—30606
Greenfield, R.G. The Larne-Portpatrick submarine cable system: the use of recovered equipment 4—43636
Greenfield, S.R. Fax information please 4—32287
Greenhalgh, G., Jeffs, E. A year of consolidation 4—45228
Greenhalgh, P. *see* Davies, P.A. 4—53007
Greenhalgh, S.J. A flexible 12 GHz TVRO terminal 4—48456
Greenhouse, L.R. Prospect and retrospect: what's changed in the electronic services business 4—54222
Greenleaf, B. Feds pilot Canadian OA systems 4—47947
Greenlee, D.H., Kanda, M., Chang, D.C. Characteristics of iris-fed millimeterwave rectangular microstrip patch antennas 4—37719
Greenlief, G.L. *see* Aiken, L.E. 4—40856
Greenman, J.V. Introduction to optimisation theory and the calculus of variations 4—40978
Greenop, D., Campbell, R. COST 201—a procedure for the optimisation of telecommunication networks 4—43490
Greenstein, L.J. *see* Amitay, N. 4—31667, 4—54624
Greenwald, B.C. Rate base selection and the structure of regulation 4—50396
Greenwell, P. Electronics and power. The joining of an uneasy partnership 4—46668
Greenwell, R.A. Comparison of key parameters in the measurement of radiation resistant optical fibres 4—42339
Greenwell, W.M. *see* Hull, D.G. 4—49363
Greenwood, C.J. *see* Saul, P.H. 4—59037
Greenwood, D. Sorting out component test handlers 4—35323
Greenwood, D. A special report: Disk-drive testers 4—37012
Greenwood, D.P. Adaptive compensation for atmospheric turbulence effects on optical propagation 4—31678
Greenwood, J.C. Etched silicon vibrating sensor 4—55413
Greer, J. The new generation of microcomputers? With Intel's 80186 microprocessor 4—35834
Greer, J.A., Seidl, M. Sputtering yields of negative hydrogen ions 4—44682
Greer, R. System X—a world leader in digital telecommunication switching systems 4—54546
Grefe, G. *see* Pivec, A. 4—40518
Grefenstette, J.J. *see* Fitzpatrick, J.M. 4—60273
Greggi, J., Jr. *see* Farrow, R.F.C. 4—46223
Greggi, J., Jr. *see* Wood, S. 4—50776
Gregoire, Gh. *see* Deutsch, J. 4—49088
Gregoire, M. *see* Delisle, G.Y. 4—61522
Gregor, J. Interpolation with positive real functions of several variables 4—35425
Gregor, J. *see* Senk, J. 4—50009
Gregor, L.V. Dry lithographic process employing microspheres 4—30223
Gregor, L.V., Wise, J.G. Three-layer electron-beam resist with high sensitivity and contrast 4—51949
Gregor, R.J. *see* Sherif, M.H. 4—44751
Gregorian, R., Fotouhi, B., Engh, L. An integrated single-sideband modulator/demodulator for an FDM system 4—54503
Gregorio, C.Di *see* Di Gregorio, C.
Gregorio, J.A., Drake, J.M. Comparative study of the effect of slew-induced distortion on single-amplifier biquadratic stages 4—41470
Gregorio, J.A. *see* Harbour, M.G. 4—50904
Gregoris, G. *see* Mercy, J.M. 4—51843
Gregoris, G. *see* Portal, J.C. 4—51848
Gregorwich, W., Musal, H.M., Jr., Naar, C. Radiometric investigation of millimeter wave emissions of surface foam 4—39724
Gregorwich, W. *see* Gagliano, J.A. 4—39711
Gregory, C. *see* Anderson, L. 4—55989
Gregory, D.N., Barnett, R.J. Power required for direct broadcasting from satellites 4—38822
Gregory, G. Japan's telecom industry rushes into the information age 4—47956
Gregory, G. VANs in Japan: the birth of an industry 4—47993
Gregory, L. Modem matters 4—38359
Gregory, L. Monitors 4—44431
Gregory, N.L. *see* Evans, A.L. 4—61824
Gregory, R.A. Specification and assessment of high integrity software-based interlock systems in nuclear power stations 4—45247
Gregory, R.B. *see* Wilson, S.R. 4—51750, 4—58715

Gregotre, G. *see* Lopez-Parra, E. 4—34131
Greguss, P. Low-level laser therapy—reality or myth? 4—39593
Greig, J.R. *see* Dwyer, T.J. 4—31753
Greiling, P.T., Lee, R.E., Beaubien, R.S., Bryan, R.P., Waldner, M. Submicrometer GaAs digital ICs 4—29821
Greiner, E. Electrical equipment for two-car diesel trains for ZG Ljubljana 4—40557
Greiner, G., Lange, W.R., Hackl, J., Rick, R., Vierbacher, H. Transceiver family HF 850 for shortwave 4—60650
Greiner, J. *see* Edwards, E. 4—51109
Greiner, J. *see* Schmitz, N. 4—46417
Greiner, M.E., Gibbons, J.F. Diffusion of silicon in gallium arsenide using rapid thermal processing: experiment and model 4—30504
Greisukh, A.M., Tsyrlin, L.E. Theory of n^+-$\nu(p^+$-$\pi)$ contacts with compensated semiconductors 4—58788
Grejcz, B. Rural telecommunication in the world and in Poland 4—54070
Grekhov, I.V., Gorbatyuk, A.V., Kostina, L.S., Korotkov, S.V., Yakovchuk, N.S. The reversibly switched dynistor: a high-power switch with microsecond switching times 4—36569
Grekhov, I.V., Otblesk, A.E. Recombination through deep centers in electron-hole scattering in semiconductors 4—58714
Grekhov, I.V., Zemskii, V.I., Meshkovskii, I.K. Sensitization of selective photodetectors by means of solid-state dye solutions 4—39184
Grekhov, I.V. *see* Allakhverdiev, A.M. 4—50067
Grekhov, I.V. *see* Bagraev, N.T. 4—58011
Grekhov, I.V. *see* Gorbatyuk, A.V. 4—58941
Grekov, F.F., Demidov, D.M., Zykov, Z.M. Doping of pyrolytic layers of aluminum nitride with chloride and oxygen 4—30378
Grekova, A.G. *see* Lushchaev, G.A. 4—33311
Grelaud, B. *see* Dudelzak, B. 4—55821
Gremaud, C.-H. Digital two-wire duplex transmission in the local network 4—32203
Grembowski, T. *see* Hatch, C. 4—58533
Gremyakov, A.A. *see* Al'vares, D.Kh. 4—56446
Gremyakov, A.A. *see* Venikov, V.A. 4—40362, 4—45414
Grendel, M. *see* Hrobar, M. 4—36351
Greneich, J.S. *see* Livesay, W.R. 4—36374
Greneker, G. The vehicle radar detector controversy: is there a technological solution? 4—32862
Grenier, J., Popot, M. The TELECOM 1 satellite system 4—60792
Grenier, Y. Time-frequency analysis using time-dependent ARMA models 4—60142
Grenier, Y., Aboutajdine, D. Comparing time-frequency representations of signals with spectral jumps 4—37915
Grenishin, A.S. *see* Bobrov, B.D. 4—31323
Gresham, D.W. *see* McGranaghan, M.F. 4—62716
Greshishev, Yu.M., Gudnov, A.G., Martsinkiavichyus, A.K., Martsinkiavichyus, I.K., Poshyunas, R.L. Some features of using the K1118 PA1 DAC IC for TV image reconstruction 4—48593
Gresser, J., Ambs, P. Optical data processor using computer generated hologram for high energy physics experiments 4—60162
Gressett, J.D. *see* Wilson, S.R. 4—58715
Gressus, C.Le *see* Le Gressus, C.
Gretz, J. *see* Borgese, D. 4—62461
Grevstad, E. North of ASCII: Canada's videotex standard 4—60447
Greynolds, A.W. *see* Todd, M.N. 4—39707
Grezes, C. *see* Texier, A. 4—38251
Grianti, F., Vetrano, F. Automatic artificial respirator with programmable flow curves 4—56143
Grib, O.G. *see* Mints, M.Ya. 4—45096
Gribble, D. Electric vehicles advance in France 4—57445
Gribkov, A.M. *see* Akhmerov, N.A. 4—49959
Gribok, I.G. *see* Bondar, A.P. 4—33361
Grider, K.V. Seeker systems simulation, present capability and future technology 4—56239
Gridin, V.A., Mavritskii, O.B., Petrovskii, A.N. Second-harmonic generation by picosecond laser pulses in a diffused waveguide with vector phase matching 4—59611
Grieco, D.M., Ciany, C.N. Spread-spectrum CDMA synchronization for a voice conference modem 4—38374
Grieco, D.M. *see* Rappaport, S.S. 4—54626
Griem, H.T. *see* Capani, P.M. 4—42049
Gries, D. *see* Schneider, F.B. 4—43747
Griess, R.K. Voltage regulator with pedestal voltage adjustment for voltage drop across paralleling diodes 4—29661
Grif, G.I. *see* Geller, V.M. 4—37282
Griffin, C.R., Sims, M.L. GPS geodetic receiver system testing 4—38750
Griffin, D.W., Davias, N. The effect of metal-framed spectacles on microwave radiation hazard near the eyes 4—61836
Griffin, D.W., Deadrick, D.S., Lim, J.S. Speech synthesis from short-time Fourier transform magnitude and its application to speech processing 4—53498
Griffin, D.W., Derges, S., Hesslewood, S. Paediatric dose display 4—49332
Griffin, D.W., Lim, J.S. Signal estimation from modified short-time Fourier transform 4—43266
Griffin, J. Squirrel-cage eddy-current machines control loading 4—62521
Griffin, J. *see* Clearwaters, W. 4—61954
Griffin, J.A., Spencer, M.G., Harris, G.L., Comas, J. Formation of planar n^+ pockets in GaAs for mixer diode fabrication 4—51943
Griffin, J.M. *see* Wallington, J.R. 4—60854
Griffin, W.L., Hendrix, W.A. Microwave heating and drying in textile processing—present and future 4—57648
Griffin, W.R. *see* Heller, L.G. 4—51167
Griffing, B.F., Lorensen, W.E. An aerial image model with applications to contrast-enhanced lithography 4—30720
Griffing, B.F., Lorensen, W.E. Two-dimensional modeling of contrast-enhanced lithography 4—58838
Griffing, B.F., West, P.R., Balch, E.W. Application of contrast-enhanced lithography to 1:1 projection printing 4—58837
Griffing, B.F. *see* West, P.R. 4—36667
Griffis, W.J. Electrical personnel life safety 4—50465
Griffith, D.C. A new medium power UPS using transistor conversion 4—50969
Griffith, G.R. *see* Owen, E.L. 4—57645
Griffith, L.S.C. *see* Mower, M.M. 4—44786
Griffith, R. *see* Espinosa, G. 4—55935
Griffith, R.V., McMahon, T.A., Espinosa, G. A commercial bacterial colony counter for semiautomatic track counting 4—55901
Griffith, R.V. *see* Tommasino, L. 4—55926
Griffiths, D. The board level approach to distributed control 4—47121
Griffiths, G.J., Esdaile, R.J. Analysis of titanium diffused planar optical waveguides in lithium niobate 4—31129
Griffiths, H.D., Carter, S.M. Provision of moving target indication in an independent bistatic radar receiver 4—60906
Griffiths, J. Ars gratia pecuniae [cable TV] 4—61073
Griffiths, J.W.R. *see* Duck, G.M. 4—44177
Griffiths, L.J. Time varying filtering and spectrum estimation 4—37970
Griffiths, L.J. *see* Amin, M.G. 4—53731
Griffiths, R.J.M. *see* Wright, P.J. 4—29491
Griffus, M. *see* Hardee, K. 4—51308
Grift, R.E.J.van de *see* van de Grift, R.E.J.
Grigg, C.H., Tsai, D.T., Smith, W.D. Operating risk evaluation for bulk power systems 4—34102
Grigg, M.E. *see* Hermann, J.A. 4—31485
Grigis, A.A., Makram, E.B. Detection of power system frequency deviation using a two-state linear optimal estimator 4—49559
Grigo'ev, B.I., Danil'chenko, V.G., Korol'kov, V.I. Lifetime of nonequilibrium carriers in lightly doped epitaxial GaAs films 4—36316
Grigoli, G. *see* Barbero, V. 4—34576
Grigor'ev, A.S. Analytical conditions for minimizing the set power of symmetrizing devices 4—45104
Grigor'ev, A.S. *see* Kuznetsov, V.G. 4—45103
Grigor'ev, G.N. *see* Zudin, O.S. 4—48524
Grigor'ev, M.I., Men'shikov, V.M., Rovenskii, V.B. Algorithm for instantaneous slip metering of an induction motor in terms of its current parameters 4—49878
Grigor'ev, N.D. Simplified calculation of isolated grounds 4—39949
Grigor'ev, Yu.S. *see* Gel'man, M.V. 4—41199
Grig'oreva, V.A., Sagutdinov, R.Sh., Sukmanov, V.A. The possibility of remote detection of breaks in networks with insulated neutrals 4—56698
Grigoriadou-Kouki, M. *see* Samarakou, M.T. 4—34929
Grigoriu, C. *see* Dragulinescu, D. 4—42754
Grigoriu, V. Reducing the construction volume of 100 kV indoor posts by adapting and using unbroachable equipment [switching substations] 4—49994
Grigorov, V.A. *see* Martynovich, E.F. 4—42597
Grigorovich, E.I. *see* Aleksandrov, I.N. 4—40232
Grigoryan, M.O., Pozin, M.B. Phase relationships in controlled stepwise sinusoidal voltage 4—45511
Grigor'yants, A.G. *see* Nikolaev, G.A. 4—59654
Grigor'yants, V.V., Smirnov, V.I. Stimulated Brillouin scattering in fiber-optic waveguides 4—42387
Grigor'yev, B.I., Rudskiy, V.A., Togatov, V.V. Establishment of steady-state condition during turn-on of a high-power high-voltage transistor 4—30607
Grigor'yev, V.G., Kon'kov, V.A. Prediction of the mean signal level in a long-distance tropospheric radio-communications channel 4—37582
Grigor'yev, V.P. Induced radiation of a magnetized high-intensity electron beam under conditions of cyclotron resonance of the pumping wave 4—37540
Grigsby, L.L. *see* Horton, J.S. 4—56555
Grigson, P., Harris, D. Z80 controller computer 4—29908
Grigulis, Yu.K., Dagilis, M.K., Porin'sh, V.M. Surface resistance meter for diffused structures of silicon power devices 4—61495
Grigulis, Yu.K., Dzilyums, K.A., Porin'sh, V.M. Surface resistance eddy-current meter for heavily-doped diffusion layers of silicon power devices 4—61496
Grigulis, Yu.K., Porin'sh, V.M. The use of impedance relationships for analysis of semiconductor layer properties in a partially filled waveguide 4—53262
Grigulis, Yu.K. *see* Gavrilin, V.V. 4—33466
Grika, V.M. *see* Aksenov, E.T. 4—32880
Grilec, B. *see* Peterlin, P. 4—49503
Grilli, A. *see* D'Amico, A. 4—39180
Grilli, E. *see* Tarroni, F. 4—39171, 4—39172
Grim, J. On structural approximating multivariate discrete probability distributions 4—29347
Grimal'sk, O.V. Calculation of the electrical field of electrical apparatus in the presence of surface conductivity 4—56658
Grimbergen, C.A. *see* Hamstra, G.H. 4—39568
Grimbergen, M.N. *see* LoVecchio, P. 4—36324
Grimblatov, V.M. *see* Bekshaev, A.Ya. 4—42666
Grimes, A.S. *see* Owen, E.L. 4—49960
Grimes, P. *see* Bellows, R.J. 4—40423
Grimm, D. *see* Himpsel, F.J. 4—56047
Grimm, J.D., Eggert, J.A., Karcher, G.W. Distributed signal processing using data flow techniques 4—38024
Grimm, L. *see* Stumper, U. 4—42295
Grimm, M.A., Lee, K., Neureuther, A.R. SIMPL-1 (SIMulated Profiles from the Layout-version 1) 4—36743
Grimm, R.H. *see* Smith, E.G. 4—49390
Grimsdale, R.L., Lok, Y.C., Price, S.M., Westmore, R., Woollons, D.J. Computer generation of images for flight simulators 4—33925
Grimsditch, T. Computers and communications standards—ISO or IBM? 4—46053
Grimsrud, D.T. *see* Sherman, M.H. 4—40632
Grimwood, M.R. Low-cost information retrieval with private teletext 4—32327
Grinberg, I.S. *see* Nuriev, F.N. 4—50861
Grinberg, J. *see* Efron, U. 4—42423
Grinchenko, V.T., Lyakhovich, T.K., Flerova, G.A., Shkirov, V.S. Effect of substrate parameters on vacuum arc-plasma deposition of a Ni-Cu alloy on a piezoceramic in the lead zirconate titanate system 4—41086
Grinchenkov, V.P. *see* Nikitenko, A.G. 4—58590
Grindel, D.R. *see* Call, M.G. 4—35698, 4—41256
Grindel, M.W. Overview of specifications for laser optical components 4—42676
Grinenko, E.N., Zotov, G.I. The Tsvet-2M television analyzer 4—48595
Grinenko, V.I. *see* Belousov, A.N. 4—45800
Grinets, V.D. *see* Demin, E.A. 4—33274
Grinev, A.Yu., Kompanets, I.N., Temchenko, V.S., Vasil'yev, A.A., Yezhov, V.A. Antenna arrays that filter out interfering spatial radio signals by coherent optical methods using controllable liquid-crystal transparencies 4—31782
Grinev, A.Yu., Temchenko, V.S., Voronin, E.N. Shaping of the frequency-angle spectrum of the signals of linear antenna arrays by coherent optical processors using spatial light modulators with multichannel optical addressing 4—42983
Grinev, A.Yu., Voronin, E.N., Temchenko, V.S. A coherent-optical processor of two-dimensional antenna arrays with a complex signal-recording format 4—42991
Grineva, K.I. *see* Gostyukhin, V.L. 4—42916
Grinevich, F.B., Novik, A.I., Labuzov, A.E. Circuits of electronic inclinometers with capacitance hydrostatic sensors and bridge measuring circuits 4—61311
Grinevich, F.V., Zatserkivnyi, Z.A., Levitskii, A.S., Surdu, M.N. Analysis of the error of the 'Emkosin' capacitance gauge of angular displacements 4—55443
Grinolds, H.R. *see* Hsu, F. 4—36640
Grinolds, H.R. *see* Hsu, F.-C. 4—30638
Grinolds, H.R. *see* Jolly, R.D. 4—46457
Grinolds, H.R. *see* Wong, S.S. 4—30801
Grinshtein, B.I., Zhmurov, V.P., Bezuglyi, S.L., Sidorskii, M.A. Analysis of electromagnetic processes in a high voltage thyristor converter during current commutation in valves 4—40314
Grinshtein, B.I. *see* Shwarts, Z.L. 4—53160
Grisanti, G. *see* Venuti, G.C. 4—55897, 4—55898
Grise, W.R. *see* Meeker, T.R. 4—52406
Grisham, L.R., Post, D.E., Mikkelsen, D.R. Applications and development requirements for multi-MeV light atom beams 4—61619
Grisham, L.R. *see* Hershcovitch, A.I. 4—61612
Grishenkov, V.N. *see* Shcherbakov, V.T. 4—35540
Grishin, V.I. Signal fluctuations in a dematron 4—51704
Gristenko, N.I. *see* Alfeev, V.N. 4—37060
Griswold, N.C. *see* Halverson, D.R. 4—53902
Grit, R. Temperature measurements using the Beeb (32K) 4—55189
Gritsaenko, I.A. *see* Borovikov, A.A. 4—39474
Gritsai, B.Ya. *see* Abalduev, B.V. 4—37237
Gritsenko, A.V., Savchenko, E.V., Talover'ya, V.L. Monitoring the condition of transformer equipment in power pools of the Ukraine 4—57133

Gritton, C.W.K., Lin, D.W. Echo cancellation algorithms 4—42881
Gritton, C.W.K. *see* Tao, Y.G. 4—54466
Grivitskas, V., Willander, M., Tellefsen, J.A. Picosecond photoconductivity measurements of mobility and lifetime in silicon-on-sapphire films 4—42457
Grivitskas, V., Willander, M., Vaitkus, J. The role of intercarrier scattering in excited silicon 4—46801
Grize, Y.-L. *see* Fine, T.L. 4—40933
Grnage, T. *see* Iskander, M.F. 4—44725
Grob, S.R. A performance analysis of the local area network COSY 4—54321
Grobert, K.H. *see* Toolan, W.K. 4—49398
Grobin, A.W., Jr. *see* Antonetti, V.W. 4—30189
Grobman, A.Ye. A method of eliminating distortion in wideband amplifiers with deep negative feedback 4—35666
Grobman, D.M. Fault localization for digital circuits 4—41264
Grobman, D.M. Fault localization in a ring of macroelectronic circuit components 4—46398
Grobman, W. *see* van Steenbergen, A. 4—55783
Grobman, W.D. Design parameters for a small storage ring optimized as an X-ray lithography source 4—47065
Grobman, W.D. *see* Silverman, J.P. 4—36377
Grobmyer, W.P., Sr., Ege, H.D., Jr., Hancock, F. Water supply pilot testing: key to design optimization 4—49782
Grochowski, J., Kowalczyk, P., Krasinski, J., Radzewicz, C. High repetition rate atmospheric pressure N_2 laser 4—31319
Grochowski, L., Lit, J.W.Y. Analytic conditions of physical realization of functional waveguide devices 4—47292
Grochowski, L., Lit, J.W.Y., Krolikowski, W. Polarization behaviour of fibre waveguide couplers 4—47270
Grodnev, I.I., Lavrov, V.M. Development of fibre optical data transmission systems 4—38606
Groeger, J.H. Computerized image analysis of dielectric breakdown phenomena in polyethylene 4—59062
Groen, P.P.N.de *see* de Groen, P.P.N.
Groenen, E.J.J., de Groot, M.S., de Ruiter, R., de Wit, N. Triton X-100 micelles in the ferrous/thionine photogalvanic cell 4—57304
Groeseneken, G., Maes, H.E., Beltran, N., De Keersmaecker, R.F. The energy distribution of Si/SiO_2 interface states measured in small size MOSFETs using the charge pumping technique 4—30654
Grof, T. *see* Arato, P. 4—42228
Grof, V. *see* Kott, J. 4—56727
Groff, J.S. *see* Falk, G. 4—32183
Grogan, J.K. *see* Bosch, M.A. 4—52113
Grohmann, K., Hechtfischer, D. Self-calibrating cryo current comparators for AC applications 4—55617
Grohs, B. *see* Barbian, O.A. 4—35519
Grokhol'skii, Ya.M., Davidenko, A.A. Effect of quantisation noise on edge distortions in telegraphic despatches in telephone systems with pulse-code modulation 4—48005
Groleau, R. *see* Currie, J. 4—36493
Groleau, R. *see* Sacher, E. 4—35506
Gromov, A.M. *see* Efimochkin, G.I. 4—40094
Gromov, G.D. *see* Blinov, N.N. 4—56083
Gromov, G.G., Stolov, L.I., Filatov, M.N. Hardware and software means of image transmission in a computer network 4—32475
Gromov, I.S. *see* Igumnov, D.V. 4—30751
Gromov, Yu.V., Kapustin, V.I. Radiography using photographic paper with different thickness of the luminophore of the fluorescent screen 4—41129
Gromova, S.N. *see* Vinokurova, L.N. 4—30449
Gronak, M. Working principles of adaptive echo compensation in data transmission 4—42884
Gronau, M., Schuffler, D., Sprenger, S. The magnetic properties of amorphous SmCo-films 4—30950
Grondalski, B. *see* Beck, J. 4—51304
Grondalski, D. *see* Beck, J. 4—51304
Grondin, R.O., Porod, W., Ferry, D.K. Delay time and signal propagation in large-scale integrated circuits 4—41300
Groner, G.F. The telephone—the ultimate terminal 4—48309
Groningen, W.van *see* van Groningen, W.
Gronninger, G., Penzkofer, A. Determination of energy and duration of picosecond light pulses by bleaching of dyes 4—37451
Gronostaj, R. *see* Sowa, J. 4—54127
Gronsky, R. *see* Mazur, J.H. 4—51883
Gronsky, R. *see* Sands, T. 4—36426, 4—51815
Groom, D.E. Silicon photodiode detection of bismuth germanate scintillation light 4—33660
Groot, A.W.De *see* De Groot, A.W.
Groot, M.S.de *see* de Groot, M.S.
Gros, N. *see* Malezic, M. 4—56197
Grose, D.A. *see* Brown, W.W., Jr. 4—30562
Grosh, D.L. Comments on the delta-star problem 4—50879
Groshikov, E.N. *see* Sharov, A.N. 4—37935
Grosjean, C.C. The orthogonality property of the Lommel polynomials and a twofold infinity of relations between Rayleigh's σ-sums 4—50708
Grosmann, M. *see* Gueguen, F. 4—61889
Grosmann, M. *see* Soares, O.D.D. 4—52648
Grosmann, M. *see* Soubari, E.H. 4—60163
Grosnick, D. *see* Bolton, R. 4—55816
Gross, C. Automatic computer assisted engineering of electronic circuits 4—50899
Gross, C. Plessey Company and Force Computers combine to produce VME computer boards 4—51279
Gross, C.A. A Model Advanced Electrical Power Engineering Curriculum 4—45878
Gross, C.A. *see* Imece, A.F. 4—57371
Gross, C.A. *see* Russell, D.W. 4—56895
Gross, C.A. *see* Thompson, L. 4—62598
Gross, D.P. *see* Darlington, H.T. 4—56459
Gross, E.E. *see* Sjoreen, T.P. 4—61686
Gross, F. Computerised process controlled pipe wall temperature determination of Benson boiler 4—56797
Gross, G., Modreker, H.-W., Palmowski, J. Optimization through planning and organization [nuclear plant servicing] 4—34407
Gross, J.M. *see* Chapman, T.C. 4—33764
Gross, J.S. Focal plane processor interface studies for large mosaic focal planes 4—61289
Gross, M. *see* Brand, G.F. 4—36205, 4—58693
Gross, R.R. Improve the performance of a pin diode attenuator 4—36035
Gross, S. Analytical modeling of battery cycle life [Ni-Cd batteries] 4—40390
Gross, S.J., Shott, J.D., Meindl, J.D. A digital radio command link for implantable biotelemetry applications 4—56187
Gross, T.R. *see* Rowen, C. 4—51305
Gross, W. The 'Quick-chip': a comprehensive system for fast prototyping of high speed custom analog ICs 4—59020
Gross, W., Hilkes, L. A modular construction for a control system [for audio and video transmission] 4—51682
Grossbach, R. *see* Lierke, E.G. 4—56375
Grossbard, N.J. Spectral analysis of stratospheric winds 4—38003
Grossblatt, R. The drawing board: bipolar supplies from a single 9-volt battery 4—41203
Grossblatt, R. Designer's notebook: extending the counting range of the 4017 [CMOS counter] 4—42169
Grossblatt, R. Frequency multiplication 4—58487
Grossblatt, R. How to repair PC boards 4—58610
Grossblatt, R. CMOS analog switches 4—59034
Grosse Peclum, M.-L. A communications model for the future—the Berlin pilot project for cable 4—55045
Grosser, H.-D., Koch, P.-J. Teleprinter Model 1000 S—where performance is the keynote 4—54140
Grossi, M.D. Spaceborne long vertical wire as a self-powered ULF/ELF radiator 4—61882
Grossi, M.D. *see* Weitzen, J.A. 4—48466
Grosskopf, R. *see* Aigner, M. 4—59843
Grosskopf, S. *see* Fare, R. 4—34046
Grossman, L.M. *see* Longzhou, Fu. 4—34319
Grossman, M.W., Johnson, S.G., Maya, J. Investigation of fluorescent lamps with altered mercury isotopic distributions 4—57509
Grossman, S. EE-PROMs open new application areas to the design engineer 4—35789
Grossman, S.B., Emmons, R.B. Performance analysis and size optimization of focal planes for point-source tracking algorithm applications 4—39071
Grossman, W.M., Churchill, T.L., Quimby, D.C., Slater, J.M., Adamski, J., Kennedy, R.C., Shoffstall, D.R. Demonstration of large electron-beam energy extraction by a tapered-wiggler free-electron laser 4—47367
Grossman, W.M., Quimby, D.C. Scaling of alignment tolerances for free-electron laser oscillators 4—47473
Grossmann, C., Vanselow, C. A superlinear convergence method with modified Lagrange functions 4—35407
Grossmann, I.E. *see* Papoulias, S.A. 4—40666
Grosso, P., Slezak, C. Laser writing sub-system for electro-photographic transfer printer 4—31526
Grossoni, M., Cimador, G. A selective supervision device for paralleling operating AC/DC and DC/DC converters 4—57194
Grossoni, M. *see* Poletti, F. 4—56531
Grot, R.A., Chang, Y.-M. The evaluation of infrared imaging systems used for building inspections 4—55247
Grote, J. Electrical fuses. I. Current limitation 4—57261
Groth, K. Microelectronics discussed. III. Afraid of electronics? 4—35349
Groth, R. *see* Jolly, R.D. 4—46457
Grothaus, G.E. *see* Williams, R.L. 4—55998
Grothaus, U. How a video recorder works. III. Signal processing of luminance and chrominance 4—61081
Grotjohn, T., Hoefflinger, B. A parametric short-channel MOS transistor model for subthreshold and strong inversion current 4—30629
Grotjohn, T., Hoefflinger, B. A parametric short-channel MOS transistor model for subthreshold and strong inversion current 4—36579
Grotowski, K. *see* Sosin, Z. 4—61690
Grotschel, M., Nemhauser, G.L. A polynomial algorithm for the max-cut problem on graphs without long odd cycles 4—35377
Grotstollen, H. Contribution of static converter fed drives on the peak short circuit current in a three phase mains 4—62735
Grotte, A.M., Levchenko, I.M., Dubrovina, O.F. Comparison of decoration properties of certain etchants in depth estimation of semiconductor layers by the spherical section method 4—58843
Grotte, A.M., Peresun'ko, S.P., Bondar', N.M. Nonuniformity of electrophysical properties of silicon substrates 4—36249
Grotte, J.H., Brooks, P.S. Measuring naval presence using Blotto games 4—29338
Grotz, G. Design considerations for a 300 kW 90 MHz amplifier 4—58685
Groumpos, P.P. Solar energy utilization in Greece through photovoltaic energy systems 4—34269
Groumpos, P.P., Whyte, W. On the subjective evaluation of the interference protection ratios' measurement for co-channel FM-TV signals 4—32912
Groumpos, P.P. *see* Abou-Houssein, M.S. 4—35062
Groumpos, P.P. *see* Abou-Hussein, M.S. 4—34926
Groumpos, P.P. *see* Karamerich, G.L. 4—40751
Grout, J.M. *see* Page, R.H. 4—40750
Grove, R.S., Sonu, C.J. Lagrangian coastal processes with application of remote sensing technology 4—56323
Grove-Palmer, C. The status of wave energy technology 4—34484
Grover, B. ISIS takes over 4—43626
Grover, G.A., Bharath-Kumar, K. Windows in the sky—flow control in SNA networks with satellite links 4—38306
Grover Brown, R., Hwang, P.Y.C. A Kalman filter approach to precision GPS geodesy 4—60939
Groves, C., Caux, M.-A., Pigeon, M. An automated system for CMOS layout rule generation and analysis 4—59045
Groves, C., Laws, L., Osterberg, P., Sims, J.R. A 250 MHz dynamic CMOS dual modulus (÷8/9) prescaler 4—41439
Groves, C.K. *see* Marquis, F. 4—58248
Groves, F.R., Jr. Equipment cost comparisons for direct contact heat recovery from Gulf Coast geopressured brines 4—34463
Groves, J.O., Neville, M.H. Battery back-up with defined input level 4—29660
Groves, M.H., Rajala, S.A., Snyder, W.E. Calculation of displacement fields by means of the motion detection transform 4—53937
Groves, S. Process technology combines with macro-cell I/O to benefit both customers and manufacturers 4—51316
Groves, S.H. *see* Tsang, D.Z. 4—52950, 4—52962
Groves, T.R. *see* Yau, Y.W. 4—47554
Grow, R. *see* Beer, M. 4—61282
Grow, R.W. The development of a new analytical wave analysis of a free electron laser or ubitron 4—37267
Grozev, G.G. *see* Hristanov, H.A. 4—49197
Grubb, K. Hydro plant applications: medium head 4—45346
Grubbs, W.H. *see* Das, M.B. 4—30541
Gruber, G.J., Hendrix, G.J., Schick, W.R. Characterization of flaws in piping welds using satellite pulses 4—46267
Gruber, H. *see* Tosch, R. 4—42747
Gruber, J.G., Le, N.H. Performance requirements for integrated voice/data networks 4—32181
Gruber, M. Computer for a heart: electronics in intensive care 4—61792
Gruber, R. Teleservice 300/6.000—now ready for widespread use 4—54173
Gruber, S. A computer-interfaced electrical machines laboratory 4—50352
Gruber, S., Prosser, A. An experimental suboptimal control using a DC link in a power system 4—62094
Gruber, S.S. *see* Nachlas, J.A. 4—46049
Gruber-Johnson, P., Todtli, J., Wehrli, P. Optimal loading strategy of a stratified storage with an electrical driven heat pump 4—34961
Gruber-Johnson, P., Wehrli, P. Stationary model of an electrically driven heat pump 4—35058
Grubin, H.L. *see* Kreskovsky, J.P. 4—36511
Grubman, S. *see* Dagen, H. 4—45887
Gruchalla, M.E. Practical problems of fiber optics in field applications 4—52571
Gruchawka, S. *see* Damon, D.H. 4—36944
Grudinin, A.B., Sulimov, V.B. Degree and state of polarization in an anisotropic single mode optical fibre 4—31139
Grudskaya, V.P. *see* Kurile, I.A. 4—57176
Gruebler, W. Status and developments with atomic beam sources 4—61664
Gruebler, W., Schmelzbach, P.A. Production of intense beams of polarized negative hydrogen ions by double charge exchange in alkali vapours 4—61658
Grueter, H. *see* Waser, D. 4—58441
Grueter, J.W. *see* Dogniaux, R. 4—33083

Gruhn, G. The matching of protective current transformers to the independent electronic overcurrent time protection 4—56664
Gruhn, M. Battle of the LANs 4—32362
Grun, R. *see* Hennig, G.J. 4—39683
Grund, E.C., Katz, J.L., Cope, R.P., Glick, A. Survnet, a prototype survivable local area network 4—32428
Grundey, T., Heinrichs, H., Klein, U., Muller, G., Nissen, G., Piel, H., Genz, H., Graf, H.-D., Janke, M., Richter, A, Schanz, M., Spamer, E., Titze, O Construction and first operation of a pilot CW superconducting electron accelerator 4—55787
Grundmann, D. *see* Korec, J. 4—50781
Grundmann, J.W. Event-driven MOS timing simulation 4—36898
Grundy, D.L. The technology choice: CMOS vs. NMOS vs. bipolar 4—47113
Grune, G.L. *see* Abramson, P. 4—46653
Gruner, J.A., Glaser, R.M., Feinberg, S.D., Collins, S.R., Nussbaum, N.S., Petrofsky, J.S. An exercise conditioning system for paralyzed leg muscles 4—56162
Gruner, J.A. *see* Glaser, R.M. 4—56163
Gruner, L. *see* Weil, C.M. 4—53256
Grunewald, T., Rudolf, M. Semi-conductor diode aided dosimetry of irradiation of pourable bulk material 4—39618
Grunfeld, F. *see* Pitt, C.W. 4—37160
Grung, B.L. *see* Warner, R.M., Jr. 4—51824
Grunin, A.V. *see* Alekseev, G.S. 4—49077
Grunthaner, F.J. *see* Grunthaner, P.J. 4—51866
Grunthaner, F.J. *see* Vasquez, R.P. 4—41981
Grunthaner, P.J., Grunthaner, F.J. Electronic and chemical structure of metal-silicon interfaces 4—51866
Gruntman, M.A. Identification of ions by their masses in multichannel energy analyzers 4—49093
Grunwald, A.J. Tunnel display for four-dimensional fixed-wing aircraft approaches 4—49377
Grunwald, B. *see* Miller, A. 4—56825
Grunwald, J.J., Turner, E.J., Sawoska, D.A., D'Ottavio, E.D., Spencer, A.C. High contrast photoresist for use with wafer steppers [VLSI] 4—58953
Grunwald, R. *see* Lademann, J. 4—52885
Gruodis, A.J. *see* Grasso, L.J. 4—35759
Grush, W.H., Varacalle, D.J., Jr., Harvego, E.A., Koizumi, Y. Anticipated transient without scram experiments at LOFT 4—49706
Grusbetski, D., Prikrgl, M., Svigach, P. Adaptor for interfacing two computers 4—32470
Grushevskii, V.I. How to increase the reliability of an electric power supply 4—45090
Grushin, S.A. *see* Pronyakin, V.T. 4—35553, 4—41133
Grushko, I.I. *see* Berman, S.D. 4—60036
Gruska, K. Use of harmonic analysis for inspection of ferromagnetic materials 4—35531
Gruszczynski, S. Inland telex communication on the ground of its global development 4—43665
Gruszynski, A.B. The communications terminal unit: a single chip microcomputer with on-board telecommunications interface 4—51061
Gruszynski, A.B. Design concepts for next generation logic systems 4—51178
Grutjen, W. *see* Benger, H.-F. 4—40677
Grutzmann, S. *see* Huber, B. 4—40827
Gruver, W.A., Ford, A., Gardiner, P.C. Public policy analysis using three system science techniques 4—57759
Gruzinskis, V., Pozela, J., Reklaitis, A. Current oscillations in p-i-n diodes at interband photoexcitation 4—37235
Gruzintsev, A.N. *see* Georgobiani, A.N. 4—30389
Gryaznevich, V.P. *see* Golubev, Yu.M. 4—59442
Grzadzielski, I. *see* Maciejewski, Z. 4—49505
Grzadzielski, I. *see* Mitkowski, E. 4—45088
Grzegorczyk, A., Stolarski, E. The influence of temperature on the changing of the basic parameters of IC sensors 4—61338
Grzegorski, J. *see* Cholewka, J. 4—34975
Grzelakowski, M.E. *see* Eldredge, G.P. 4—54366
Grzesik, J.A. Image buildup for the rectangular waveguide tensor Green's function 4—31728
Gschneidner, K.A., Jr. *see* Takeshita, T. 4—36303
Gsodam, H. Partial discharge behaviour of the insulating-oil-cellulose boundary layer in high voltage insulation 4—42181
Gsponer, A. *see* Anderson, L. 4—55989
Gu, X.-J. *see* Glinski, J. 4—52762
Gu, Y.-G., Gandhi, O.P. Phased-dipole applicators for torso heating in electromagnetic hyperthermia 4—56176
Gu, Z.-H., Lee, S.H. Recognition of images of Markov-1 model by least-squares linear mapping technique 4—32009
Gu Chunming *see* Zhou Fuzheng 4—47500
Gu Lan *see* Lan Gu
Gu Qizheng Theoretical analysis of a 3-way equi-power divider 4—59893
Gu Shengru *see* He Huijuan 4—31352
Gu Shengru *see* Li Yongchun 4—47491
Gu Shenru *see* He Huijuan 4—59481
Gu Wei-xin *see* Ma Jin-yuan 4—44690
Gu Yi-fan *see* Yi-fan Gu
Gu Youying *see* Yao Guangtao 4—58006
Gu Zhenghai *see* Xu Yinlin 4—39409
Gu Zhengtai *see* Li Shenghua 4—37341
Gu Zhengtai *see* Zhou Yan 4—37342
Gu Zhiyu, Cao Qiusheng Investigations on excimer lasers with various pumping schemes 4—37322
Gu-chuan Zhu *see* Zhu Gu-chuan
Gualtieri, D.M., Tumelty, P.F. Temperature dependent magnetic properties of the 1.2-μm bubble diameter compositions $(La, Sm, Lu, Tm)_3(Fe, Ga)_5O_{12}$ and $(La, Sm, Lu, Tm, Ca)_3(Fe, Ge)_5O_{12}$ 4—30971
Gualtieri, F.J., Jr. *see* Pridham, R.G. 4—39114
Gualtieri, G.J. *see* Schwartz, G.P. 4—51991
Gualtierotti, A.F. *see* Baker, C.R. 4—43373, 4—47886
Guan, D.-Y. Generalized acceleration factor in reliability 4—46025
Guan, M. On the windy postman problem [graph theory] 4—57918
Guan Shi-rong Error bounds for Rayleigh-Ritz-Galerkin method on eigenvalue problems 4—40992
Guan Tieliang, He Yuchuan Investigation of polarization-independent optical circulator 4—59280
Guan Yiling *see* Huang Guobiao 4—31451
Guan-quan Zhang *see* Zhang Guan-quan
Guan-yee Liu *see* Liu Guan-yee
Guang-hua Chen *see* Chen Guang-hua
Guang-ji Cui *see* Cui Guang-ji
Guang-lin Li *see* Li Guang-lin
Guang-Song Chiou *see* Chiou Guang-Song
Guangcheng Xiong *see* Xiong Guangcheng
Guangfu Zheng *see* Zheng Guangfu
Guangji Cui *see* Cui Guangji
Guangming Gao *see* Gao Guangming
Guangming Zhang *see* Zhang Guangming
Guangqi Cui *see* Cui Guangqi
Guangrong Yang *see* Yang Guangrong
Guangrui Hu *see* Hu Guangrui
Guangsheng He *see* He Guangsheng
Guangtao Yao *see* Yao Guangtao
Guangyan Hong *see* Hong Guangyan
Guangyin Zhang *see* Zhang Guangyin
Guangyuan Gong *see* Gong Guangyuan
Guangzhong Hong *see* Hong Guangzhong
Guansheng Yang *see* Yang Guansheng
Guanyuan Gang *see* Gang Guanyuan
Guanziroli, M. *see* Anderson, L. 4—55989
Guardino, T.E. *see* Fancher, R.B. 4—62072
Guardo, R. *see* Blanchard, M. 4—49310
Guardo, R. *see* Savard, P. 4—49209
Guarnerio, M. *see* Antolini, R. 4—49253
Guarrera, J.J. Role of the professional society 4—50317
Guasco, C. *see* Gallesio, A. 4—30600
Gubaeva, M.M. *see* Borovikov, A.A. 4—39474
Gubankov, V.N., Konstantinyan, K.I., Koshelets, V.P. Microwave properties of shunted tunnel junctions 4—37069
Gubankov, V.N. *see* Vystavkin, A.N. 4—59171
Gubanski, S.M., Winkler, J. Erosion evaluation of polymeric materials for outdoor HV insulation 4—59098
Gubarev, A.V., Nekrasov, A.A. Wave-driven gas circulation in a gas discharge chamber with a pulse-periodic energy supply 4—31325
Gubarev, G.G., Severin, V.P. Optimisation of impulsive supply source parameters 4—40316
Gubarev, S.I. *see* Borisenko, A.A. 4—43125
Gubbels, G.H.M. *see* Wolff, L.R. 4—40496
Gubin, M.A. *see* Alekseev, V.A. 4—37513
Gubin, V.P. *see* Bazarov, E.N. 4—42553
Gubser, A. *see* Massey, J.L. 4—43200
Gucht, D.Van *see* Van Gucht, D.
Gucman, W. Measuring apparatus manufacture in Polish Telecommunication Works 4—44390
Gudelev, V.G., Yasinski, V.M. On laser radiation gain distribution along the He-Ne gas discharge positive column 4—47483
Gudewicz, P. *see* Anderson, L. 4—55989
Gudgeon, J. Microphone pre-amp with AGC 4—48410
Gudkin, T.S., Fiskind, E.E. Thermoelectric, galvanomagnetic, and thermomagnetic properties of heterogeneous layer media. II. Anisotropic thermoelectric figure of merit of heterogeneous layer media 4—58711
Gudnov, A.G. *see* Greshishev, Yu.M. 4—48593
Guebels, P. *see* Dierckx, R. 4—54033
Guebels, P.P., van Simaeys, F., Rahier, M.C. A 150 mW subscriber-line board controller 4—54555
Guedes de Oliveira, P., Principe, J.C., Cruz, A., Tome, A.M. Multiprocessor electroencephalogram (EEG) analyzer 4—49212
Gueguen, F., Grosmann, M., Meyrueis, P. Optical fiber sensors applied to geophysics 4—61889
Gueguen, J.P. *see* Dei-Cas, R. 4—33762
Gueho, S. *see* Dubost, G. 4—41550
Guekos, G. *see* Buchmann, P. 4—31110
Guekos, G. *see* Ulmi, R. 4—34516
Guel, S., Berriel, L.R., Jara, E., Ibarra, J. Real time image difference by cosinusoidal modulation 4—38108
Guel, S., Moreno, A., Berriel, L.R., Espinosa, G., Golzarri, J.I. Nuclear track pseudocoloring by illumination wavefront angle variation 4—55902
Guel, S. *see* Berriel-Valdos, L.R. 4—43446
Guel, S. *see* Ibarra, J. 4—38109
Guelin, M. *see* Delannoy, J. 4—60943
Guen, D.Le *see* Le Guen, D.
Guendel, H., Harendt, A., Irmer, J., Ross, W., Seliger, K., Volkmann, H. Model calculation and experiments on laser discharges in nitrogen 4—47423
Guenin, J.-P. The TELECOM 1 terrestrial subnetwork and management center 4—54661
Guenter, P. New applications of ferroelectrics for optical devices 4—31473
Guentert, L. Two ICs form balanced RS-232C transceiver 4—38363
Guenther, A.H. Recent advances in laser-triggered switching 4—37431
Guenther, A.H. *see* Stewart, A.F. 4—42693
Guenther, G.C., Thomas, R.W.L. System design and performance factors for airborne laser hydrography 4—61962
Guenther, W.C. Determination of rectifying inspection plans for single sampling by attributes 4—29282
Guerassimov, A.L. *see* Simeonov, S.S. 4—51877
Gueret, P.L. *see* Bednorz, J.G. 4—44490
Guerin, C., Peyrat, A. Monopulse secondary radar—implementation and performance 4—60903
Guerin, J.-M., Chang, M.B. RF spectral and temporal analysis with a real time tunable frequency filter 4—53603
Guerra, A. *see* Crespo, L. 4—49815
Guerra, A.Del *see* Del Guerra, A.
Guerra, S.Suarez *see* Suarez Guerra, S.
Guerrant, G.C. *see* Kopp, M.K. 4—34337
Guerrant, G.C. *see* Valentine, K.H. 4—33699
Guerrero, A., De Los Mozos, J.R. An approach to traffic analysis of chronically overloaded networks 4—47987
Guerrero, E. *see* Jungling, W. 4—36509
Guerri, L. *see* Franzone, P.C. 4—49202
Guerri, S. *see* Ostoja, P. 4—34890
Guerry, R.K. *see* Ham, W.T., Jr. 4—56206
Guertler, M.W., Altemark, U. Radiation protection in modern nuclear medicine and brachytherapy departments by management and regulations and/or by equipment and installations 4—39629
Guertler, M.W., Altemark, U.M.F. Technical and economical aspects, also considering safety requirements in connection with the remote after loading technique used in modern brachytherapy 4—39598
Guetskii, B.A. *see* Rudnitskii, L.M. 4—59706
Gueugnon, C. *see* Bernstein, P. 4—36991
Gueulette, J. *see* Richard, F. 4—39601
Guex, L. *see* Depeursinge, Y. 4—36848
Guga, K.Yu. *see* Akopyan, A.A. 4—46819
Guga, K.Yu. *see* Malyutenko, V.K. 4—36266
Guga, K.Yu. *see* Vlasenko, N.A. 4—61510
Gugan, D. The analysis of ^{4}He isotherms: density and dielectric virial coefficients and the accuracy of NPL-75 4—33525
Guggenheim, H. *see* Camlibel, I. 4—52797
Guglielmi, L. *see* Centro, S. 4—55849
Guglielmo, M. *see* Bigliardi, R. 4—61095
Guglielmo, M. *see* Chiariglione, L. 4—43091
Guglielmoni, P.B. *see* Burke, A.J. 4—46038
Guglina, L.L. *see* Bendik, N.T. 4—62205
Gugliotti, J.A., Weitz, E.B. Getting mainframe data to micros 4—60502
Gugolz, K., Eugster, H. Vault protection with seismic detector systems 4—33294
Guha, S., Braun, C., Kung, J., Gundersen, M. Thyratron operation using helium for high-power and high-repetition-rate applications 4—51720
Guha, S., Huang, C.-Y., Hudgens, S.J. Energy distribution of light-induced gap states in hydrogenated amorphous-silicon alloys 4—42459
Guha, S., Huang, C.-Y., Hudgens, S.J. Annealing behavior of light-induced defects in hydrogenated amorphous silicon alloys 4—52761
Guha, S., Kunc, J.A., Gundersen, M.A. Optical quenching and energy extraction involving metastable and dissociative stages in hydrogen 4—42525
Guha, S. *see* Hack, M. 4—57339, 4—59303
Guha, S. *see* Kunc, J.A. 4—36240
Guha, S. *see* Srivastava, A.K. 4—57360
Guhring, W.H. Microprocessor-type film thickness measuring devices for metal and precious metal layers 4—33112
Gui Huaigu *see* An Peijian 4—47520
Gui Youxi *see* Yao Guangtao 4—58006
Gui Zenxin *see* Wang Yumin 4—59410
Gui-lan Zhang *see* Zhang Gui-lan
Gui-Liang Feng *see* Feng Gui-Liang
Guibord, A. *see* Shoamanesh, A. 4—32764
Guibord, A.F., Shinriki, M. Comments on 'Signal-to-noise ratio of *n*th law amplifier for non-Gaussian noise' [and reply] 4—31810
Guibord, A.F. *see* Vuong, X.T. 4—60741
Guichard, J. Transmission of tri-dimensional moving pictures 4—48739
Guichard, J., Poirier, A. An experiment in 3-D television 4—44235
Guidacci da Silveira *see* Diaz, M. 4—54398
Guidali, R. *see* Cattaneo, C. 4—36973
Guidarelli, G. Intelligibility of multichannel clipped speech 4—31900

Guidebeck, R. 'Adjustable frequency drives in the textile industry 4—57440
Guidobaldi, R. *see* Pagano, E. 4—49889
Guidotti, E. *see* DePew, J. 4—58635
Guidoux, L., Mary, L. Circuits for modems 4—32492
Guidoux, L. *see* Brie, R. 4—31701
Guiducci, S. *see* Biagini, M. 4—47384
Guifen Zhang *see* Zhang Guifen
Guile, A.E. Electric arcs: their electrode processes and engineering applications 4—58674
Guilfoyle, P.S. *see* Rhodes, W.T. 4—60195
Guilhem, D. *see* Damelincourt, J.J. 4—62799
Guili, D. *see* Glerardelli, M. 4—54863
Guillame, B., Delfour, A., Bize, D. 10.6 μm Mie scattering by a single particle in optical levitation 4—31525
Guillaume, W.J., Kurylo, A. Proximity correction technique for electron-beam tools 4—51951
Guillaume, Y. EURECA: Current structure and use 4—34252
Guillen, M.I. *see* Martin, G. 4—49136, 4—49262
Guillet, J., Kanawati, A., Boiteux-Steffan, G., Seytre, G. Influence of processing on dielectric properties of copolymer of vinylidene fluoride—trifluorochloroethylene 4—58573
Guillot, G. *see* Loualiche, S. 4—30597
Guillot Gauthier, S., Peuzin, J.C., Olivier, M., Rolland, G. Monoclinic telluric acid ammonium phosphate (TAAP). A new ferroelectric compound. III. Dielectric and related properties 4—30844
Guillou, M.Le *see* Le Guillou, M.
Guillouard, G., Meyer, G., Pham, Q.M., Soffer, J. Asynchronous drive with inverter cooled by refrigerant R 113 4—34988
Guimaraes, L. Advanced solar cells 4—34905
Guimaraes, P.S.S. *see* Eaves, L. 4—58774
Guinea, F. *see* Flores, F. 4—41894
Guinea, F. *see* Sanchez-Dehesa, J. 4—36330
Guinon, W.J. *see* Van Broekhoven, P. 4—44861
Guinot, B. *see* Wardrip, C. 4—39331
Guiraud, J.L. *see* Behe, R. 4—31802, 4—42998
Guirong Wang *see* Wang Guirong
Guirong Xu *see* Xu Guirong
Guishen Tang *see* Tang Guishen
Guitard, D., Vantrin, A. Removable multidirectional extensometer 4—48858
Guivarc'h, P.H., Baudouy, M., Morand, P. A computerized method for processing right ventricle cineangiography 4—49273
Guiyin Chu *see* Chu Guiyin
Guiyun Kai *see* Kai Guiyun
Guiyun Liang *see* Liang Guiyun
Gukelberger, A. New developments of CO_2-high power lasers in the multi-kilowatt range and their use in industrial production 4—52880
Gula, A. *see* Bystritsky, V.M. 4—55810
Gulabov, G.M. *see* Dzhuvarly, Ch.M. 4—57129
Gulachenski, E.M. *see* Cyganski, D. 4—34231
Gulacsik, C., White, G.O., Toman, J., Piszker, L.D. A free-space millimeter-wave dielectrometer for characterization of lossy materials 4—39294
Gulakov, I.R. *see* Vetokhin, S.S. 4—46779
Gulamov, I.R. *see* Romanovskii, E.A. 4—49075, 4—61699
Gulati, A., Merkle, C.L. Absorption of electromagnetic radiation in an advanced propulsion system 4—33954
Gulati, R., Kaushik, S.B., Chandra, I., Sharma, B.L. An optically-gated InP MISFET 4—58928
Gulden, T.D. *see* Holland, J.W. 4—61860
Guldenpenning, A. Experiences with the aerial inspection of traction current lines 4—50156
Guldenpenning, A. 75 years ago: opening of electric train operation on the Berchtesgaden-Konigssee line 4—50159
Guldenpenning, A.U.W. The German Federal Railway Class 120 three-phase drive system: service trials 4—50162
Guldner, H. *see* Conrad, H. 4—41184
Guldner, H. *see* Schonfeld, R. 4—36696
Guldner, Y., Bastard, G., Vieren, J.P., Voos, M., Faurie, J.P., Million, A. Magneto-optics in a II-VI superlattice: HgTe-CdTe 4—51855
Guletskii, P.G. *see* Sandovskii, V.A. 4—55634
Gulian, A.M., Zharkov, G.F. Quantum oscillations of the nonequilibrium chemical potential in Josephson junctions 4—52507
Gulidov, S.S. *see* Andreev, R.V. 4—59486
Gullberg, K. *see* Renhorn, I. 4—54897
Gullev, J. Electrical space heating is advantageous for the consumer 4—57564
Gullichsen, E. Representations & combination of Boolean functions using APL 4—51097
Gully, J.H., Estes, E.G., Walls, W.A., Weldon, W.F. Compact homopolar generator developed at CEM-UT 4—45525
Gully, J.H. *see* Spann, M.L. 4—42779
Gulrajani, R.M. *see* Savard, P. 4—49209
Gulyaev, Yu.V., Dikaev, Yu.M., Kotelyanskii, I.M., Mirgorodskaya, E.N., Orlov, V.P. Rippled grating on a waveguide surface with improved coupling efficiency 4—59244
Gulyaev, Yu.V., Medved', A.V. Acoustic surface wave devices and their applications in radioelectronics (review) 4—42214
Gulyaev, Yu.V. *see* Anisimkin, V.I. 4—56357
Gulyayev, Yu.V., Kurayev, A.A., Nefedov, E.I., Olenin, V.D., Slepyan, A.Ya., Slepyan, G.Ya. Some results of optimization of a coaxial orotron 4—46766
Gulyayev, Yu.V., Shkerdin, G.N. Contribution to the theory of acousto-optic interaction in active resonators 4—42671
Gulyayev, Yu.V., Strakhov, V.A., Chusov, I.I., Yaremenko, N.G. Investigation of the electrical characteristics of double heterostructures (DHS) by the line diagram method 4—30413
Gumanovskii, B.Ya., Samuleev, V.I., Burda, E.M. Special features of static conditions of low-power doubly-fed machines 4—56916
Gumenyuk, S.A. *see* Borovikov, A.A. 4—39474
Gumienny, Z. *see* Misiewicz, J. 4—41857
Gumin, M.I., Rosman, L.V., Tarnavskii, V.M. Group excitation control of generators in State Regional Electric Power Plant transformer station automation control systems 4—34721
Gumkowski, D. Structure current interference 4—59801
Gummer, J.H. *see* Villalba, J.R. 4—45334
Gumpertz, W.E. Macro-viewing and lighting techniques for IC device inspection 4—57852
Gunal, I., Ozsan, M.E. Te/CdS thin film diodes 4—36541
Gunapala, S. *see* Coon, D.D. 4—55462, 4—61373
Gunapala, S.D. *see* Coon, D.D. 4—39187, 4—48903
Gunasekaran, S. *see* Balasubramanian, K. 4—39953
Gunasekaran, S. *see* Balasubramonian, K. 4—44429
Gundarov, V.P., Trukhanov, A.I., Shirokov, V.S. Automated ultrasonic diagnostic systems for outpatient clinics 4—56082
Gundarov, V.P. *see* Bulgakov, S.P. 4—39562
Gundersen, M. *see* Guha, S. 4—51720
Gundersen, M.A. *see* Guha, S. 4—42525
Gundersen, M.A. *see* Kunc, J.A. 4—36240, 4—36241, 4—51719
Gunderson, S.J. A topology to linearize Miller-effect compensated amplifiers 4—51003
Gundlach, K.H. *see* Blundell, R. 4—41585
Gundry, K.J. *see* Todd, C.C. 4—44373
Gunes, D. *see* Meyer, PC 4—52396
Gungen, T., Geckinli, N.C. An algorithm for formant tracking 4—59958
Gungle, W.C. *see* Richardson, D.A. 4—57518
Gunkel, R.A. *see* Rivoire, J.R. 4—46028
Gunn, M.J. An introduction to the stepping motor 4—57080
Gunn, M.W. *see* Tang, T. 4—37739
Gunnarsson, R., Nivert, K. Optimum grade of service in telecommunication networks 4—47988
Gunshor, R.L. *see* Kolodziejski, L.A. 4—35471, 4—58015
Gunshor, R.L. *see* Martin, S.J. 4—30933
Gunshor, R.L. *see* Schwartz, S.S. 4—59116
Gunsul, P.R. Network Emulator and Tester (NEAT) 4—54392
Gunter, P. *see* MacDonald, K.R. 4—47328
Gunter, P. *see* Scheel, H.J. 4—35462
Gunter, R. *see* Stassen, H.H. 4—38060
Gunther, R. The standard series of power supply modules 4—62604
Gunther, R.H. *see* Pforr, E.A. 4—35405
Gunther, S. *see* Knobloch, J. 4—58331
Gunton, T. Planning for corporate communications 4—43530
Guntsch, F.R. Concept of the Federal (German) Government for promotion of information technology 4—54004
Gunzel, K., Weber, U., Wurll, P. Visual sensor systems for industry 4—44263
Guo, H., Chen, L., Hirshfield, J.L. Second- and third-harmonic operation of a gyrotron backward wave oscillator 4—41773
Guo, R.T. *see* Kung, R.I. 4—51247
Guo, S. *see* Ahlen, S.P. 4—55955
Guo, S.F. A simple model for computer simulation of Schottky-barrier diodes 4—47005
Guo, S.-L. *see* Salamon, M.H. 4—61713
Guo, T.C., Guo, W.W., Larsen, L.E. Medical microwave imagery: An inverse scattering approach 4—39559
Guo, T.C., Guo, W.W., Larsen, L.E. Comments on 'Microwave diffraction tomography for biomedical applications' by J.H. Bolomey, et al 4—44724
Guo, W.W. *see* Guo, T.C. 4—39559, 4—44724
Guo, Y.-L., Yao, M.-Y., Pang, S.-M. High efficiency up-conversion and real-time storage by two-fold degenerate four-wave mixing in BDN dye 4—42697
Guo, Z.W. *see* McInnis, B.C. 4—49319
Guo Dongsheng *see* Xu Zuyan 4—31340
Guo Hong-fei *see* Zhu Qi-ming 4—44689
Guo Ji-jie, Zhang Jin-duo, Tu Lien-yueh Analysis of the lower modes of free vibration of a piezoelectric ceramic disk polarized in the thickness direction 4—30841
Guo Jianjian, Gao Xuanzheng 10 meter precision tracking and command antenna and feed 4—59879
Guo Liang, Yu Yao Kun Considerations for future Chinese Domsat Communication System 4—60791
Guo Wei *see* Yu Keming 4—31269
Guo Weixin *see* Ment Xiaofan 4—37057
Guo Yili *see* Li Gang 4—59597
Guo Yu-fa Error estimate of finite difference method for first order quasilinear equation 4—40984
Guo-Jun Wang Order-homomorphisms on fuzzes 4—40947
guo-qiang Ni *see* Ni guo-qiang
Guo-Zhen Xiao *see* Xiao Guo-Zhen
Guo-zhu Wei *see* Wei Guo-zhu
Guobiao Huang *see* Huang Guobiao
Guocun Liu *see* Liu Guocun
Guoga, V.I. *see* Ashmontas, S.P. 4—30414
Guohe Sha *see* Sha Guohe
Guohong Pan *see* Pan Guohong
Guohong Yao *see* Yao Guohong
Guoliang Shi *see* Shi Guoliang
Guoliang Si *see* Si Guoliang
Guonai Zhou *see* Zhou Guonai
Guoqiang Wang *see* Wang Guoqiang
Guorui Chen *see* Chen Guorui
Guosheng Liu *see* Liu Guosheng
Guoshu Ji *see* Ji Guoshu
Guosong Huang *see* Huang Guosong
Guoxian Lu *see* Lu Guoxian
Guoxiang Zu *see* Zu Guoxiang
Guozhen He *see* He Guozhen
Guozhen Yang *see* Yang Guozhen
Guozhu Wei *see* Wei Guozhu
Gupalo, A.V. *see* Vishenchuk, I.M. 4—33359
Gupta, A. *see* Kaelin, G. 4—30106, 4—30112
Gupta, A. *see* Khan, N.M. 4—50595
Gupta, A.C. *see* Sharma, J.K.N. 4—42208
Gupta, A.K. On detection of a PN spread-spectrum signal in colored noise 4—37960
Gupta, A.K. A general PN spread-spectrum processing gain formula 4—38015
Gupta, A.K. On spectral skewness of a narrowband Gaussian process 4—43064
Gupta, A.K. On lowpass and bandpass detection of a PN spread-spectrum signal 4—60147
Gupta, A.K., Penafiel, M. On digital detection of band-limited white noise in colored noise 4—60150
Gupta, A.K. *see* Petersen, W.C. 4—30114
Gupta, C.Das *see* Das Gupta, C.
Gupta, G., Liu, P., Sevcik, R. The SL-1 PBX integrates voice and data switching 4—48369
Gupta, G.P., Rohatgi, V.K. Power output characteristics of a finitely segmented Faraday MHD generator 4—45670
Gupta, H. Diophantine equations in partitions 4—29324
Gupta, H.M. *see* Tavildar, A.S. 4—53912
Gupta, H.M. *see* Uttam, S.P. 4—60678
Gupta, J.R.P., Bhim Singh, Singh, B.P., Murthy, S.S. Transient analysis of braking mode operation of induction motor fed from a variable frequency source 4—34645
Gupta, M.C. *see* Kumar, A. 4—57874
Gupta, M.C. *see* Wheeler, J.W. 4—44271
Gupta, M.J.Das *see* Das Gupta, M.J.
Gupta, M.M., Prasad, K. High frequency information in electrocardiography 4—56136
Gupta, O. *see* Balliet, L. 4—48479
Gupta, O.R. *see* Davis, M.F., Jr. 4—45980
Gupta, P. *see* Goel, L.R. 4—46009, 4—46010, 4—46011, 4—57880
Gupta, P.D. *see* Datta, P.K. 4—48737
Gupta, P.N. *see* Bagchi, C.N. 4—34285
Gupta, P.P., Agarwal, S.C. A parallel redundant complex system with two types of failure under preemptive-repeat repair discipline 4—46003
Gupta, P.P., Agarwal, S.C. A parallel redundant complex system with two types of failure under different repair disciplines 4—50596
Gupta, R. *see* Goel, L.R. 4—46006, 4—46007, 4—46008
Gupta, R.K., Gopal Rao, U.V. Survey of satellite meteorology 4—62000
Gupta, R.N., Moss, J.N., Simmonds, A.L., Shinn, J.L., Zoby, E.V. Space Shuttle heating analysis with variation in angle of attack and catalycity 4—44803
Gupta, R.P., Deshmukh, P.R., Khokle, W.S., Singh, A. Fabrication of damage free micropatterns in silicon 4—58875
Gupta, R.P., Mantrawadi, S.C., Chandra, S.K. Development of a windmill for water pumping for developing countries 4—34537
Gupta, R.P., Sharma, M.K., Khokle, W.S. Capacitance uniformity of silicon hyperabrupt varactors 4—36094
Gupta, R.S. *see* Khan, A.A. 4—46598
Gupta, S.C., Gupta, Y.M. Response of ytterbium foils oriented parallel and perpendicular to the shock front 4—61358
Gupta, S.C. *see* Sinha, R. 4—32439, 4—60729
Gupta, S.C. *see* Viswanathan, R. 4—32713
Gupta, S.K. Solid state barometer 4—56299
Gupta, S.K., Audain, C.G. Trilayer resist processing using spin-on glass intermediate layers 4—58954

Gupta, S.N., Bagchi, A.K., Kundu, N.N., Khokle, W.S. A simple method of photomask yield optimization by defect inspection 4—58978
Gupta, S.N. *see* Tavildar, A.S. 4—53912
Gupta, S.N. *see* Uttam, S.P. 4—60678
Gupta, S.S., McDonald, G.C. On using selection procedures with binomial models 4—40928
Gupta, V.K., Fritts, D.H. Electrochemical studies of calcium and calcium-lithium alloys in thionyl chloride electrolyte systems 4—40401
Gupta, V.N., Lennig, M., Mermelstein, P. Decision rules for speaker-independent isolated word recognition 4—53508
Gupta, Y.M. *see* Gupta, S.C. 4—61358
Gupta, Y.P. *see* Regulinski, T.L. 4—50599
Gupta Subhasish Datta *see* Datta Gupta Subhasish
Gupte, M.P. Circuit board testing by an outside vendor 4—50517
Gur, M.M. An analysis of the networking requirements for a residential two-way CATV system: MetroNet 4—32963
Gura, J.H. Role of the building services engineering consultant 4—50407
Gurchin, I.I., Savel'ev, M.V. Electrooptical device for graphic information read-out 4—52705
Gurdev, L.L. Region of maximum accuracy in measuring weak lidar signals in a photon-counting regime 4—54889
Gureev, E.A. Use of interference and compensation filters in wide-angle photoelectronic measuring devices 4—42451
Gur'ev, Yu.L. *see* Glebov, I.A. 4—62488
Gurevich, G.L., Kogan, A.L. Noise characteristics of microwave signal processors. Utilizing space-charge waves in thin semiconductor films 4—30101
Gurevich, G.L., Nefedov, I.N., Sandler, M.S. On the possibility of increasing the Q of surface acoustic wave resonators by using interdigital reflectors with parabolic electrodes 4—42215
Gurevich, G.L., Paskhin, V.M., Sandler, M.S. Multifrequency rejection filter employing a surface acoustic wave resonator 4—46552
Gurevich, S.B. *see* Barannikov, A.L. 4—37497
Gurevich, S.Yu. *see* Budenkov, G.A. 4—35543
Gurevich, V.M., Karpova, M.I., Moskalev, L.L. Influence of a carrier gas on the thermal conditions for the deposition of epitaxial layers of silicon during the pyrolysis of silane 4—41085
Gurevich, Y., Stockmeyer, L., Vishkin, U. Solving NP-hard problems on graphs that are almost trees and an application to facility location problems 4—57923
Gurevich, Yu.Ya., Pleskov, Yu.V. Photoelectrochemistry of semiconductors 4—46900
Gurich, G., Milz, U., Wolf, H.-C. Principle of measuring for the measurement of torque on dynamic conditions 4—49888
Gurin, N.T., Baklanov, S.B. Scale display unit based on light-emitting neuristor with voltage divider 4—39225
Gurk, H.M., Kaskiewicz, P.F., Altman, W.P. Windsat free-flyer using the Advanced Tiros-N satellite 4—61917
Gurley, S. Formable hardboard circuit replaces boards, flex circuits, connectors 4—41680
Gurley, S., Gazit, S. Application, design and processing of formable reinforced epoxy laminates for printed circuits 4—51609
Gurnev, H.G. *see* Stavrev, G.A. 4—33104
Gurov, N.S., Chuvychin, V.N. Using microprocessor techniques in frequency-measuring relay schemes 4—45175
Gurov, Yu.B. *see* Gaisak, I.I. 4—49073
Gurov, Yu.B. *see* Gornov, M.G. 4—49081, 4—61701
Gurrieri, G. *see* Beer, A. 4—61682
Gurs, K. Research and development in the field of high power laser technology at Battelle 4—52878
Gurskii, V.B., Pyatetskii, R.E. Production and reproducibility of limiting elements in projection photolithography 4—58632
Gurtov, V.A. *see* Asatryan, S.G. 4—30447
Gurvich, A.K., Kritskaya, M.V., Lerner, E.S., Passi, G.S., Sirota, D.N., Starunov, B.P. Accessory attachment to an ultrasonic flaw detector for monitoring the state of the acoustic bond 4—58085
Gurvich, A.K., Kuz'mina, L.I., Kusakin, N.A. Interference method of determining wavelength in material tested with oblique transducer 4—35554
Gurvich, A.K., Markov, A.A. Doppler effect in ultrasonic inspection 4—35548
Gurvich, V.A. A statistical method of estimating the detectability of small and low-contrast details in X-ray images 4—35541
Gurvitch, M. *see* Gates, J.V. 4—31069
Gurvits, A.E., Korshunov, V.L., Tertyshnyi, G.A., Belenets, Yu.P., Kolesnikov, L.P., Fedorova, N.A. Sensors of parameters of the process conditions in automatic spot welding lines controlled by microcomputers 4—62865
Guryanov, A.N. *see* Belov, A.V. 4—47250
Gur'yanov, A.N. *see* Belovolov, M.I. 4—59247
Gur'yanov, I.A. *see* Popov, V.I. 4—34753
Guryanov, I.V. *see* Vasyagin, N.I. 4—49305
Gusak, N.A., Mashchenko, A.G. Optimal electrooptical focusing devices 4—42417
Gusakov, V.I. *see* Boldyrev, V.M. 4—40004
Gusakovskii, V.E., Shtager, E.A. Generalized ambiguity function of signals with compression in the presence of scattering of waves by bodies of a complex shape 4—42841
Gusarov, V.R. *see* Nuriev, F.N. 4—50861
Guschin, A.N. *see* Ital'yantsev, Yu.F. 4—35526
Guseinov, F.G., Rakhmanov, N.R. Operative statistical identification of power-system objects 4—56400
Guseinov, I.A. *see* Badalov, A.Z. 4—51825
Guseinov, R.D. *see* Lomakin, V.A. 4—40269
Guseinov, T.M. *see* Isaev, A.I. 4—30309
Gusev, A.A., Kruzhalov, S.V., Lvov, B.V., Pakhomov, L.N., Petrunkin, V.Yu. Continuous-wave Nd:YAG laser with passive stabilization of self-mode locking. I 4—59487
Gusev, A.V. *see* Vendik, O.G. 4—59073
Gusev, A.V. *see* Vorontsov, Yu.I. 4—41239
Gusev, E.A., Leonov, B.I., Novitskii, F.N. Electron-optical converters in flaw detection with ionizing radiation 4—35559
Gusev, E.A., Zykin, L.M., Klochko, V.A., Klyuev, V.V., Leonov, B.I., Petushkov, A.A. Controlled luminescence converter of ionizing radiation [scintillation detector] 4—49082
Gusev, E.A. *see* Petushkov, A.A. 4—35547
Gusev, G.M., Kvon, Z.D., Neizvestnyi, I.G., Ovsyuk, V.N. Logarithmic corrections to the conductivity of a two-dimensional hole gas 4—51763
Gusev, O.A. *see* Beruchev, N.G. 4—61603
Gusev, S.A. *see* Gaponov, S.V. 4—29480
Gusev, V.A., Demenko, S.I., Detinenko, V.A., Malinovskii, V.K. PRIZ-type space-time light modulation with increased photosensitivity 4—37168
Gusev, V.A., Nikitina, N.V., Shermerevich, A.B. Volt-ampere characteristics of silicon photothyristors 4—36564
Gusev, V.A., Sorochenko, R.L. A stable local oscillator for the RT-22 radio telescope for millimeter-wavelength spectral studies 4—60949
Gusev, V.D. *see* Gailit, T.A. 4—39709
Gusev, V.G. *see* Bolinov, V.A. 4—50197
Gushchin, E.M., Lebedev, A.N., Somov, S.V. Measurements of the track drift in a streamer chamber 4—61714
Gushev, A. *see* Manev, V. 4—57326
Gusmao, L.A.P. On the design of simulated inductors and FDNRs with maximum Q 4—35954
Gusovskii, D.D. *see* Belovolov, M.I. 4—59247
Gust, W. *see* Dorner, P. 4—36257
Gustafson, J.C., Lin, R.Y. The evaluation of silver-diboride composites for use in electrical contact applications 4—41632
Gustafson, J.C. *see* Brecher, C. 4—41633
Gustafson, R. *see* Walker, G. 4—40126
Gustafson, S.C. Optical processing techniques for pseudorandom sequence prediction 4—53808
Gustafson, T.K. *see* Wummer, J. 4—61378
Gustafsson, B. The Swedish Transport System for radioactive material 4—62292
Gustafsson, E. *see* Hok, B. 4—33228
Gustafsson, I. A preconditioned iterative method for the solution of the biharmonic problem 4—40987
Gustafsson, S., Karawacki, E., Chohan, M.A. Circuit design for transient measurements of electrical properties of thin metal films and thermal properties of insulating solids or liquids 4—39271
Gustafsson, S., Sundblad, R., Svensson, C. Low-noise operational amplifiers using bipolar input transistors in a standard metal gate CMOS process 4—46352
Gustavson, F. *see* Storozum, S.L. 4—60838
Gut, G.M. Restriction of wafer drift in parallel-plate plasma system 4—52017
Gut, G.M. *see* Dillinger, T.E. 4—30490
Gut, R.E., Lesman, M.Ya., Shutov, A.S. Efficiency of digital data transmission with single error correction by a modified Wagner method 4—53411
Gut, R.E., Minevich, M.L. The efficiency of parallel digital signal transmission with frequency adaptation 4—32644
Gutberlet, H. Treatment of water from the flue gas desulphurization plant at Scholven Power Station 4—34372
Gutcheck, R. *see* Tatchyn, R. 4—36378
Guterl, F. *see* Hayes-Roth, F. 4—50398
Guterl, F. *see* Lerner, E.J. 4—50364
Guth, G., Rey, A., Baker, R. Control of static phase shifting transformers with leakage reactance 4—57140
Guth, M.A.S. Solar thermal technology near term impact on imported petroleum 4—45275
Guther, R., Korn, G., Polze, S., Schaefer, L., Tesch, L., Kleemann, B. Production and investigation of holographic gratings for the infrared spectral range 4—53105
Guthlein, H. *see* Borgwardt, H. 4—34996
Gutierrez, A. *see* Pacansky, J. 4—30503
Gutierrez, C. *see* Salvador, P. 4—30472
Gutierrez, D. *see* Pande, K.P. 4—52089
Gutierrez, J.L. *see* Torrealday, J.R. 4—40240
Gutierrez, L. *see* Firmani, C. 4—46778
Gutierrez, M.L. *see* Hinsberg, W.D. 4—58834
Gutin, V.S. The effectiveness of choosing random phase-shift keyed signals from the number of blocks 4—37829
Guting, R.H., Wood, D. Finding rectangle intersections by divide-and-conquer 4—52194
Gutkin, A.A., Dmitrieva, L.A., Sidorov, V.G., Tvirova, E.A., Shalabutov, Yu.K., Shlikhtov, S.N. Parameters of a center responsible for slow relaxation of the capacitance of GaP:ZnO light-emitting diodes 4—31258
Gutknecht, M.H. Rational Caratheodory-Fejer approximation on a disk, a circle and an interval 4—57968
Gutman, S., Chojnowski, F. Root clustering for rational convex regions 4—57892
Gutnikov, V.S., Bukhman, A.I. Noise-suppressing digital frequency meter 4—39227
Gutnikov, V.S. *see* Ashanin, V.N. 4—44558
Gutorov, V.F. *see* Kulichikhin, V.V. 4—34425
Gutowski, M., Pietrzyk, R. Automation of the intercity telephone system in Lodz 4—43891
Gutowski, M., Romanowski, Z. Telecommunication in the Lodz area 4—43653
Gutpa, R., Assal, F., Potukuchi, J., Forcina, G. Ground-based techniques for monitoring performance of SS-TDMA communications satellites 4—38568
Gutsch, R. New standards for the surface roughness 4—61598
Gutsche, H. *see* Wobus, C. 4—31975
Gutsche, M. Sparking portable sales with mobile chargers 4—38471
Gutsmann, R.-D. *see* Demmer, W. 4—53377
Gutteberg, O. Measurements of atmospheric effects on satellite links at very low elevation angle 4—31664
Guttinger, H., Pfister, G. Application of fiber optic technology in security systems 4—33296
Guttman, J.L. *see* Turnbull, R.J. 4—44676
Gutzwiller, M.J. *see* Ushida, N. 4—56030
Gutzwiller, R.A., Gerhardt, R.J., Hickok, H.N. A 10000 h.p. AC adjustable-frequency compressor drive—the economics of its application 4—57414
Gutzwiller, R.A., Gerhart, R.J., Hickok, H.N. A 10000 hp AC adjustable frequency compressor drive—the economics of its application 4—34970
Guy, A.G. Quantitative thermodynamic treatment of electrical conduction in n-type semiconductors when hole formation can be neglected 4—51744
Guy, C.N., Park, J.G. A calculation of the effect of coaxial superconducting shields on the flux sensitivity of SQUID pick-up coils 4—37067
Guy, J.R.F. *see* Poelman, A.J. 4—44164, 4—53631
Guy, T., Grant, D. Complete DAC chip weds true monotonicity to 16-bit resolution 4—51320
Guyader, A.Le *see* Le Guyader, A.
Guyader, P. *see* Bertel, L. 4—56301
Guyomer, G., Fink, M., Coursant, R.H. Acoustical displacement reconstruction of axisymmetric transducers 4—56364
Guyot, C. Optoelectronic devices for unsolved detection problems 4—61402
Guyot, C. *see* Chase, R.L. 4—39426
Guyot, J.C. A near-infrared, high-power gas laser: the iodine laser 4—37325
Guzik, L. *see* Kwasnicki, S. 4—62498
Guzik, Z. *see* Baker, S.I. 4—33727
Guzina, B. Measurements of reverberation time using a microprocessor audio analyzer 4—44657
Guzinski, A., Wozniak, J. New universal active RC filter with retuned characteristics 4—35942
Guzman, A.M., Lee, J.E. Heat mount [magnetic] 4—37022
Guzzi, M. *see* Tarroni, F. 4—39171, 4—39172
Gvozdev, A.A. *see* Golikova, E.G. 4—52818
Gvozdeva, I.M. *see* Passokhin, A.A. 4—46523
Gwerder, F. Evaluation of electricity transmission line rating 4—45062
Gwinn, D. *see* Fisher, W.A. 4—33759
G.Wollitzer *see* Wollitzer G.
Gwozdz, P. *see* Downing, P. 4—52267
G.W.Rosenberg *see* Rosenberg G.W.
Gwynn, P. *see* Der, J. 4—45952
Gybels, J. *see* Suetens, P. 4—49283
Gyger, A., Kiener, P. Video transmission over symmetrical conductors 4—54610
Gyimothy, K., Csefalvay, M. Lightning arresters without spark gap, employing ZnO resistors, developed for use in networks and in other fields 4—34227
Gyimothy, K., Francois, C. Surge arresters 4—62243
Gyimothy, K., Francois, C., Csefalvay, M. Development of 5 kA network surge arrester in the research institute of the electrical industry 4—56676
Gyllenberg-Gastrin, U., Kuivalainen, P., Leppihalme, M., Isotalo, H. Optical and electrical properties of a-Si:H prepared by reactive sputtering 4—36289
Gyorfi, L. Adaptive linear procedures under general conditions 4—43011

Gysel, T., Koppl, G., Inderbitzin, B.H., Odermatt, K. Effect of earth faults in high voltage power systems on the medium voltage level 4—45149
Gyurcsek, I., Ring, G. Hungarian measuring instrument for the moisture-diagnostic checking of roofs 4—49049

Ha Bat Wong *see* Bat Wong Ha
Ha-Vinh Phuong Legal framework and regulatory provisions for nuclear activities 4—56747
Haaff, F.A.van *see* van Haaff, F.A.
Haag, H.-J. Non repetitive signal forms and singular measured values documented in X-Y representation 4—48940
Haag, H.-J. *see* Godde, J. 4—50563
Haak, R., Ogden, C., Tench, D., Di Stefano, S. Degradation in nickel-cadmium cells studied by impedance measurements 4—40388
Haakenstad, L.K. System development and validation testing: 757/767 electronic flight instrument system 4—49406
Haar, F.von der *see* von der Haar, F.
Haar Romeny, B.M.ter *see* ter Haar Romeny, B.M.
Haarmann, G. Synthesizer for millimetre waves 4—30091
Haarmann, G. GaAs-LSI circuits now realisable 4—36699
Haarmann, G. Simply constructed infrared remote controls 4—46589
Haarmann, G. *see* Colens, A. 4—52178
Haart, L.G.J.de *see* de Haart, L.G.J.
Haas, A.P.de *see* de Haas, A.P.
Haas, B. Study of gamma-rays emitted in heavy-ion fusion evaporation reactions 4—49085
Haas, E., Labes, M., Lockau, J. Behaviour of pipeline systems in genuine earthquakes—a comparison with calculations 4—56772
Haas, H.H. Satellite/terrestrial interfaces in telephony networks 4—54721
Haas, P. Secrets of cordless phones 4—48300
Haas, P., Haidinger, K., Rummich, E. Contribution to the dynamic behaviour of capacitor-excited asynchronous generator 4—62522
Haas, P.M., Jorgensen, C.C., Selby, D.L., Lowry, J.C. Methods for evaluation of nuclear power plant personnel training and entry level qualifications 4—62312
Haas, P.M. *see* Gray, L.H. 4—62313
Haas, P.M. *see* Siegel, A.I. 4—62306
Haas, R.A. *see* Henesian, M.A. 4—53081
Haas, U.L. *see* Nagel, H.-H. 4—43475
Haas, W.H., Liao, H.H., Schoknecht, W.E. Low-power fault-tolerant microprocessor-based distributed architecture for on-board signal processing 4—53788
Haas, W.H., Lindquist, C.S. An adaptive FFT-based detection filter 4—35975
Haas, W.H. *see* Lindquist, C.S. 4—41448
Haase, H.H. Compact cassette changer and its operation 4—38982
Hasse, H.-H. Nakamichi introduces [hi-fi] 4—38976
Haase, H.J. The new trend, now already realized [stereo TV] 4—38793
Haase, H.J. The future of videodisc 4—38852
Haase, H.J. The first portable Video 2000 installation 4—38853
Haase, H.J. The smallest and the lightest 4—38854
Haase, H.J. Hi-fi-sound from a video recorder 4—38855
Haase, H.J. A leading videorecorder 4—38856
Haase, H.J. The Denon DO-11F record player 4—38899
Haase, H.J. The ability to hear nonlinear distortions during the electroacoustic transmission of music 4—38925
Haase, H.J. 3-Headed Dragon from Japan [cassette tape deck] 4—44360
Haase, H.J. The ME40 measuring antenna-receiver 4—55614
Haase, H.J. Saticon—videocamera with advance technique 4—61025
Haase, H.J. Moving coils better than magnet systems? A comparison between the two systems 4—61132
Haase, H.-J. Colour cameras for amateurs reach high standards [Video recording of top quality] 4—38857
Haase, H.-J. Colour camera with constructive features. Report on the Hitachi VK-C850 4—38864
Haase, H.-J. An integrated sound level meter 4—39369
Haase, H.-J. One TV set, several standards 4—44217
Haase, H.-J. Stereo from audio/video socket. [Video recorder appraisal] 4—44276
Haase, H.-J. For indoors and outdoors [Fisher Betamax 330 video system] 4—44277
Haase, H.-J. Top of the line. [Hi-fi radio/cassette tape recorder characteristics] 4—44315
Haase, H.-J. Competition for Revox? [Akai GX-747 tape-spool unit performance tests] 4—44358
Haase, H.-J. Automatic selection of the working point in hi-fi cassette decks 4—48664
Haase, H.-J. Karaoke—sound for self expression 4—55100
Haase, H.-J., Baum, H.-J., Girschweiler, G. Has video become hi-fi capable? 4—38862
Haase, M. Power plant and municipal heating operation 4—45270
Haasen, P. *see* Zhu, F. 4—35530
Haasler, W. Is there an 'ideal' programmer? 4—51202
Haba, B. *see* Abernathy, C.R. 4—41073
Haba, I. *see* Ninomiya, Y. 4—48588
Haba, P. Response characteristic of a transducer with magnetic probe, with the permanent magnet moving at right angles to the probe axis 4—33241
Habekotte, E., Stallman, J. Several driving configurations with low-voltage input control for a planar power switch 4—36834
Habel, R. *see* Bartolini, L. 4—59425
Haber, F. *see* Yeh, C.C. 4—31793
Haberacker, P., Thiemann, R. The analytical evaluation of scenes in digitalised aerial pictures with the aid of tree structures 4—38077
Haberer, J.R., Karlovic, M.S. Military specification, qualification and testing of VLSI 4—52259
Haberger, K., Hoffmann, K., Forster, M., Ryssel, H. Simulation of the lithographic properties of ion-beam resists 4—41977
Haberger, K. *see* Ryssel, H. 4—41975
Haberle, D., Demtroder, P. Mobile plant with decontamination containers—MADEC 4—49698
Haberman, J.I. *see* Ghosh, A.K. 4—36348
Habert, D. *see* Hutin, N. 4—41363
Haberthur, B. VPI for Class H traction-motors 4—30877
Habib, J.M. *see* Gengler, R.H. 4—51629
Habib, M. *see* Chein, M. 4—46112
Habibollahzadeh, H., Bubenko, J., Sjelvgren, D., Andersson, N., Larsson, G. Optimization of operating policies in hydroelectric power systems 4—34494
Habibollahzadeh, H., Bubenko, J.A., Sjelvgren, D., Andersson, N., Larsson, G. Economic modeling of short-term hydro system operation 4—34089
Habiger, E. Electromagnetic compatibility (EMC)—characteristic values, safeguarding, testing 4—42878
Habiger, E. Electromagnetic compatibility in automation technology—a review 4—47632
Habiger, E. *see* Schonfeld, R. 4—36696
Habuka, T. Statistical estimation error of average received signal power in land mobile radio using two-branch selection diversity 4—43994
Habuka, T., Murota, K. Analysis of transmitting power control and adjacent channel interference characteristic in cellular land mobile communication systems 4—32701
Habuka, T., Murota, K. Analysis of transmitting power control and cochannel interference characteristics in cellular land mobile communication systems 4—60706
Haccoun, D. A branching process analysis of the average number of computations of the stack algorithm 4—47747
Haccoun, D. *see* Pau, P.-Y. 4—37873
Hachem, A. *see* Dalmasso, J. 4—39435
Hachen, H. *see* Chen, K.W. 4—37558
Hachino, H. *see* Misawa, Y. 4—30438
Hachtel, G.D. *see* Brayton, R.K. 4—51187
Hachtel, G.D. *see* Morrison, C.R. 4—36799
Hack, G.E. Universal counter function utilizing a shift register latch string 4—58422
Hack, M., Guha, S. Fundamental considerations of the efficiency of amorphous solar cells 4—57339
Hack, M., Guha, S., Shur, M. Dependence of photoconductivity on the dark Fermi level position in amorphous silicon alloys 4—59303
Hack, M., Shur, M. Intensity dependence of the minority-carrier diffusion length in amorphous silicon based alloys 4—36287
Hack, M., Shur, M.S. The role of boron profiling in enhancing the performance of amorphous silicon-based alloy p-i-n solar cells 4—45627
Hack, M., Shur, M.S. Theoretical studies of the electric field distribution and open-circuit voltage of amorphous silicon-based alloy *p-i-n* solar cells 4—50051
Hack, M. *see* Shur, M. 4—47043
Hack, M. *see* Shur, M.S. 4—52121
Hackam, R. *see* Pillai, A.S. 4—31574, 4—59064
Hackam, R. *see* Salama, M.M.A. 4—57124, 4—62244, 4—62245
Hackbarth, K.-D. A method for optimisation of multipath telecommunication transmission networks 4—47994
Hackett, B. *see* Cramer, J.C. 4—50234
Hackett, D.F. *see* Kumar, A.B.R. 4—56506
Hackett, D.P. *see* Vemuri, S. 4—56504
Hackett, L.H. *see* Yamasaki, H. 4—58548
Hackiewicz, H. *see* Majewska, T. 4—45777
Hackl, H. Mathematical-statistical procedure for optimizing pre-charge samples in semiconductor device fabrication 4—50580
Hackl, J. *see* Greiner, G. 4—60650
Hackstein, D. Time optimal 3-dimensional trajectory control 4—50146
Hackstein, H. Value added services within telecommunication networks 4—32602
Hackwood, S. *see* Beni, G. 4—48733
Hada, H. *see* Wada, T. 4—41973
Hadamovsky, H.F. *see* Elstner, L. 4—52060
Hadamovsky, H.-F. Development of semiconductor materials for microelectronic applications. II 4—30296
Hadamovsky, H.-F. Materials development for microelectronics. I 4—30703
Haddad, G.I. *see* Blakey, P.A. 4—51545
Haddad, G.I. *see* Mains, R.K. 4—36043, 4—58522
Hadden, H.B. A question of resolution 4—32896
Hadden, H.B. AM stereo: a listener's report 4—38764
Haddon, J. *see* Vilar, E. 4—47589
Hadel, J.J. The Eagle—a classic study in reliability growth 4—49349
Hadfield, M.J. *see* Adams, G.W. 4—61877
Hadj Amor, B.El *see* El Hadj Amor, B.
Hadjifotiou, A. *see* Farrington, J.G. 4—38598
Hadjipanayis, G. *see* Sellmyer, D.J. 4—30954
Hadjipanayis, G.C. Magnetic hardening in Zr-substituted 2:17 rare-earth permanent magnets 4—30955
Hadjipanayis, G.C., Hazelton, R.C., Lawless, K.R. Cobalt-free permanent magnet materials based on iron-rare-earth alloys 4—30952
Hadley, N.J. *see* Fuzesy, R.Z. 4—55831
Hadlock, D.E. *see* Brackenbush, L.W. 4—55921
Hadni, A. *see* Ungar, S. 4—61393
Hadzic, O., Gajic, L. Some applications of fixed point theorems for multivalued mappings on minimax problems in topological vector spaces 4—46153
Hae Song Sung *see* Sung Hae Song
Haeberli, W. Principles of production of H^- polarized ions 4—61656
Haeberli, W. *see* Kramer, D. 4—33623
Haegel, N.M., Haller, E.E., Luke, P.N. Performance and materials aspects of Ge:Be photoconductors 4—59311
Haegemans, A. *see* Suetens, P. 4—49283
Haelbich, R.P. Optimization of the optics matching a storage ring to an X-ray lithography camera 4—52159
Haelbich, R.P., Silverman, J.P., Warlaumont, J.M. Synchrotron radiation X-ray lithography 4—52012
Haelbich, R.P. *see* Silverman, J.P. 4—36377, 4—52155
Haeno, M. *see* Kanai, H. 4—44753
Haeren, R.Van *see* Van Haeren, R.
Hafeth, B.A., Abdul-Karim, M.A.H. Digital power meter using a non-linear ADC 4—55538
Hafex, H.M. *see* Cavers, J.K. 4—60722
Hafex, H.M. *see* Elhakeem, A.K. 4—32082
Hafez, A.F. *see* Somogyi, G. 4—55890
Hafez, H.M. *see* Elhakeem, A.K. 4—32116, 4—38128
Hafizi, B., Aamodt, R.E. Nonlinear orbits in free-electron lasers with a linear magnetic wiggler and a strong axial magnetic guide field 4—37264
Hafner, C., Ballisti, R., Klaus, G., Baggenstos, H. Computer Program Suite for calculation of electromagnetic fields 4—37517
Hafner, K. The great CPE shopping spree [computer peripheral equipment] 4—32502
Hafner, K. Westinghouse's microwave marvel 4—32677
Hafner, K. Temporary telephones [Olympinet] 4—48002
Hafner, K. Message moving [Olympics] 4—48029
Hafner, K. DP moves into datacom 4—54009
Hafner, K. The multifarious new empire of Cincinnati Bell 4—54096
Hafner, K. AT&T Communications 4—60304
Hafner, K. The RBOCs [US telecommunications] 4—60305
Haga, A. *see* Takenaka, T. 4—30850
Haga, K. *see* Kawamura, Y. 4—30872
Haga, K. *see* Obara, K. 4—31255
Hagan, C. Op amp phase-locks oscillators in dual-regulator switching power supply 4—50938
Hagan, M.T. A microcomputer-controlled experiment: root locus design 4—50353
Hagan, P.S. Frequency locking in Josephson point contacts 4—42303
Hagan, S.C. Test data automation—an ATE distributed processing application 4—46729
Hagberg, E. *see* Clifford, E.T.H. 4—61688
Hagedorn, F.B. *see* Bonyhard, P.I. 4—37037
Hagedorn, N.H. *see* Gahn, R.F. 4—40517
Hagedorn, P.J., Schumacher, H. The electromechanical tensioning device for overhead contact lines 4—50155
Hagelauer, R. Manually or computer-aided? [Gate-array design] 4—46412
Hagelstein, P.L. Resonantly-pumped soft X-ray lasers using ICF drivers 4—52864
Hagemaier, D.J. Application of eddy current impedance plane testing 4—58082

Hagemann, P.N. Electron microscopy and analysis at higher voltages: the Philips EM430 300 kV microscope 4—30290
Hagen, M.de *see* de Hagen, M.
Hagen, T., McKie, J., Slagt, E. The European UNIX network 4—43787
Hagena, O.F., Henkes, P.R.W., Klingelhofer, R., Krevet, B., Moser, H.O. Research at the IKVT/KFK related to the development of an H^- beam line 4—44673
Hagenauer, J. *see* Ungerboeck, G. 4—43857
Hagenberg, T.H.M. The microwave landing system 4—54917
Hagenbucher, H. Cast resin insulation replaces PCB in transformers 4—45478
Hagenmaier, G. Measuring instruments: to rent or to buy? 4—61173
Hagenmuller, P. *see* Andriamandroso, D. 4—59135
Hagenmuller, P. *see* Christin, F. 4—35511
Hagenmuller, P. *see* Levasseur, A. 4—45611, 4—62686
Hagenmuller, P. *see* Rossignol, J.Y. 4—35512
Hagenson, R.L., Husseiny, A.A., Keyvan, S. Coal-fired plant extension and modernization 4—62400
Hager, W.W. Condition estimates [matrix algebra] 4—40897
Hagermann, B. *see* Karlsson, K. 4—61776
Hagerty, D. Definition and technology combine to address market-specific controllers 4—41390
Hagerty, D.W. Reduced minimum load and cycling operation for older fossil units 4—49730
Hagfors, T. Electromagnetic wave propagation in a field-aligned-striated cold magnetoplasma with application to the ionosphere 4—31646
Hagg, P.-E. *see* Sihvola, A. 4—62291
Hagiescu Miriste, B. *see* Zaharescu, A. 4—33125
Hagihara, K., Suzuki, N., Tokura, N. Graph embedding on a three dimensional model 4—29364
Hagihara, K. *see* Manabe, Y. 4—52229, 4—57928
Hagihara, K. *see* Masuzawa, T. 4—29365
Hagihara, K. *see* Wada, K. 4—47083
Hagimoto, K. *see* Yamada, J. 4—54792
Hagino, H., Miyao, J. Recent technology and application of MBE 4—41055
Hagino, I. *see* Ohta, I. 4—51529
Hagisawa, T. *see* Sekine, M. 4—53633
Hagiwara, H. *see* Kawamata, T. 4—31020
Hagiwara, H. *see* Sugihara, K. 4—58754
Hagiwara, H. *see* Takei, K. 4—58753
Hagiwara, K. *see* Kanemaki, N. 4—54164
Hagiwara, M., Morita, Y., Utagawa, A., Handa, K., Fujimura, S., Oda, E. Development of new radiation-resistant and flame-retardant electric cable 4—59085
Hagiwara, M., Nakagawa, M. Performance of improved tangent type FM demodulator using digital signal processing 4—51055
Hagiwara, M. *see* Egusa, S. 4—36953
Hagiwara, N., Wada, T., Saegusa, T. A self balancing capacitance-voltage converter 4—55628
Hagiwara, S., Sakaguchi, J., Fujii, F. Combo-codec with phase locked loop circuits 4—58209
Hagiwara, T. *see* Honda, Y. 4—54529
Hagiwara, T. *see* Kume, H. 4—42139
Hagiwara, T. *see* Nabetani, S. 4—58322
Hagiwara, T. *see* Takada, E. 4—30808
Hagiwara, T. *see* Takeda, E. 4—36603, 4—36633, 4—52148
Hagiwara, T. *see* Yamaguchi, K. 4—36527
Hagiwara, Y. *see* Hara, H. 4—58372
Hagiyev, M.S., Ismailzade, I.H., Abiyev, A.K. Pyroelectric properties of $(Na_{1/2}Bi_{1/2}Z)TiO_3$ ceramics 4—47149
Haglon, C. New applications of the cycloconvertor 4—34778
Hagmann, D. *see* Beck, S. 4—30533
Hagmann, H.R. *see* Stemmler, H. 4—57211
Hagmann, M.J., Levin, R.L. Analysis of the helix as an RF applicator for hyperthermia 4—39583
Hagmann, W., Rhodes, S., Fang, R. International business communications via Intelsat *K*-band transponders 4—32786
Hagmann, W.C. Carrier synchronizer for overlapped raised cosine pulse amplitude modulation 4—53367
Hagn, G.H. *see* Harnish, L.O. 4—32650
Hagstrom, U. Minor power supply interruptions stop large computers 4—34136
Hagstrom, U. The Swedish Telecommunications Administration permits cordless telephones 4—38350
Hague, C.A., Uhrig, T.A. Dynamic contact resistance and film thickness of relay contacts coated with fluoropolymer thin films 4—41662
Hahle, F. Frequency-analogue strain measurement 4—44496
Hahn, A.A. *see* Moe, M.K. 4—33634
Hahn, E. *see* Pasztor, G. 4—48873
Hahn, H. Grundig VG 1000 professional video generator 4—39203
Hahn, H. Protective measures on safety and communication equipment on d.c. and a.c. railway duty 4—57795
Hahn, H. *see* Barton, M.O. 4—39376
Hahn, H. *see* Healey, D.J., III 4—33140
Hahn, J.C. The recovery and restoration of PCM data 4—47638
Hahn, K.J., Wong, K.M. Medium filtering of cepstra 4—31990
Hahn, O.J. Cleanup of hot coal gas 4—35091
Hahn, P.G. VLS hatch actuation system dynamic analysis 4—46022
Hahn, P.O., Henzler, M. The Si-SiO_2 interface: correlation of atomic structure and electrical properties 4—41906
Hahn, P.O., Yokohama, S., Henzler, M. Dependence of interface state density on the atomic roughness at the Si-SiO_2 interface 4—51909
Hahn, S. *see* Elwell, D. 4—51752
Hahn, T. *see* Kwon, T.M. 4—39260
Hahn, W. *see* Bahde, C. 4—44976
Hahn Song-yop *see* Song-yop Hahn
Hai, F., Paschen, K.W. DC partial discharge/environmental test screening of space TWTs 4—36228
Hai, M.A. *see* Husain, S.R. 4—39627
Hai Yu Chun *see* Yu Chun Hai
Hai-Lan Zhang *see* Zhang Hai-Lan
Hai-ping Miao *see* Miao Hai-ping
Haibara, H. *see* Hoshino, Y. 4—62854
Haibara, T. *see* Matsumoto, M. 4—52603
Haidar, A.R. *see* Chaudhry, M.A. 4—59053
Haidara, M., Atten, P. Role of EHD motion in the electric conduction of liquid in a divergent field (blade plane geometry) 4—52317
Haider, F. Microcomputer for full duplex transmission 4—35844
Haideri, A.Q. *see* Erickson, C.J. 4—57655
Haidinger, K. *see* Haas, P. 4—62522
Haidmayer, R. *see* Tiedt, N. 4—44704
Haifang Qiu *see* Xue Ronghua 4—48056
Haigh, J., O'Brien, S. The mechanism of the growth of InP by MOCVD: an investigation of the pyrolyses of some group III metal-organics 4—50785
Haight, C.H. *see* Tower, M.M. 4—42800
Haight, J. GaAs logic characteristics result in integration problems 4—51115
Haight, J. Floating point hardware for digital signal processing 4—53778
Haight, J.D. *see* Eldon, J.A. 4—51312
Hailin Yuan *see* Yuan Hailin
Hailong Wang *see* Wang Hailong
Haim, M. *see* Zonnenshain, A. 4—46023
Haimerl, M., Kreeb, H. A new TWT cooling concept 4—41785
Haimes, A.R. The shape of videotex systems today and tomorrow 4—54212
Hain, J.A., Martin, F.W. Polymer thick film for high reliability applications 4—51557
Hain, K. *see* Trumper, H. 4—45761
Haine, J. Principles of cellular mobile telephony 4—38462
Haines, T.J. *see* Jones, T.W. 4—55811
Haining, F.W., Shaul, R.F. Computer aided manufacturing of high density printed circuit boards 4—46728
Haining, R.W. *see* Davis, Q.V. 4—60681
Haire, M. *see* Rameika, R. 4—33678
Haire, M. *see* Wagoner, D.E. 4—33676
Haishu Ding *see* Ding Haishu
Haislmaier, R.J. *see* Garrett, J.E. 4—37632
Haitao Chen *see* Chen Haitao
Haixin Zou *see* Zou Haixin
Hajdu, E. *see* Jardan, R.K. 4—49981
Hajdu, I., Banlaki, P., Pinkola, J., Toth, E. Methods of checking printed circuits 4—51632
Hajdu, I. *see* Toth, E. 4—51633
Hajek, J. The 555 integrated timer 4—41529
Hajek, K. Band-pass filter with simple tuning 4—46572
Hajj, I.N. A note on a theorem on the summation of driving-point and transfer network impedances 4—35571
Hajj, I.N., Saab, D. Fault modeling and logic simulation of MOS VLSI circuits based on logic expression extraction 4—36894
Hajj, I.N. *see* Chia, W.K. 4—35726
Hajj, I.N. *see* Rao, V.B. 4—30778
Hajos, Z. The design of delay lines with the aid of all-pass networks 4—35711
Hajto, E. *see* El-Shabasy, M. 4—50849
Hakalahti, H., Harwood, D., Davis, L.S. Two-dimensional object recognition by matching local properties of contour points 4—53889
Hakamada, T. Analysis of Weibull distribution for electrical breakdown voltage of stator windings 4—45386
Hakamada, Y., Suto, K., Tsuyuki, S. Bandwidth design and operating condition adjustment of high-speed digital optical repeaters 4—48474
Hakamada, Y., Tsuyuki, S., Suto, K.-i. Design and performance of the F-400M repeatered line 4—38621
Hakanen, M., Jaakkola, T., Korpela, H. Simultaneous determination of ^{241}Pu, ^{238}Pu and $^{239,240}Pu$ in low activity environmental samples 4—56025
Hakata, H. *see* Nagata, M. 4—57608
Haken, H. *see* Wang, Z.C. 4—52830, 4—52831, 4—52832
Hakey, M.C. *see* Badami, D.A. 4—36715
Hakimi, S.L. *see* Esfahanian, A.H. 4—40957
Hakimmashhadi, H. *see* Yamayee, Z.A. 4—62118
Hakoi, N. *see* Shiota, H. 4—34798
Halal, W.E. Strategic management: the state-of-the-art and beyond 4—45909
Halawa, T., Kaczmarek, M., Kalinowski, T. Stimulation of the desired load curve for industrial enterprise 4—56415
Halawa, T., Tymes, E. The possibility of obtaining the regulating power in electric power system 4—56801
Halawani, T.U., Kolodziej, W.J., Mohler, R.R. On a suboptimal nonlinear filter 4—47888
Halawani, T.U., Mohler, R.R., Kolodziej, W.J. A two-step bilinear filtering approximation 4—43336
Halbach, K. *see* Orzechowski, T.J. 4—47368
Halbach, R.E. *see* Battocletti, J.H. 4—44728
Halberg, F. *see* del Pozo, F. 4—49131
Haldemann, A. Saint Chrischona multipurpose station [radio station] 4—60658
Hale, C.K. A new tool for evaluating equipment quotations [economic evaluation] 4—40767
Hale, C.K. Experience with 345 kV GIS 4—45570
Hale, G. *see* Rameika, R. 4—33678
Hale, G. *see* Wagoner, D.E. 4—33676
Hale, J. A method for testing automatic exposure controls in diagnostic radiology: three phase generators 4—61770
Hale, K.F. Optical fibres sensors for inspection monitoring 4—55668
Hale, L.P. *see* Lyons, A.M. 4—59010
Hale, P.N., Jr., Bruley, D.F., Schubert, R.W., Schweitzer, J.R., Ranu, H.S. Activity-oriented functional assessment of the handicapped 4—49126
Hale, W.J. Dynamic business model of a videotex service operation 4—48122
Halevy, S., Heidbreder, G.R., Mensa, D.L. Efficient range-Doppler imaging of rotating targets 4—54856
Haley, R., Wold, R.A., Michels, F.B. Heat shrinkable products for electronics 4—35297
Halfin, S. The backlog of data in buffers with variable input and output rates 4—47937
Halford, C.E. *see* Sartain, R.B. 4—57804
Halimi, M., Castanie, F. A comparison of several optimal random quantization algorithms for correlation estimation 4—53724
Halkyard, J.E., Liu, S.-L. Coupled vs. uncoupled analysis for the determination of TLP tendon loads 4—62902
Halkyard, M.S., Naik, V.K. Simulation of the Buffer Insertion Ring local area network 4—32435
Hall, B.F. *see* Melloch, M.R. 4—52428
Hall, D., Ritter, W., Poletto, E. Applying data security to the videotex industry 4—48119
Hall, D.C., Thomas, B.G. A financial model for publicly-owned electric utilities 4—56430
Hall, D.R. *see* Baker, C.J. 4—52906
Hall, D.R. *see* He, D. 4—42526, 4—42529, 4—52901
Hall, D.S., Shinmoto, S. A computer-controlled travelling flux detector system for CANDU reactors 4—34340
Hall, D.W., Weber, M.J. Modeling gain saturation in neodymium laser glasses 4—59482
Hall, G. Ionisation energy losses of highly relativistic charged particles in thin silicon layers 4—39415
Hall, H.V., Kadeg, R., Rossi, A. A comparative study of inputs and outputs of fluidized bed coal fired boilers and pulverized coal fired boilers 4—49759
Hall, J. Improve plant efficiency with direct mass flow measurements. Improved flowmeters and microprocessor-based flow computers simplify the job 4—33539
Hall, J. Pressure sensing is on the move 4—48860
Hall, J.P., Whatmore, R.W., Ainger, F.W. A black platinum catalyst/pyroelectric gas sensor 4—30939
Hall, J.R., II *see* Campbell, G.K. 4—35262
Hall, K.G. Railway applications of ultrasonic wave visualisation techniques 4—29557
Hall, K.G. Performance and quality control of ultrasonic probes [for railway industry] 4—41121
Hall, L. Mosaic system template filter algorithms for events with changing velocities 4—61250
Hall, L. *see* Ljunge, L. 4—39647
Hall, M., Jr., Wilkinson, J. Ternary and binary codes for a plane of order 12 4—35373
Hall, M.P.M. A review of the application of multiple-parameter radar measurement of precipitation 4—49455
Hall, M.P.M., Goddard, J.W.F., Cherry, S.M. Identification of hydrometeors and other targets by dual-polarization radar 4—49462
Hall, M.P.M. *see* Yilmaz, U.M. 4—33451
Hall, P.M. Strain measurements during thermal chamber cycling of leadless ceramic chip carriers soldered to printed boards 4—57839
Hall, P.S. Wideband microstrip antenna arrays 4—37779
Hall, P.S. Bandwidth limitations of log-periodic microstrip patch antenna arrays 4—42966
Hall, P.S., James, J.R. Crosspolarisation behaviour of series-fed microstrip linear arrays 4—53312
Hall, P.S. *see* James, J.R. 4—37781

Hall, R. *see* Crowcroft, J. 4—54428
Hall, R.C. *see* Heap, S. 4—60418
Hall, R.C. *see* Mittra, R. 4—47581
Hall, R.N. HP Ge: purification, crystal growth, and annealing properties 4—29443
Hall, R.W. *see* Moore, P.W.B. 4—54906
Hall, T. Satellite television comes to British cable networks 4—38762
Hall, T. Cable TV in the Netherlands 4—38840
Hall, T.A. Taking pictures a hundred million times a second 4—41787
Hall, T.J. *see* Scivier, M.S. 4—60189
Hall, W. *see* Megie, G. 4—61932
Hall, W.C., Haugen, P.N., Stahl, K.J. An overview of the media/cartridge concept for a high-performance optical storage subsystem 4—44269
Hallais, J. *see* Horstman, R.E. 4—41879
Hallam, K.L. *see* Weistrop, D. 4—61245
Hallberg, R., Engvall, A.-G., Wadsten, T. Corrosion of copper lightning conductor plates 4—62238
Halle, H., Pohl, A. Numerical field computation—a modern computation method for electric machines 4—57052
Halle, S. *see* Brewer, P. 4—58862
Haller, E.E. *see* Amendolia, S.R. 4—49068
Haller, E.E. *see* Haegel, N.M. 4—59311
Haller, E.E. *see* Lange, A.E. 4—61392
Haller, E.E. *see* Palaio, N.P. 4—30512, 4—61394
Haller, E.E. *see* Pearton, S.J. 4—30518, 4—33707
Haller, H.R. *see* Schiavone, L.M. 4—52539
Hallett, A.J.H. Simple and optimal extrapolations for first order iterations 4—50713
Hallett, A.J.Hughes *see* Hughes Hallett, A.J.
Hallgren, A. *see* Eek, L.O. 4—49069
Hallikainen, M. Long-distance mapping with radio waves 4—33977
Hallin, A. *see* Bolton, R. 4—55816
Halliyal, A., Safari, A., Bhalla, A.S., Newnham, R.E., Cross, L.E. Grain-oriented glass-ceramics for piezoelectric devices 4—47150
Halliyal, A. *see* Ting, R.Y. 4—39750
Hallman, B.L. *see* Cook, P.A. 4—40278
Hallnor, G. *see* Swartzlander, E.E., Jr. 4—51468
Hallock, D., Ishaq, M.H., Ryan, J. Silicide stack with improved adhesion properties 4—30563
Hally, M.L. A utility wind energy programme—findings and conclusions 4—34548
Halman, I.A. *see* Powell, S.J. 4—33514
Halme, A. *see* Manninen, M. 4—55689
Halpenny, J. A method of editing time series observations 4—53609
Halpeny, O. *see* Brown, D. 4—32120
Halperin, A. *see* Katz, S. 4—30852, 4—30853
Halperin, B.I. *see* Hensel, J.C. 4—30453
Halperin, H.R., Levin, H.R., Tsitlik, J.E. Integrated real-time data acquisition and control system 4—49132
Halpern, B.M., Mayes, P.E. The monopole slot as a two-port diversity antenna for UHF land-mobile radio systems 4—60700
Halpern, S.W. Alternatives in cellular system design for serving portables 4—60732
Halpern, S.W., Feggeler, J.C., Macdonald, V.H., Whitehead, J.F. Adjacent- and co-channel interference in large-cell cellular systems 4—38492
Halpert, G. Past developments and the future of nickel electrode cell technology 4—40380
Halpin, N.P. *see* Curzon, F.L. 4—42441
Halpin, T.F., Fischl, R., Fink, R. Analysis of automatic contingency selection algorithms [power system analysis] 4—45003
Halporn, A.D., Jr. *see* Cummings, R.C. 4—49767
Halprin, A.P. Prospects for telecommunications competition 4—38133
Halse, B., Otterlei, H. TELE-X—a multimission satellite communication programme for the Nordic Countries 4—60782
Halser, K., Heymann, G. Semiconductor etching in a gas-discharge 4—41983
Halter, J.A. Assessment of spinal cord function via epidural electrodes 4—49133
Halton, D., Loughhead, B. The computer takes control [of stored program control systems] 4—54547
Haltsonen, S. An endpoint relaxation method for dynamic time warping algorithms [speech recognition] 4—53514
Halverson, D.R., Griswold, N.C., Wise, G.L. A generalized block truncation coding algorithm for image compression 4—53902
Halverson, D.R., Wise, G.L. Asymptotic memoryless discrete-time detection of ϕ-mixing signals in ϕ-mixing noise 4—43318
Halverson, D.R., Wise, G.L. Approximately optimal memoryless detection of random signals in dependent noise 4—43320
Halverson, J.E. A review of applications of mass spectrometry to low level radionuclide metrology 4—56019
Ham, D.M.van *see* van Ham, D.M.
Ham, R.J. *see* Olsen, K.H. 4—35856
Ham, W.T., Jr., Mueller, H.A., Ruffolo, J.J., Jr., Guerry, R.K., Clarke, A.M. Ocular effects of GaAs lasers and near infrared radiation 4—56206
Hama, K., Sakai, H., Fujita, T., Yoshida, S., Sato, T. The M4870 large-capacity fixed-disk drive 4—59144
Hama, S. *see* Saburi, Y. 4—44198
Hamacher, V.C. *see* Zaky, S.G. 4—32415
Hamada, H. *see* Okabe, K. 4—49307
Hamada, K. *see* Wada, M. 4—31390
Hamada, M. Research activity at MIT [speech recognition and synthesis] 4—31918
Hamada, M., Fukushima, S., Suenaga, T., Itoh, K., Ogawa, S. A new lubrication for high-density magnetic-coated disk 4—31016
Hamada, T., Kuni, A., Yoshimura, K., Makihira, H. Pattern inspection techniques for SEM image 4—53845
Hamada, T. *see* Abe, K. 4—62837
Hamadeh, S. *see* Moses, A.J. 4—33409
Hamaguchi, C., Miyatsuji, K., Hihara, H. A proposal of single quantum well transistor (SQWT). Self-consistent calculations of 2D electrons in a quantum well with external voltage 4—30622
Hamaguchi, C. *see* Mori, T. 4—30319
Hamaguchi, H. *see* Wada, O. 4—31178
Hamaguchi, T. *see* Egami, K. 4—41812
Hamajima, T. *see* Yamaguchi, M. 4—42313
Hamakawa, Y., Takakura, H. 'Bio-productive' solar photovoltaic generation in space 4—50080
Hamakawa, Y. *see* Fujimoto, F. 4—58043
Hamakawa, Y. *see* Fujimoto, K. 4—40457
Hamakawa, Y. *see* Kojima, M. 4—50810
Hamakawa, Y. *see* Nishino, T. 4—46806
Hamakawa, Y. *see* Noda, M. 4—46888
Hamakawa, Y. *see* Oishi, Y. 4—52815
Hamakawa, Y. *see* Okamoto, H. 4—30363
Hamakawa, Y. *see* Okuda, K. 4—45664
Hamakawa, Y. *see* Okuyama, M. 4—29518
Hamaker, W., Stein, S. Combinatorial packings of R^3 by certain error spheres 4—43104
Hamal, K., Kabelka, V., Kubecek, V. Direct measurements of the duration and shape of picosecond pulses emitted by an optical parametric oscillator 4—42713
Hamal, K. *see* Jelinkova, H. 4—31412
Haman, Y. *see* Aidan, M. 4—35061
Hamamoto, N. *see* Sato, N. 4—32673
Hamann, C. *see* Scharff, W. 4—29512, 4—41061
Hamann, C. *see* Verzimacha, Ya.I. 4—34887
Hamann, W., Schmidt, H.-G. Health precautions for the use of mineral oil based insulation liquids 4—36952
Hamasaki, K., Matsumoto, K., Kodaira, Y., Komata, T., Yamashita, T. Properties of nm bridge on edge junction 4—42302
Hamasaki, K. *see* Kobayashi, T. 4—47215
Hamasaki, T., Ueda, M., Chayahara, A., Hirose, M., Osaka, Y. Effect of annealing on hydrogenated amorphous silicon prepared at high deposition rate 4—30355
Hamasaki, T., Ueda, M., Chayahara, A., Hirose, M., Osaka, Y. New mode of plasma deposition in a capacitively coupled reactor 4—41078
Hamasaki, T., Ueda, M., Hirose, M., Osaka, Y. High-rate deposition of a-Si:H using SiH_43 4—41104
Hamasaki, T. *see* Hirose, M. 4—29535
Hamasaki, Y. *see* Asaeda, T. 4—57185
Hamata, V. The analysis of basic causes of noise generation of single-phase induction motors 4—56989
Hamata, V., Heller, B. The influence of irregular air gap length upon composition of space harmonics in induction machines 4—56988
Hamatani, T. *see* Yamazaki, S. 4—62704
Hamatsuki, T. *see* Takahashi, S. 4—52348
Hamaya, S. Analysis of the stability of oscillation modes in parallel-running oscillators 4—58191
Hamazaki, H. *see* Sogawa, E. 4—51093
Hamazaki, Y. *see* Okada, Y. 4—51092
Hamberg, I., Granqvist, C.G. Optical properties of transparent and heat-reflecting indium tin oxide films: the role of ionized impurity scattering 4—31089
Hambley, A., Tanaka, O. Generalized serial MSK modulation 4—37824
Hambley, D.T. An automatic test system for PCM modules 4—48328
Hambley, D.T. Automatic testing in telecom manufacturing 4—61226
Hambrecht, F.T. Natural and artificial sensors in neural prostheses 4—61826
Hamby, L.S. X.25 conversion supported by PAD function 4—32329
Hamdan, A.M.A. Torque-angle loops in multimachine power systems 4—49519
Hamdi, A.H. *see* Wilson, S.R. 4—51750, 4—58715
Hamdi, H. *see* Deneuville, A. 4—50803
Hamdy, E., Mohsen, A. Characterization and modeling of transient latchup in CHMOS technology 4—36858
Hamdy, E. *see* Mohsen, A. 4—51193
Hamed, A.M. Recognition of coloured objects using thick holographic multiplexed filter (THMF) 4—31518
Hamed, A.M., Nomarski, G. Aberration studies utilising an opto-electronic coherent microscope 4—42419
Hamel, C.J. *see* Bergeron, R.J. 4—52033
Hamel, W.R., Martin, H.L. Robotics-related technology in the nuclear industry 4—56733
Hamelin, J. *see* Fournier, J.F. 4—56246
Hamelin, J.-M., Texier, A. Teletel servers: A panoramic view 4—38256
Hamer, C.A., Spoonhower, J.P. Spectroscopic frequency calibration of tunable dye lasers 4—42575
Hamer, M. *see* Youett, C. 4—38478
Hamer-Hodges, K.J. *see* Cohen, R. 4—54569
Hamersveld, E.van *see* van Hamersveld, E.
Hamid, M. Basic principles of microwave power heating 4—40608
Hamil, R.A. *see* Woodworth, J.R. 4—62664
Hamilton, D.R., Evans, C.D. A quality assurance survey of scintillation cameras and dose calibrators 4—49169
Hamilton, G. *see* Ahmad, N. 4—50539
Hamilton, G.L. *see* Brofman, P.J. 4—29260
Hamilton, G.W. *see* Goebel, D.M. 4—61616
Hamilton, H.E. Parallel memory testing 4—51204
Hamilton, H.H., II *see* Petley, D.H. 4—44801
Hamilton, P.A. *see* Davies, P.B. 4—59434
Hamilton, R. Synchronised electrical machines: improved usability and efficiency 4—57084
Hamilton, S.B., Jr. PCB health effects 4—36967
Hamm, M.E. *see* Hsu, H.H. 4—39446
Hamm, M.E. *see* Moss, C.E. 4—39429
Hamm, S.D., Beckerich, S.R. VAMOS:circuit simulation program for a vector computer 4—36910
Hammad, A.E., El-Sadek, M., Dash, P.K. Application of static VAr compensators and HVDC converters for damping subsynchronous oscillations in power systems 4—57215
Hammam, M.S.A.A. *see* Ortmeyer, T.H. 4—62638
Hammel, S.E., Aidala, V.J., Gong, K.F., Lindgren, A.G. Recursive versus batch processing algorithms for bearings-only tracking 4—60934
Hammer, A. *see* Heller, D. 4—44157
Hammer, B., Tengler, W. Transform coding of digitized image signals 4—43454
Hammer, E.E. Fluorescent lamp starting voltage relationships at 60 Hz and high frequency 4—57505
Hammer, E.E. Fluorescent system performance of F40 T12 and smaller lamp diameters 4—57506
Hammer, E.E., McGowan, T.K. Characteristics of various F40 fluorescent systems at 60 Hz and high frequency 4—57519
Hammer, M.F. *see* Glesius, F.L. 4—34338
Hammer, P. Proximity switches—a look at current technology 4—51587
Hammer, R. *see* Hollis, R.L. 4—35527
Hammer, R.B. *see* Ameen, J.G. 4—36152
Hammond, J. Getting electric vehicles on the road 4—45711
Hammond, J.K., Harrison, R.F. Modelling and deconvolution of nonstationary acoustic signals from moving sources using a covariance equivalent formulation 4—60078
Hammond, J.K. *see* Davies, P. 4—60096
Hammond, J.L. *see* Liu, S. 4—53958
Hammond, J.L., Jr. *see* O'Reilly, P.J.P. 4—38288
Hammond, P.W. A universal controller for parallel pumps with variable frequency drives 4—34972
Hammond, P.W. *see* Cuffe, S.S. 4—57654
Hammond, R.B., Paulter, N.G., Wagner, R.S. Observed circuit limits to time resolution in correlation measurements with Si-on-sapphire, GaAs, and InP picosecond photoconductors 4—52763
Hammond, R.B., Paulter, N.G., Wagner, R.S., Eisenstadt, W.R. Integrated picosecond photoconductors produced on bulk Si substrates 4—59302
Hammond, R.B., Wagner, R.S., Paulter, N.G. InP:Fe picosecond photoconductors 4—59334
Hammond, R.B. *see* Eisenstadt, W.R. 4—58974
Hammond, R.B. *see* Kania, D.R. 4—42454, 4—55841
Hammond, R.B. *see* Nunnally, W.C. 4—42477, 4—59330
Hamori, J. *see* Galamb, I. 4—45773
Hamou, A. *see* Fleury, G. 4—46827
Hampson, N.A. *see* Hughes, M. 4—40372
Hampson, N.A. *see* Marshall, W.G. 4—45603
Hampton, F.L. *see* Speilberger, R.K. 4—58649
Hampton, M.L. *see* Modugno, E.J. 4—59906
Hampton, M.L. *see* Ohlms, D.E. 4—53712
Hamrick, J.T. Development of wood-burning gas turbine systems 4—62407
Hamstra, G.H., Peper, A., Grimbergen, C.A. Low-power, low-noise instrumentation amplifier for physiological signals 4—39568
Hamza, M.H. *see* Agathoklis, P. 4—56433
Hamzaoui, S. *see* Labrune, M. 4—36997
Hamzeh, A. Operation problems of the electric energy supply network of the Syrian Arabic Republic 4—44984
Han, B.S. *see* Kim, D.Y. 4—41457
Han, C.C. *see* Ferendeci, A.M. 4—41769
Han, H. *see* Aziz, A.K. 4—57986
Han, H. *see* Berger, A.E. 4—46195
Han, K., Hayashi, K., Ueda, M. Extension of regenerative braking region by polarity reversion type chopper 4—40550

Han, K.S., Nam, S.H., Lee, J.H. High power blue-green laser by hypocycloidal-pinch plasmas 4—42579
Han, S., Sahni, S. Single-row routing in narrow streets 4—51102
Han, S.-P., Mangasarian, O.L. Characterization of positive definite and semidefinite matrices via quadratic programming duality 4—35381
Han, W.K., Hemmati, F. Punctured PN codes 4—43093
Han, Y.P. *see* Kertis, R.A. 4—58336
Han, Y.-P. *see* Rathnam, S. 4—36628
Han Denglong *see* Sha Guohe 4—37316
Han Hanmin *see* Jiao Zhengkuan 4—42306
Han Jianru *see* Chen Fusheng 4—35469
Han Jo Lim *see* Sang Koo Chung 4—47650
Han Kyu Park *see* Sang Ho Lee 4—47262
Han Kyu Park *see* Young Soo Kim 4—47698
Han Lee Chung *see* Chung Han Lee
Han Qingyuan, Zhao Bolin Measurement of the millimeter wave band microwave dielectric constants of the substance of Earth surface 4—44899
Han Quansheng, Zhang Zhiguo Independently tunable two-wavelength narrow-band dye laser 4—59460
Han Shaoping, Qin Yi, Pan Chengzhi, Hou Qiguo, Liu Xiuyun Effects of pumping pulse width in pulsed optically pumped FIR laser 4—59413
Han Shu *see* Huang Huizhi 4—42316
Han Zhimin On 'Design and calculation of power supply circuit for a L-C constant-current charge' 4—58144
Han-chun Wang *see* Wang Han-chun
Han-fei Li *see* Li Han-fei
Han-li Wang *see* Wang Han-li
Han-nan Hu *see* Hu Han-nan
Han-Ru Shao *see* Shao Han-Ru
Han-Sheng Lee A current conduction mechanism in laser recrystallized silicon metal-oxide-semiconductor transistors 4—36608
Hanabe, K., Suzuki, K., Katayama, T. Facsimile storage and conversion equipment in FICS-2 4—38230
Hanabe, K. *see* Masaki, S. 4—54189
Hanabe, K. *see* Mochizuki, T. 4—54187
Hanada, T. *see* Hayashi, M. 4—62800
Hanafi, H.I., Krauter, B.L. Vertically integrated load resistor for MOS static RAM cells 4—46469
Hanafusa, H. *see* Iijima, T. 4—31022
Hanak, D. Comparison of measurements of the transient state of a steam generator in a nuclear power station of the VVER type using the VZSKG dynamic mathematical model 4—45220
Hanaki, S. *see* Temma, T. 4—33208
Hanamura, S., Aoki, M., Masuhara, T., Minato, O., Sakai, Y., Hayashida, T. Operation of bulk CMOS devices at very low temperatures 4—30790
Hanamura, S., Kuwayama, H. Voice mail system 4—54544
Hanawa, F. *see* Chida, K. 4—52591
Hanawa, K. *see* Nakagawara, K. 4—43886
Hanazawa, T., Kato, O., Shimada, S. Data channel multiplexer system design 4—38407
Hanazawa, T., Uesaka, H., Ochiai, A. System design of 800 MHz band land mobile pay telephone 4—54636
Hanazawa, T. *see* Ochiai, A. 4—54637
Hanazono, M. *see* Misawa, Y. 4—30438
Hanazono, M. *see* Tamahashi, K. 4—41083
Hanbucken, M., Neddermeyer, H., Venables, J.A. Surface cleaning of Si(100) and Ag/Si(100): characterisation by SEM, AES and RHEED 4—30551
Hancock, B.R., Kroemer, H. Relation between growth conditions and reconstruction on InAs during molecular beam epitaxy using an As_2 source 4—50817
Hancock, F. *see* Grobmyer, W.P., Sr. 4—49782
Hancock, J.C. *see* Page, R.H. 4—40750
Hancock, J.L. *see* Smith, D.J. 4—48709
Hancock, T.P. Tri-service management plan for the development and acquisition of GPS range equipment 4—38737
Hancox, N.L. Some properties of epoxy resins used for filament winding and preimpregnating fibres 4—36955
Hand, J.W., Dickinson, R.J., Dunlop, P.R.C., Johnson, R.H. A microwave system for localised hyperthermia 4—39608
Hand, J.W. *see* Johnson, R.H. 4—39611
Handa, K. *see* Hagiwara, M. 4—59085
Handa, N., Ogiso, Z. Evaluation of natural circulation in fast reactor JOYO 4—56781
Handel, P.H. *see* van der Ziel, A. 4—58683
Handl, K.-H. District heating system of Beznau power station and foundation of Refuna AG 4—34277
Handler, G.J. Local packet transport planning: videotex and beyond 4—38382
Hands, D.L. Off-loading fault isolation from large testers to low cost digital test stations 4—57811
Handschin, E. The effects of the export of electrical energy on reserves 4—62035
Handwerker, C.A., Morris, P.A., Coble, R.L., Gabbe, D.R., Howard, R.T. Characterization of low alpha-particle emitting ceramics 4—59102
Handy, E.R. *see* Kung, R.I. 4—51247
Handy, R. *see* Rodriguez, B.A. 4—29680, 4—35648
Hane, G.J., Hauser, S.G., Williams, T.A., Abarcar, R. Innovative industrial materials processes 4—40639
Hane, K. *see* Sakai, T. 4—47032
Hane, T. *see* Okamura, S. 4—44572
Haneji, N., Asada, K., Sugano, T. Microcomputer-based avalanche injection system and determination of distributed area density of traps in SiO_2 film 4—58882
Hanel, U. *see* Richter, W. 4—51592
Hanell, S., Bartholome, P. The European communications satellite (ECS) 4—38583
Hanes, H.D. Spent nuclear fuel rods encapsulated in copper 4—45236
Hanes, L.K. *see* Ayasli, Y. 4—36051
Hanes, R.B., Westall, F.A., Goody, C. A 16-kbit/s speech coder using a single DSP device 4—53564
Hanes, R.B. *see* Westall, F.A. 4—43835
Haney, E.A. *see* Flegal, W.M. 4—52636
Hang, H.-M., Woods, J.W. Near merging of paths in suboptimal tree searching 4—47757
Hang, K.W., Prabhu, A.N., Andrus, J., Boardman, S.M., Onyshkevych, L.S. Low expansion porcelain-coated copper-clad invar substrates 4—36163
Hang Chengfang A solution method for decision problem 4—57907
Hang Jishi 6 metre earth station for Chinese DOMSAT system 4—54724
Hang Zhu *see* Zhu Hang
Hangartner, R. *see* Jain, V.K. 4—53486
Hanguang Shao *see* Shao Hanguang
Hanh, N., Asavinei, I. Method and instrumentation for the measurement of instantaneous speed of temperature variation 4—48878
Haniger, L. *see* Kott, J. 4—56727
Hanisch, K.H., Stoyan, D. Once more on orientations in point processes 4—50641
Hanita, A., Tari, M., Ito, K., Nagano, S., Katsuki, K., Gocho, Y., Doi, S. Technical overview through development of the largest scale turbine-generator model with full water cooling 4—56934
Hank, S.A. *see* Vu, T.T. 4—29781
Hanka, S. *see* Lee, G. 4—29823
Hanka, S.A. *see* Vu, T.T. 4—35746
Hankey, D.L., Fisher, C.K. Development of a novel resistor system for nitrogen firing applications [thick film resistors] 4—58559
Hanks, G. Recording studio consoles and film production. II 4—33050
Hanley, P.R. Physical limitations of ion implantation equipment 4—36444
Hanlon, P.J. *see* Taylor, S.S. 4—35885
Hanmer, O. Switched reluctance motor drive systems 4—56950
Hanmin Han *see* Han Hanmin
Hann, C.A. The associative comparator: adds new capabilities to ESM signal processing 4—30673
Hanna, W.A. *see* Rasset, T.L. 4—49404
Hanna, W.J. *see* Fuller, J.F. 4—62220
Hanna, W.T., Lane, M.L., Whitney, L.T. Industrial applications for waste heat powered temperature booster 4—40673
Hannah, R. *see* Stillman, R.H. 4—62158
Hannakamm, L., Khadembaschi, A.R. Contribution to the analytical field calculation of a claw pole machine 4—45426
Hannam, B. Keyphones key facts 4—38341
Hannemyr, G. Human-factors standards: the design of conceptual language interfaces to open computer network application and management systems 4—60500
Hanni, S. The small-capacity, analogue multiplex system RF132 4—60584
Hannington, S. Cost cutting potential of energy systems 4—39770
Hannington, S. Electronic control has advantages—at a price 4—50190
Hannington, S. Stringent standards for electrical testing 4—50435
Hannon, J.J., Cook, J.M. Oxidative removal of photoresist by oxygen/Freon 116 discharge products 4—46913
Hannon, J.J. *see* Cook, J.M. 4—58636
Hannon, J.W. *see* Banker, D.C. 4—29972
Hannula, S.-P., Wanagel, J., Li, C.-Y. Correlating the mechanical properties of fine wire to its performance during wire bonding 4—58665
Hanousek, K. *see* Richy, V. 4—49012
Hanping Zhang *see* Zhang Hanping
Hanrahan, P. An introduction to relational topology 4—57934
Hansch, T.W. *see* Couillaud, B. 4—42705
Hanse, J. *see* Peyron, F. 4—35264
Hanse, J.G., Mitchell, G.L. Linearized fiber optic sensor readout 4—47269
Hansel, G.E. The production operator: weak link or warrior in the ESD battle? [LSI manufacture] 4—59013
Hansen, A., Havemann, H. Design of snubber circuits for a transistor-inverter using a minimum number of components 4—57200
Hansen, A.G. Testing byte-stuffed circuits in DDS systems 4—43587
Hansen, C. *see* Ware, F. 4—51268
Hansen, D., Jungblut, H., Kruger-Elencwajg, H., Martin, M. Transient absorbers under testing 4—45152
Hansen, E.B. *see* Becker, P.W. 4—35342
Hansen, E.W., Law, P.-L. Abel inversion by Kalman filtering 4—60079
Hansen, F.Kai *see* Kai Hansen, F.
Hansen, H. *see* Hauschildt, B. 4—41123
Hansen, H.R. Videotex goes to school 4—60448
Hansen, J. Artificial light and plant production 4—62781
Hansen, J.D. *see* Conta, C. 4—56031
Hansen, J.E. TUD-ESA spherical near-field antenna test facility, Lyngby, Denmark 4—59876
Hansen, J.R. *see* Beer, A. 4—61682
Hansen, K. *see* Vestgaard, K. 4—39725
Hansen, P. *see* Conta, C. 4—56031
Hansen, P.C., Larsen, F.H. Suppression of reflections by directive probes in spherical near-field measurements 4—31752
Hansen, R.C. Measurement distance effects on low sidelobe patterns 4—53271
Hansen, S.E. *see* Ho, C.P. 4—30798
Hansen, T.-E. A fiberoptic microtip pressure transducer for medical applications 4—49140
Hansen, U. The development of the economics of nuclear power 4—56729
Hansen, V. Development of a pickup cartridge 4—48648
Hansen, W., Merkt, U., Kotthaus, J.P. Localization of inversion electrons on InP 4—51783
Hansen, W.L. *see* Amendolia, S.R. 4—49068
Hansgen, H. *see* Funke, J. 4—62208
Hansler, E. *see* Becker, T. 4—47630
Hansma, P.K. *see* Moreland, J. 4—31060, 4—46873
Hanson, A.C., Flint, G., Mendlowitz, J., Jones, K. Non-destructive test and measurement of water-cooled laser mirrors 4—59566
Hanson, B.A., Wong, D.Y. The harmonic magnitude suppression (HMS) technique for intelligibility enhancement in the presence of interfering speech 4—59980
Hanson, B.A. *see* Sekey, A. 4—47801
Hanson, C.C. Display synchronizing scheme 4—55263
Hanson, D. Building up value-added networks 4—54006
Hanson, F.E., Rieger, H. Narrow-band injection locking of a spectrally dense molecular laser system—HgBr $B \rightarrow X$ 4—42524
Hanson, J.E. Material requirements for the SP-100 program 4—61859
Hanson, J.V. *see* Jonkman, J.A. 4—30814
Hanson, J.V. *see* Walton, J.R. 4—31835, 4—32633
Hanson, K. Single chip unlocks phase-shift keying for 1200-bit/s modem 4—54485
Hanson, K., Severin, W., Richardson, D., Klinkovsky, E., Hochschild, J., Bingham, J. A 1200 b/s QPSK full duplex modem 4—54498
Hanson, R.C. *see* Ko, P.K. 4—36885
Hanson, R.K. *see* Rea, E.C., Jr. 4—47429
Hanson, S.O. *see* Mukherjee, B.K. 4—57123
Hanson, W. INMARSAT's 56-kilobit service for seismic surveys 4—32737
Hanson, W.P. Chemically polished polished high frequency resonators 4—30898
Hanss, E.J. Are decision support systems applicable to engineering management? 4—57745
Hanssen, D.R. *see* Hayashide, Y. 4—33681
Hanssen, J.H.L., Saaman, A.A., de Moor, H.H.C., Giling, L.J., Bloem, J. Near equilibrium growth of silicon by CVD. II. The Si-I-H system 4—35478
Hanssen, J.H.L. *see* Bloem, J. 4—35477
Hanssen, K.-J. Theoretical and experimental investigations of the noise in off-axis holography. [Electron holography] 4—37502
Hanssen, K.-J., Lauer, R. The effect of non-isoplanatism in micrographs taken with an electron microscope equipped with a field emission gun 4—36243
Hanssen, K.-J. *see* Ade, G. 4—37503
Hanssen, K.-J. *see* Lauer, R. 4—37504
Hansson, E.R.B. *see* Riblet, G.P. 4—36018
Hantos, F.S. The role of instrumentation and control in reducing forced outages of utility power plants 4—49545
Hantouche, C. Behaviour of heat density of a gamma thermometer 4—34334
Hanzal, B. *see* Lee, G. 4—29823
Hanzal, B.R. *see* Vu, T.T. 4—29781, 4—35746
Hanzlik, J. Phase-conformed operation of transmitters for mass remote control 4—45089
Hao Chu *see* Chu Hao
Hao Ling, Shung-Wu Lee Focusing of electromagnetic waves through a dielectric interface 4—59731
Hao Wang *see* Wang Hao
Hao Xiuhong *see* Li Jingwen 4—33616
Hao Xiulei, Wu Zhiyuan The accurate calculation of interference noise power in colour bar brightness signal of FM TV system interfered by digitally modulated signals 4—61029
Hao-An Lu *see* Coleman, R.V. 4—36356
Haochun Yu *see* Yu Haochun

Haond, M. *see* Vu, D.P. 4—30757
Haosheng Fei *see* Fei Haosheng
Haoui, A., Messerschmitt, D.G. Predictive vector quantization 4—53525
Hapiot, J.C. *see* de Fornel, B. 4—49886
Happ, H.H. *see* Burchett, R.C. 4—49565
Happer, W., Miron, E. Spin exchange optical pumping to produce large amounts of polarized nuclei 4—61629
Haq, E. *see* Yang, K. 4—58339
Haque, A.K.M.M. *see* Hasko, D.G. 4—55826
Haque, S.E., Khan, A.A., Smiai, M.S. A simple linear trigger circuit for thyristors working under variable-frequency anode supply 4—58219
Haque, Y. Implementation of LSI signal processing components for modems 4—51058
Haque, Y.A. Design techniques for dynamic range improvement in CMOS circuitry 4—30762
Haque, Y.A. Design techniques for dynamic range improvement in CMOS circuitry 4—36828
Haque, Y.A. *see* Takla, A. 4—54495
Har-Kedar, I. *see* Sathiaseelan, V. 4—39582
Hara, H. Automatic dialing adds appeal with solid-state versatility 4—60558
Hara, H., Akazawa, T., Hagiwara, Y. CMOS single chip digital signal processor HSP (HD61810) 4—58372
Hara, H., Namba, S., Hoshino, A., Takuma, H. An assessment of e-beam controlled discharge pumping in KrF and XeCl lasers 4—31293
Hara, K. *see* Nakanishi, M. 4—47213
Hara, K. *see* Shiota, F. 4—39003
Hara, M., Wada, T., Fukasawa, T., Kikuchi, F. A three dimensional analysis of RF electromagnetic fields by the finite element method 4—31554
Hara, M. *see* Sumiyoshitani, S. 4—47558
Hara, S., Kobayashi, F., Sakaida, M. Characteristic analysis of linear lumped mechanical systems using graphical entry and symbolic operation 4—58126
Hara, S. *see* Misawa, Y. 4—30438
Hara, T., Enomoto, S., Jinbo, T. Interfacial reaction in polycide MOS gate structure employing CVD tungsten silicide 4—58802
Hara, T., Motoyoshi, O., Konishi, S., Mukaimumine, K., Yanagiya, Y., Ishida, K. Components for static VAR compensator 4—39800
Hara, T., Suzuki, H., Furukawa, M. Reflow of PSG layers by halogen lamp short duration heating technique 4—58955
Hara, T. *see* Ushida, N. 4—56030
Hara, Y., Goto, N. Pattern synthesis for waveguide slotted array antenna by linear programming 4—47658
Hara, Y., Karasaki, K., Uto, S. Automation of visual inspection of printed circuit board patterns 4—51647
Harada, H. *see* Yoshizawa, M. 4—30306
Harada, I., Tsukiyama, S., Shirakawa, I. An algorithm of global routing for gate array LSI 4—58236
Harada, I. *see* Ueda, K. 4—52264
Harada, K. State of the art in DC-to-DC convertors 4—57182
Harada, K., Chen, C. A resonant type constant current converter with feedback 4—57196
Harada, K., Chen, C.-J. Analysis of a resonant converter controlled by triac 4—34744
Harada, K. *see* Ishida, Y. 4—38625
Harada, K. *see* Katsuki, A. 4—50973
Harada, K. *see* Minegishi, K. 4—35810
Harada, K. *see* Miyagi, M. 4—42907
Harada, K. *see* Murata, K. 4—56538
Harada, K. *see* Nakahara, M. 4—57187
Harada, K. *see* Shoyama, M. 4—34742
Harada, L. *see* Simcoe, B. 4—58388
Harada, N. LSI interconnection length prediction method using a statistical mechanical placements theory 4—30697
Harada, N., Uya, S., Hayashimoto, Y., Komatsubara, Y., Ide, K., Yoshida, O., Kon, T., Yano, K., Kakegawa, M., Yoshino, T. A CCD image sensor overlaid with an a-Si:H/a-SiC:H photoconversion layer 4—44451
Harada, O. *see* Fujita, M. 4—48797
Harada, S. *see* Tosima, S. 4—35304
Harada, S. *see* Uehara, T. 4—48550
Harada, T. *see* Imai, M. 4—56887
Harada, Y. *see* Bando, Y. 4—51726
Harada, Y. *see* Nezu, T. 4—54987
Harada, Y. *see* Sasase, I. 4—53371
Haradome, M. *see* Inokuma, T. 4—58555
Haradome, M. *see* Kanefusa, S. 4—48886
Harahata, M., Shibahara, T. Focus auto-adjustment for CRT display 4—39067
Harakawa, K., Yasuoka, Y., Gamo, K., Namba, S. CO_2 laser detection using a warm carrier device with a thin film antenna 4—39173
Harakawa, T., Suemori, N., Matsunaga, T., Nakamura, K., Kojima, Y., Koike, J., Mizukami, M., Ikuzaki, K. A CMOS high speed codec processor for a facsimile apparatus 4—60433
Haralick, R.M. *see* Shapiro, L.G. 4—45996, 4—60208
Haralick, R.M. *see* Yu, K.-B. 4—53729
Haralick, R.M. *see* Zhuang, X. 4—53927
Haramaty, Y. *see* Einziger, P.D. 4—37588
Haranahalli, A. *see* Gill, M. 4—59039
Harari, E. Novel dynamic merged load technology 4—58277
Harari, E. *see* Logie, S. 4—35823
Harary, F., Melter, R.A., Tomescu, I. Digital metrics: a graph-theoretical approach 4—38034
Harasaki, H., Miyauchi, A., Ozawa, S. Hybrid transmission of digital speech and other data 4—32233
Harashima, F. State of the art on power electronics and electrical drives in Japan 4—57216
Harashima, F., Inaba, H., Kitahori, R., Shibuya, T. Microprocessor-controlled MOSFET inverter for solar energy system 4—34776
Harashima, H., Miyakawa, H. Evaluation of TV pictures 4—32927
Harashima, H. *see* Arakawa, K. 4—58458
Harashima, H. *see* Fujii, T. 4—43918
Harashima, H. *see* Kamitake, T. 4—43032
Harashima, H. *see* Saitoh, T. 4—60173
Harashima, H. *see* Yamada, T. 4—47740
Harashima, N. *see* Ozawa, T. 4—51237
Harasimowicz, J. CMOS logical systems 4—41332
Haraszti, T.P. Novel circuits for high speed ROMs 4—41348
Harata, M. *see* Yokomizo, Y. 4—48837
Harbers, J.W.L. The hand-held multimeter, PM2518X lights up in the dark 4—48924
Harbison, J.P. *see* Chen, M.C. 4—36087
Harbison, J.P. *see* Johnson, A.M. 4—61398
Harbour, M.G., Costales, B., Gregorio, J.A., Drake, J.M. Support system for LSI circuits design system 4—50904
Harbour, M.Gonzalez *see* Gonzalez Harbour, M.
Hardcastle, C. Add on sub-woofer 4—55109
Hardee, K., Griffus, M., Galvas, R. A 30 ns 64K CMOS RAM 4—51308
Harder, C., Lau, K., Yariv, A. Picosecond mode-locking and X-band modulation of semiconductor lasers 4—59510
Harder, J.E. Industrial power capacitors—estimating the energy cost savings 4—50019
Harder, J.E. *see* Hensley, S.P. 4—49644
Harder, J.E. *see* Nichols, W.H. 4—34659
Harderich, W. Earth-leakage monitoring on power-fed trunks 4—62228
Hardesty, D.L. *see* Gold, S.H. 4—31275
Harding, K.G., Gokay, M.C., MacBain, J.C. High strobe-rate lasers for high-speed holographic testing 4—53092
Harding, S. Practical considerations in the design of integrated low noise amplifiers 4—29692
Harding, W.C., Rubin, J.B., McWilliams, T.M. Twin processors speed CAE workstation's complex simulations 4—46498
Harding, W.C. *see* Widdoes, L.C., Jr. 4—30677
Hardman, P.A., Woodward, B. Underwater location fixing by a diver-operated acoustic telemetry system 4—43692
Hardwick, D.R. Understanding proportional solenoids 4—59724
Hardwick, W.G. The knowledge network: a satellite educational response to the geography of British Columbia 4—38509
Hardy, A. Orthogonality relations of modes obtained by the effective-index method 4—37256
Hardy, A. Formulation of two-dimensional reflectivity calculations based on the effective-index method 4—37257
Hardy, A. Formulation of two-dimensional reflectivity calculations for transverse-magnetic-like modes 4—47392
Hardy, A., Bar-Joseph, I., Katzir, Y., Silberberg, Y. Distortion compensation and applications of phase conjugate techniques 4—37463
Hardy, D.D. The processing and use of data from Earth observation satellites 4—56274
Hardy, G.H. *see* Callas, G.P. 4—49387
Hardy, J., Golobieb, B. Adaptive detection in sea clutter 4—38667
Hardy, J. *see* Botten, B. 4—44061
Hardy, J.C. *see* Clifford, E.T.H. 4—61688
Hardy, J.C. *see* Pickett, H.M. 4—37753
Hardy, R.H.S. *see* Puri, D. 4—34805
Hardy, S. Satellites, fiber optics, and microwaves: a cost comparison 4—48386
Har'el, Z. *see* Pratt, H. 4—33841
Harelik, P. The operational experiences on PVC jacket material 4—56614
Harendt, A. *see* Guendel, H. 4—47423
Harfmann, R.G. *see* Ratzlaff, E.H. 4—42327
Hargest, T.S. Recommendations for designing device improvements 4—39504
Harghel, S., Teodoru, E. The equations of the half wave control of the commutatorless repulsion motor 4—34568
Hargis, P.J., Jr. *see* Woodworth, J.R. 4—62664
Hargrave, P.J. *see* Blair, P.K. 4—38714
Hargrave, P.J. *see* Ward, C.R. 4—60112
Hargreaves, T.A., Park, S.Y., Seeley, R., Read, M.E. NRL quasi-optical gyrotron 4—36202
Hargrove, C.K. The Time Projection Chamber (TPC): an overview 4—33631
Hargrove, C.K. *see* Bryman, D. 4—33632
Hargrove, M.J. *see* Troutman, R.R. 4—30795
Hargroves, R.A., Martin, N.J., Simons, R.H., Simpson, M.D. A road lighting code based on CIE philosophy 4—62816
Hari Babu, V. *see* Rao, S.R. 4—30334
Harig, H.-D. Decoupling heat from a large, power-oriented hard coal power station 4—62358
Hariharan, M.V., Murthy, M.S.R., Jagannathan, P. Stability margins of hydro-turbine governing systems 4—45337
Hariharan, M.V. *see* Sivaramakrishnan, A.Y. 4—62076
Hariharan, S. *see* Iyer, S.R. 4—56458
Hariharan, T.A., Pandey, P.C. Passive microwave remote sensing of the atmosphere and ocean 4—61999
Haring, A. *see* Sanders, F.H.M. 4—46943
Haring, R.A. *see* Sanders, F.H.M. 4—46943
Hariu, T. *see* Matsushita, K. 4—50773
Hariun Liu *see* Liu Hariun
Harker, S.C., McNutty, P.T. Implementation of a fully microprocessor-controlled paper machine drive system 4—50268
Harkins, H.L. Combined cycles—alternative for process steam systems 4—56845
Harkonen, E., Tornberg, J., Karras, M. Ultrasonic probe characterizing the pulp suspension 4—56372
Harle, P., Katzschner, L., Langenbach-Belz, M. System 12, a digital exchange system with distributed control. I 4—60618
Harley, R.G. *see* Lahoud, M.A. 4—56926
Harlow, C.A. *see* Trivedi, M.M. 4—60167
Harma, W.H. *see* Orlando, V.A. 4—49412
Harman, G.G. Microelectronic ball-bond shear test—a critical review and comprehensive guide to its uses 4—46749
Harman, J.L. *see* Miller, S.W. 4—57672
Harman, R.K. Burial medium effects on leaky coaxial cable sensors 4—33292
Harman, W.H. Development of surveillance techniques for TCAS II 4—33938
Harmeyer, E. *see* Brossmann, U. 4—47230
Harmon, D.L. Critical function monitoring system algorithm development 4—34350
Harmon, J., Landreth, J., Lausch, D., Nagenthiram, P., Ramirez, H. A development methodology applied to a radar system simulation 4—44166
Harmon, R.A. *see* Hodgkinson, T.G. 4—32830
Harms, G. Power electronics XXVI 4—45522
Harms, G. Components in the ascendancy. Electrical and electronic components at the Hanover Fair 4—51549
Harms, H. *see* Gerlach, B. 4—38063
Harms, H. *see* Kriete, A. 4—32060
Harms, V. *see* Wilde, P. 4—34526
Harmuth, H.F. Nonsinusoidal waves in rectangular waveguides 4—31729
Harmuth, H.F. Nonsinusoidal waves in cavity resonators 4—37701
Harmuth, H.F., Shao, D. Large-current, short-length radiator for nonsinusoidal waves 4—37749
Harney, D. *see* Bennett, J. 4—40419
Harney, R.C. Image tracking with coherent infrared radars 4—54902
Harney, R.C. Area monitoring of pollutants with high pulse repetition frequency (PRF) coherent DIAL systems 4—56289
Harney, R.C. *see* Frey, R.W. 4—54893
Harnish, L.O., Hagn, G.H., Alvarez, W.T. Comparison of IONCAP predictions with AN/TRQ-35 (V) oblique-incidence sounder measurements for a one-month CONUS test during July and August 1982 4—32650
Harnois, J.Y. *see* Ushida, N. 4—56030
Harold, P.R. New methods—alternating-voltage calibration with modern electronics 4—61421
Harootunian, A. *see* Mills, D.M. 4—56064
Harper, C.A. Selecting a coat to fit the circuit board 4—30181
Harper, D. Fibre optics—the rapidly expanding market 4—32793
Harper, G.W. NABTS operations and applications—more than just high-resolution graphics 4—48139
Harper, J.G., Bailey, L.G. Flexible material handling automation in wafer fabrication 4—58980
Harper, J.M.E., Kelly, R. Method for controlling composition of compound thin films 4—41084
Harper, J.M.E., Mikalsen, D.J., Speidell, J.L. Stress measurement device 4—33493
Harper, J.M.E., O'Hanlon, J.F., Segredo, E. Improved process for fabrication of multi-beam cathode ray tube device chips 4—58682
Harper, J.P., Sieber, R.E. Effects of electric utility residential conservation programs on hourly load profiles 4—49542
Harper, J.R. *see* Conner, W.D. 4—57796
Harper, L. *see* Gill, M. 4—59039
Harprecht, W. Starting behaviour, output and reliability of the class 120 locomotives of the German Federal Railway (DB) 4—34994
Harr, J.D. High-density emitter coupled logic 4—46400
Harrang, J.P. *see* Goodall, R.K. 4—52135
Harrett, T. On evaluating some integrals occurring in magnetic diode theory 4—30253

Harriman, B. Plenary session: Future directions in Asian telecommunications 4—60364
Harrington, J.T., Scholz, H.N. Cell memory array 4—58345
Harrington, R.E. *see* Leviatan, Y. 4—53195
Harrington, R.F., Swift, C.T., Fedors, J.C. Microwave radiometric aircraft observations of the Fabry-Perot interference fringes of an ice-water system 4—39743
Harrington, R.F., Wei, C. Losses on multiconductor transmission lines in multilayered dielectric media 4—53242
Harrington, R.F. *see* Auda, H. 4—53254
Harrington, R.F. *see* Costa, M.F. 4—31705
Harrington, R.F. *see* Mautz, J.R. 4—47572
Harrington, R.F. *see* Wei, C. 4—42903
Harrington, T. Result of a new controller [LANs] 4—43748
Harrington, T. Netting the big ones [LANs] 4—43749
Harrington, T. A chicken-and-egg situation [LANs] 4—43750
Harris, C.M., Abramov, I. Linearizing the z-axis of an oscilloscope display 4—33328
Harris, D. Changes imposed by the 15th Edition [IEE Wiring Regulations] 4—49989
Harris, D. *see* Grigson, P. 4—29908
Harris, D.E. Built-in-test to support remote system maintenance 4—45968
Harris, D.E. *see* Prohs, J.R. 4—38946
Harris, D.W. Surfaces, science...fact, not fiction [integrated circuits] 4—42122
Harris, E.W. Error recovery for robotic component insertion 4—41705
Harris, F. Shared tenant services [Integrated business exchange development] 4—48366
Harris, F.J. Observer adaptive PRF for synthetic aperture radar imaging 4—54905
Harris, F.R. *see* Bennett, R.B. 4—62392
Harris, G.L. *see* Griffin, J.A. 4—51943
Harris, H.M., Pojman, J.L. Mission planning and operations of a Space Shuttle payload experiment: SIR-A 4—48519
Harris, I. *see* Graff, J. 4—39735
Harris, J.B. *see* Drumm, M.J. 4—58298
Harris, J.W. Digital audio switch 4—29965
Harris, K., Hill, R.J., Rand, D.A.J. Quantitative phase analysis of crystalline and amorphous components of positive plates in lead-acid batteries operated under simulated electric-vehicle service 4—45592
Harris, K., Sandland, P., Singleton, R. Automatic wafer inspection 4—36685
Harris, K.L., Sandland, P., Singleton, R.M. Automated inspection of wafer patterns with applications in stepping, projection and direct-write lithography 4—29287
Harris, L.B., Martin, J.P.D. The influence of pulsed discharge on the capacity of lead/acid batteries 4—34855
Harris, M. Special EMS network for the Sydney County Council 4—54123
Harris, M.M. Pinpointing the location of a PCB short 4—30205
Harris, N., O'Conor, P.D.T. Reliability prediction: improving the crystal ball 4—46032
Harris, P.G. *see* Todd, A.G. 4—46980
Harris, R. *see* Rowlands, J.A. 4—49145
Harris, R.A., Kristiansen, P. The generation and use of bit error rate surface plots 4—37793
Harris, R.L., Davidmann, S.J., Musgrave, G. HILO-2—a system to build on 4—58276
Harris, R.M. Eddy currents find flaws in hot pipe 4—35562
Harris, R.R., Gaspari, R.A. Spurious signal analysis of a communication satellite repeater 4—48445
Harris, S. Backplane designs reach for higher levels of sophistication 4—30203
Harris, S.J., Nobel, B., Owen, M.J. Metallographic investigation of the damage caused to GRP by the combined action of electrical, mechanical and chemical environments 4—30855
Harrison, C.A., Butler, C.M. An experimental study of a cylindrical antenna in two half-spaces 4—47679
Harrison, D.C. *see* Otis, J.N. 4—39544
Harrison, D.C. *see* Zeman, H.D. 4—56094
Harrison, E.T., Pickren, J.D., Mangum, P., Tomlins, H.F., Pickren, A.S. The evolving marriage of a local area network (LAN) and a hospital information network (HIS) 4—43804
Harrison, H.B., Sai-Halasz, G., Reeves, G.K. Layer to layer interconnections: impact on VLSI circuits 4—59005
Harrison, H.B. *see* De Cata, L. 4—58853
Harrison, H.B. *see* Payne, F.H. 4—57723
Harrison, J.A. *see* Challis, R.E. 4—39757
Harrison, K.G. *see* Thomas, P.M. 4—61725
Harrison, M.J. Cross-field runaway electrons 4—31609
Harrison, M.J. An overview of AUSTPAC—the Australian packet switching network 4—48269
Harrison, N. Not so liberal [British Telecom] 4—43632
Harrison, R. Economics of low enthalpy geothermal district heating developments, northern France and the UK 4—34460
Harrison, R., Mortimer, N.D. UK Drilling cost estimation 4—34260
Harrison, R.F. *see* Hammond, J.K. 4—60078
Harrison, R.G., Firth, W.J., Emshary, C.A., Al-Saidi, I.A. Observation of optical hysteresis in an all-optical passive ring cavity containing molecular gas 4—31466
Harrison, R.M. *see* Kotre, C.J. 4—49142
Harrison, T.J. IEEE Project 802: local and metropolitan area network standards (an April 1983 status report) 4—48256
Harrison, T.R. *see* Stern, M.B. 4—51898
Harrison, T.R. *see* Tewksbury, S.K. 4—52124
Harrison, W.A., Lim, J.S., Singer, E. Adaptive noise cancellation in a fighter cockpit environment 4—59979
Harrod, W.J., Plemmons, R.J. Comparison of some direct methods for computing stationary distributions of Markov chains 4—40918
Harry, D.J., Kenny, M.A. Computerized transcutaneous monitoring incorporating laser Doppler velocimetry 4—44733
Harry, R.W. *see* Farooque, M. 4—40428
Harsant, D.M. *see* Court, R.A. 4—47102
Harsanyi, G., Ripka, G. Examination of thick-films using modern surface analytical techniques 4—51677
Harsanyi, J. *see* Mizsei, J. 4—33234
Harschburger, H.E., Moomaw, R.F. Experience with the F/A-18 digital flight control system 4—44856
Hart, G. The performance of digital radio relay systems 4—38459
Hart, G. *see* deBelin, M.J. 4—32256
Hart, H.E. Statistically weighted non-local method of iterative digital image processing 4—53823
Hart, H.R., Bottomley, P.A., Edelstein, W.A., Karr, S.G., Leue, W.M., Mueller, O.M., Redington, R.W., Schenck, J.F., Smith, L.S., Vatis, D. Technical alternatives in nuclear magnetic resonance (NMR) imaging 4—49158
Hart, M. Local area networks: should you wish upon a star or take a bus? 4—32381
Hart, P. The Yaesu Musen FT726R VHF multiband transceiver 4—32697
Hart, P. The Yaesu Musen FT77 HF transceiver 4—43989
Hart, P. Equipment review—the Yaesu Musen FT980 HF transceiver 4—60656
Hart, P.A.H. Physical aspects of silicon technology for integrated circuits 4—36802
Hart, R., Bailes, P. Information systems for the home 4—54056
Hart, S. *see* Richter, P.W. 4—42233
Hart, T.Tuttle *see* Tuttle Hart, T.
Hartemann, P., Meunier, P.-L. Tensioned or flexured SAW accelerometers 4—59118
Hartemann, P. *see* Meuneir, P.-L. 4—59113
Hartenstein, R., Canay, I.M. Subsynchronous oscillations and resonances in electric machines 4—45388
Harter, D.J., Brown, D.C. Effects of higher order nonlinearities on second order frequency mixing 4—42720
Harter, D.J., Shand, M.L., Band, Y.B. Power/energy limiter using reverse saturable absorption 4—53069
Harter, J. *see* Takacs, D. 4—36836, 4—36855
Harter, J. *see* Werner, C. 4—36525
Harter, J.A. *see* Kopp, M.K. 4—34337
Harter, J.A. *see* Valentine, K.H. 4—33699
Hartfuss, H.J., Tutter, M. SIS mixer in 3-port approximation from an experimental I-V curve 4—36074
Hartfuss, H.J., Tutter, M. Numerical design calculation of a MM-wave mixer with SIS tunnel junction 4—59166
Hartfuss, H.J., Tutter, M. Minimum noise temperature of a practical SIS quantum mixer 4—59167
Hartgring, C.D. *see* Cuppens, R. 4—51243
Hartig, H. *see* Christoph, J. 4—51195
Hartigan, P. The non-integration of voice and data 4—29174
Hartigan, P. Please pass the PBX 4—47959
Hartl, P. Precise range and range-rate experiment PRARE 4—44822
Hartl, P. *see* Fehse, W.H. 4—61862
Hartl, S. 100 MHz oscilloscope CS-2110: Japanese challenge 4—33344
Hartl, W. The pin-frame chip carrier 4—47074
Hartl, W. Chip carrier socket provides integral soldered connections 4—58601
Hartl, W., Peter, D., Reiber, K. A metal/ceramic diagnostic X-ray tube 4—39553
Hartley, P.A., Parfitt, G.D. An improved split-cell apparatus for the measurement of tensile strength of powders 4—33551
Hartley, S.M. *see* Gilbert, B.K. 4—29986, 4—46541, 4—53585
Hartman, A.R. *see* Chang, G.K. 4—36116
Hartman, C.N. Understanding asymmetry 4—62669
Hartman, H. Improving a good cable protection system 4—43919
Hartman, L.B., Wilson, D.D. Minnesota studies joint use of R/W [transmission line right-of-way] 4—45131
Hartman, M. Forced commutation of thyristors in series inverter. I. Properties of steady state as the result of changes in thyristors commutation from boundary into the forced one 4—49942
Hartman, N.P., Tanimoto, S.L. A hexagonal pyramid data structure for image processing 4—60025
Hartman, R.L. *see* Schwartz, B. 4—51780
Hartman, R.V. Video images transmitted rapidly via telephone or tactical radio 4—32988
Hartmann, C., Wilkus, S. Surface acoustic wave bandpass filters 4—30928
Hartmann, C.R.P., Debany, W.H., Varshney, P.K. Multiple-fault detection in fanout-free combinational networks 4—41287
Hartmann, C.R.P. *see* Gao, J.P. 4—47783
Hartmann, C.R.P. *see* Nandakumar, N. 4—43184
Hartmann, C.R.P. *see* Varshney, P.K. 4—29357
Hartmann, G. The production and processing of coded hierarchic information on contours 4—32061
Hartmann, G.F. Foil press-buttons in microelectronics 4—51607
Hartmann, J. *see* Schroeder, H.J. 4—42264
Hartmann, M. *see* Jacobs, B. 4—52722
Hartmann, S.R. *see* Beach, R. 4—37443
Hartmann, T.M. *see* Neumeyer, B.M. 4—53241
Hartnagel, H.L. *see* Dell, J. 4—47055, 4—52108
Hartnagel, H.L. *see* Huber, E. 4—46818
Hartnagel, H.L. *see* Kretschmer, K.-H. 4—30702
Hartog, A.H., Gold, M.P. On the theory of backscattering in single-mode optical fibers 4—42359
Hartog, A.H. *see* Gold, M.P. 4—33448, 4—37100
Harton, A. *see* Fonstad, C.G. 4—59505
Harton, P.L. *see* Robel, M.C. 4—38735
Hartouni, E., Lee, J., Huldermann, F. Reduction of water and hydrogen based in chalcogenide glass 4—58068
Hartranft, M. *see* Bateman, B. 4—35788
Hartranft, M.D. *see* Fujishin, E. 4—59046
Hartsell, E., Jr. *see* Perry, C. 4—62396
Hartshorn, W.T. Controlling fugitive dust with an electrostatically charged dry fog suppression system 4—53185
Hartstein, A., Webb, R.A., Fowler, A.B., Wainer, J.J. One-dimensional conductance in silicon MOSFETs 4—52131
Hartstein, A. *see* Reisinger, H. 4—51903
Hartung, R. *see* Arefiev, A. 4—55843
Hartwell, E.H. Digital stereophony with television 4—54933
Hartwig, E. On the technology of high-vacuum roll coating 4—29523
Hartwig, P. Improved service for travellers. A marketing concept with Btx 4—54302
Hartwig, P. *see* Glas, P. 4—47469
Hartz, K., Charalambus, B. Load reduction of rare dynamic strains by means of plasticizing 4—56773
Hartz, R.K. *see* Mullani, N.A. 4—33813
Hartz, R.K. *see* Wong, W.-H. 4—39530
Haruki, S. *see* Yasui, M. 4—56641
Haruta, K. *see* Nakayama, T. 4—54038
Harvego, E.A. *see* Grush, W.H. 4—49706
Harvell, J.T., DeCato, W., Songer, L. Coater conversion: a case history [using cryopump] 4—35500
Harvey, B. Battery switching circuit 4—41524
Harvey, D.E. Miniature control panel modules 4—51661
Harvey, G. *see* Lipson, J. 4—54823
Harvey, J., Nandakumar, J., Krishnan, L.V. Dynamic calibration of shock overpressure transducers 4—52357
Harvey, J.D. *see* Davis, L.M. 4—42586
Harvey, J.R., Ramli, A.G., Weeks, A.R. Measurement of the etch characteristics of proton tracks in CR39 and the implications for neutron dosimetry 4—55920
Harvey, J.R., Weeks, A.R. A study of techniques applicable to the automated assessment of alpha and proton-induced etch pits 4—55903
Harvey, M.G. *see* Carlin, D.B. 4—53012
Harvey, P.L. Workstation's software turns logic designers into custom IC experts 4—46416
Harvey, R. Centronics printer buffer 4—29843
Harvey, R. Centronics printer buffer. II 4—35783
Harvey, R., Sargent, R. Solid state TV camera 4—33152
Harvey, R.E. Local area networks: the secret of control for tomorrow's factory 4—32377
Harvey, R.J. *see* Dolezal, F.A. 4—52836
Harvey, R.S., Simpson, R., Porter, J.M. A display aid for interpretation of real-time imagery in an airborne remotely piloted vehicle system 4—33937
Harvey, S. *see* Newman, J. 4—32272
Harvey, S.M. Electric-field exposure of persons using video display units 4—33885
Harvey, S.M. *see* Russell, B.D. 4—53232
Harvey, T. A look at wide-area paging 4—44001
Harvold, E.P. *see* Vreeland, R.W. 4—56161
Harwig, H.A. *see* Veendrick, H.J.M. 4—51236
Harwood, C. AgriNet expansion 4—54390
Harwood, D. *see* Hakalahti, H. 4—53889
Hasan, M.Q., Debnath, R.C. The conversion of residue numbers to binary coded decimal numbers using a counter method 4—51372

Hasan, W. *see* Tze-chiang chen 4—59295
Hasanuddin Ahmad, S., Jamil, A.T.M. Calculations of systems unreliability by algebraic manipulation of failure event 4—57886
Hasanuma, S. *see* Nakanishi, M. 4—62855
Hasberg, W. *see* Knoche, K.F. 4—56752
Hasbrouck, T.M., Young, P. Installation, checkout, and early operational testing of the Hamilton Standard 4-megawatt wind turbine system (WTS-4) 4—40182
Hase, I., Kawai, H., Kaneko, K., Watanabe, N. Electron transport through the MOCVD grown GaAs/AlGaAs/GaAs heterojunction barrier 4—41867
Hase, M. *see* Shimizu, A. 4—52753
Hase, N. *see* Ohnaka, K. 4—33317
Hase, N. *see* Shibata, J. 4—52948
Hasebe, M. *see* Hirakura, K. 4—53168
Hasegawa, A. Generation of a train of soliton pulses by induced modulational instability in optical fibers 4—52576
Hasegawa, B.H. *see* Dobbins, J.T. 4—49147
Hasegawa, E. *see* Shimada, Y. 4—54772
Hasegawa, F., Yamamoto, N., Nannichi, Y. Change of the surface density of the midgap level (EL2 or EL0) in bulk GaAs by heat treatments with various capping 4—58861
Hasegawa, H., Kitagawa, T., Sawada, T., Ohno, H. Surface electrical breakdown with white-light emission on semi-insulating GaAs substrates 4—46863
Hasegawa, H., Sawada, T., Kitagawa, T. Properties of surface passivation dielectrics for GaAs integrated circuits 4—30732
Hasegawa, H. *see* Arimoto, S. 4—44518
Hasegawa, H. *see* Domae, Y. 4—34188
Hasegawa, H. *see* Matsuo, N. 4—47343
Hasegawa, H. *see* Nanjo, J. 4—58867
Hasegawa, H. *see* Ohno, H. 4—51981
Hasegawa, H. *see* Sawada, T. 4—52103
Hasegawa, J. *see* Ishihara, K. 4—56549
Hasegawa, J. *see* Morozumi, S. 4—57320
Hasegawa, J. *see* Ueda, T. 4—39790
Hasegawa, K. Relation between transducer mounting method and noise level in ultrasonic cleaners 4—56373
Hasegawa, K., Kamoshida, T., Otsubo, T., Kumazawa, S. Analysis on the acceleration characteristics of Continuous Transit System by Magnet 4—57480
Hasegawa, K., Mochiki, K., Koike, M., Sekiguchi, A. X-ray position-sensitive detectors for synchrotron radiation 4—55850
Hasegawa, K., Mori, T., Aono, K., Yamada, H., Kuroda, H., Takemoto, T. VIST high speed 8×8 bit multiplier/accumulator 4—29816
Hasegawa, K. *see* Fujisaki, H. 4—53468
Hasegawa, K. *see* Ohnaka, K. 4—33317
Hasegawa, M., Kudo, M., Mushiake, Y. Excess loss of an optical fiber due to a small increment of surrounding temperature 4—47287
Hasegawa, M. *see* Den, H. 4—56620
Hasegawa, M. *see* Yoshino, H. 4—36996
Hasegawa, R. Soft magnetic properties of metallic glasses 4—42229
Hasegawa, S., Iida, Y. Computer simulation of electron scattering by heavy atoms added into resist for dry etch resistance enhancement 4—30724
Hasegawa, S., Shimizu, S., Kurata, Y. Thickness dependences of properties of P- and B-doped hydrogenated amorphous silicon. I. Dark conductivity and photoconductivity 4—41849
Hasegawa, S. *see* Iida, Y. 4—36420
Hasegawa, T., Inoue, M., Mitsuhashi, T. Evaluation techniques for TV pictures. IV. Subjective assessment of television picture quality and data processing 4—60971
Hasegawa, T., Miyahara, H., Suda, T., Murata, E. Simulation study on packetized voice transmission 4—32498
Hasegawa, T., Nakagawa, T., Hosoda, H., Kurasawa, R., Naitoh, H. A microcomputer-based thyristor Leonard system having powerful RAS functions 4—40525
Hasegawa, T., Nomura, Y. Control of an AC servo and its application to industrial robots 4—57088
Hasegawa, T., Sashida, Y., Yamauchi, H., Takigawa, A. A high speed optical data highway for industrial control systems 4—32821
Hasegawa, T., Torii, T., Ninomiya, I. Stable algorithm for the minimal solution of second order linear difference equations 4—57893
Hasegawa, T. *see* Oie, Y. 4—60775
Hasegawa, T. *see* Suda, T. 4—32090
Hasegawa, T. *see* Sugahara, K. 4—41273
Hasegawa, T. *see* Torii, T. 4—57998
Haselbarth, V. Videotext demands an introduction strategy 4—38236
Hasell, D.K. *see* Blissett, J.A. 4—61710
Haseloff, E. Voltage-monitoring switching circuit 4—29917
Haseloff, E. A low power bus transceiver 4—51364
Hashemi, N. *see* Sullivan, R.L. 4—62056
Hashemi-Nezhad, S.R. Track diameter kinetics in biotite mica 4—55872
Hashemi-Nezhad, S.R., Durrani, S.A., Bull, R.K., Green, P.F. Particle identification by measurements of track-etch rate as a function of residual range of heavy ions in biotite mica 4—55873
Hashida, Y. *see* Nakayama, T. 4—38419
Hashiguchi, K. *see* Watanabe, T. 4—32944, 4—39063
Hashiguchi, S. *see* Yajima, M. 4—55659
Hashim, M. *see* Khan, M. 4—50576
Hashimoto, A., Tamura, I. CMOS semicustom logic LSI 4—41326
Hashimoto, C. *see* Ohfuji, S. 4—30570
Hashimoto, C. *see* Shimaya, M. 4—52126
Hashimoto, C.K. An integrated system control routing architecture for AO&M information transfer 4—32543
Hashimoto, F. *see* Kamiura, Y. 4—36413
Hashimoto, H. Transitive reduction of a nilpotent Boolean matrix 4—40899
Hashimoto, H., Ide, T., Konishi, T., Ohrui, R. A 30 GHz 40 watt helix traveling-wave tube 4—36220
Hashimoto, H. *see* Arimoto, H. 4—30509
Hashimoto, H. *see* Miike, H. 4—44485
Hashimoto, H. *see* Yasuda, H. 4—38231
Hashimoto, K., Katagiri, K., Ishihara, K., Miki, T. Optical fiber cable transmission systems 4—44121
Hashimoto, K., Sano, A. On-line trend detection based on ARI modelling 4—53705
Hashimoto, K. *see* Fukui, K. 4—54988
Hashimoto, K. *see* Ishikawa, K. 4—37176
Hashimoto, K. *see* Kohyama, S. 4—36853
Hashimoto, K.Y. *see* Yamaguchi, M. 4—30920, 4—52435
Hashimoto, N. *see* Funakoshi, K. 4—30718
Hashimoto, N. *see* Itoh, K. 4—51249
Hashimoto, N. *see* Kure, T. 4—36749
Hashimoto, N. *see* Sakai, Y. 4—47138
Hashimoto, N. *see* Sunami, H. 4—46456, 4—47133
Hashimoto, N. *see* Wada, Y. 4—36864
Hashimoto, S. *see* Kato, M. 4—54037
Hashimoto, T. On a generalization of the Viterbi algorithm 4—43044
Hashimoto, T., Kusano, H., Ueda, N., Takahashi, T. Construction of a microcomputer-based pulse-counting system 4—61723
Hashimoto, T. *see* Kato, Y. 4—29825, 4—41440
Hashimoto, T. *see* Sato, M. 4—61048
Hashimoto, Y. *see* Fujimoto, F. 4—58043
Hashimoto, Y. *see* Kawamura, T. 4—59175
Hashizu, M. *see* Ooka, T. 4—55156
Hashizume, A. *see* Jidai, E. 4—36971
Hashizume, M. *see* Yoshino, T. 4—59964
Hashizume, N. *see* Awano, Y. 4—36059, 4—36591, 4—52129
Hashizume, N. *see* Matsumoto, K. 4—42050
Hasinoff, M. *see* Bryman, D. 4—33632
Haskard, M.R. *see* Jain, J.C. 4—35875
Haskell, B.G. High definition television (HDTV)—Compatibility and distribution 4—32964
Haskell, B.G. *see* Eng, K.Y. 4—32913
Haskell, J. *see* Wollesen, D.L. 4—36854
Haskins, H.J., McClanahan, M.L., Minck, R.W. Sodium-sulfur cells for high power spacecraft batteries 4—40397
Haskins, M.K. *see* Badami, D.A. 4—41932
Haskins, R.D. *see* Chahine, M.T. 4—33975
Hasko, D.G., Haque, A.K.M.M. Window thickness measurements on surface barrier detectors with different surface treatments 4—55826
Haslam, G.E., Reid, B. Motion sensing requirements for synthetic aperture radar 4—32860
Hasler, M. *see* Azzouz, A. 4—46318
Hasman, A. Computers in radiotherapy 4—33861
Hasman, T. Partial discharges in dielectric cavities respecting their leakage 4—52320
Hasnain, G., Arjavalingam, G., Dienes, A., Whinnery, J.R. Distortion and pulse shaping of short electrical pulses from dispersion of microstrip lines 4—36010
Hasnain, G., Arjavalingam, G., Dienes, A., Whinnery, J.R. Dispersion of picosecond pulses on microstrip transmission lines 4—59827
Haspeslagh, D. *see* Rabaey, D.H. 4—54460
Hass, C.-U. Five-tone master. Selective calling and listening. I 4—38943
Hass, C.-U. Five-tone generator selective calling and listening. II 4—38944
Hassab, J.C. Passive bearing estimation of a broad-band source 4—48523
Hassab, J.C. *see* Boucher, R.E. 4—60121
Hassan, A. *see* El-Sayed, M.A. 4—34129
Hassan, J.K., Oktay, S., Ostergren, C.D., Paivanas, J.A. High-performance chip-cooling technique for cold plate or external air-cooled modules 4—29269
Hassan, K. The optimum flat plate solar collector 4—45672
Hassan, K.M. *see* Watts, K.C. 4—34482
Hassan, M. *see* Moawad, R. 4—33934
Hassan, S.A. *see* Farghal, S.A. 4—45004
Hassan, U. *see* Armstrong, J.R.C. 4—34541
Hassan, Y.M. Spectral characterisation of devices at high frequencies and measurement methods 4—58529
Hassanein, H. *see* Bryden, B. 4—54463
Hasse, K. *see* Braun, M. 4—49973
Hasse, L., Kostner, R., Schneider, L., Spiralski, L. Low-noise operational amplifiers 4—51004
Hasse, P., Runtsch, E. Protection of persons and plant in low voltage installations 4—39932
Hasse, P. *see* Buck, W. 4—45171
Hasselbring, F. New medium voltage switchgear technology—still using air insulation 4—62653
Hasselriis, F. Design and operation of a versatile pollution control/liquid waste thermal destruction system with maximum energy recovery 4—56847
Hasserjian, K.R. *see* Liu, S.S. 4—51299
Hassib, G.M., Piesch, E.K.A. Effect of some manufacturing parameters on the application of CR-39 in neutron dosimetry 4—55913
Hassin, R. On multicommodity flows in planar graphs 4—40952
Hassin, R. A dichotomous search for a geometric random variable 4—57913
Hasslacher, J. *see* Steinheuer, F.H.K. 4—35884
Hassner, A. *see* Stange, H.W. 4—46660
Hasso, E.A. *see* Allos, J.E. 4—49008
Hasson, J., Priel, B., Teboulle, M. Noise effect on optimal multistage gyrocompassing 4—39650
Hassoun, M.H., Arrathoon, R. Integrated optical fast electrooptic D-A converter design 4—37159
Hassoun, M.H. *see* Arrathoon, R. 4—31173, 4—52695
Hastie, D.R. *see* Mackay, G.I. 4—61918
Hastie, W.M. Repairing surface-mount boards 4—41690
Hastie, W.M. Wave-soldering surface mount devices 4—41693
Hastings, J.B., Thomlinson, W. High flux insertion devices for X-ray beam lines: an optical design 4—56049
Hastings, P. The problems of planning [satellite earth station construction] 4—60738
Hastings, P.C. *see* Cummings, R.C. 4—49767
Hastings, W.I. *see* Nisbet, W.T. 4—51522
Hastings, W.R. *see* Barker, M.R. 4—56077
Hasu, S. *see* Gambe, H. 4—32002
Hasuo, S. *see* Fujimaki, N. 4—52514
Hasuyama, H. *see* Wakuta, Y. 4—61624
Hata, M., Miki, T., Ogose, S. High-speed digital transmission performance in land mobile radio channel 4—43995
Hata, M., Okunishi, H. Frame synchronization characteristics in degraded bit-error-rate conditions and its improvements 4—43934
Hata, N. *see* Matsuura, H. 4—41885
Hata, R. *see* Tsuda, H. 4—45115
Hata, T. *see* Ogura, M. 4—59513
Hatada, K. *see* Abe, A. 4—55596
Hatakeyama, I. *see* Ishii, O. 4—30963
Hatakoshi, G., Fujima, H., Goto, K. Waveguide grating lenses for optical couplers 4—47240
Hatakoshi, G. *see* Tanaka, S. 4—47241
Hatamian, M. *see* Budrikis, Z.L. 4—35967
Hatamura, Y. *see* Watanabe, Y. 4—55282
Hatanaka, K. RCNP polarized ion source 4—61623
Hatanaka, M., Ito, H., Abe, H., Nakata, H. Photo-CVD silicon nitride and silicon oxide films for VLSI application 4—50827
Hatanaka, M. *see* Mashiko, K. 4—58337
Hatanaka, Y. Center-tapped high-frequency inverter using ASCR 4—50975
Hatanaka, Y., Aoyama, M. Lag and resolution related with current distribution of electron beam in camera tubes 4—61023
Hatanaka, Y. *see* Mimura, H. 4—58766
Hatano, S., Kokubun, T., Sumida, S., Murata, H. Optical coupling in a bend of optical fiber ribbon 4—59250
Hatano, S. *see* Kokubun, T. 4—59251
Hatano, S. *see* Shinohara, H. 4—44094, 4—48490
Hatano, Y., Nishino, T., Tarutani, Y., Kawabe, U. Ultrahigh speed direct coupled logic gate fabricated with NbN/Pb Josephson junctions 4—42288
Hataoka, H. *see* Sasaki, T. 4—46364
Hataoka, N., Asakawa, Y., Komatsu, A., Ichikawa, A. Speaker-independent connected digit recognition 4—59990
Hatata, M., Azuma, S. A PCM current-differential relaying system using fiber optic data transmission 4—32808
Hatata, M., Azuma, S., Noguchi, Y. A fiber-optic current-differential relaying system 4—34224
Hatata, M. *see* Sekine, Y. 4—62242
Hatch, C., Grembowski, T., Mattauch, R.J. A Schottky barrier diode for submillimeter wavelength receivers 4—58533
Hatch, E.J. Follow-up to the low-budget HF linear amplifier 4—58182
Hatch, E.R., Ballato, A. Lateral-field excitation of quartz plates 4—52363
Hatch, R.W. *see* Cavanaugh, J.R. 4—32258
Hatchett, J., Janikowski, R. Switching series-resonant quartz crystals 4—58193
Haton, J.P. *see* Carbonell, N. 4—53572
Haton, J.P. *see* Mari, J.F. 4—53547
Hatono, A. *see* Kobayashi, S. 4—61515
Hatori, K. *see* Sakagami, I. 4—58415
Hatori, K. *see* Watanabe, T. 4—43131

Hatori, Y., Yamamoto, H. International video conference standardisation 4—44304
Hatt, T. Considerations in planning networks 4—48198
Hatta, H., Yasue, K. Technical considerations and implementations on an optical token loop 4—54430
Hatta, M. *see* Kohara, M. 4—58658
Hatta, N., Takuda, H., Kokado, J. Examination for effect of the pass schedule on energy consumption in the rolling process 4—35078
Hatton, H. *see* Baker, S.I. 4—33727
Hattori, A., Matsumaru, H., Miyamoto, S. Recent computer application systems for railways 4—50163
Hattori, K. *see* Honda, Y. 4—54529
Hattori, M., Yamane, H., Koga, H. Design method for 3-electrode-arrester ground resistance protection from magnetic induction over voltage induced in telecommunication lines 4—60628
Hattori, M. *see* Ideguchi, T. 4—37652
Hattori, M. *see* Nomoto, M. 4—39733
Hattori, M. *see* Ohtsuki, F. 4—60629
Hattori, M. *see* Yamane, H. 4—41638
Hattori, N., Ishii, N., Suzumura, N. A note of classification of multispectral images 4—43467
Hattori, S. *see* Takahashi, Y. 4—50806
Hattori, S. *see* Tamano, J. 4—30495
Hattori, T. *see* Imamura, K. 4—43993
Hattori, T. *see* Suwa, K. 4—32700
Hattori, Y. *see* Matsuda, Y. 4—52656
Hatzakis, M. *see* Praszczak, J. 4—36368
Hatziargyriou, N., Efthymiadis, A.E. An advanced algorithm for fault level calculations in industrial power systems 4—34093
Hatziargyriou, N.D., Contaxis, G.C., Papadias, B.C. Graphics based power system analysis 4—34087
hatziemmanouil, D.S. *see* Papadopoulos, D.P. 4—35018
Hau, E. Status of continental European large wind energy converters 4—34544
Hau, S.F. *see* Clark, A.P. 4—51443
Haubersin, P.F. *see* Ajmera, P.K. 4—58039
Haubitzer, W. Equivalent circuits for bifilar high-current circuits 4—57559
Haubrich, H.J. Electromagnetic compatibility 4—62164
Haubrich, H.-J. *see* Bongers, C. 4—34141
Hauck, E.W. CCIR fixed-satellite studies 4—60784
Hauck, R., Bryngdahl, O. Computer holography: review and digressions 4—59615
Haucke, M. *see* Gerlach, B. 4—38063
Haucke, M. *see* Kriete, A. 4—32060
Hauenstein, A., Fohring, S. Blocking converter switched-mode power supply with multiple output voltages 4—46348
Hauer, J.F. *see* Annestrand, S.A. 4—40519
Haug, K. *see* Temes, G.C. 4—41464
Haug, T. The Nordic mobile telephone system, an extension of the telephone network 4—32707
Haug, W., Miersch, E.F. Low-voltage CMOS logic 4—29793
Haug, W. *see* Baier, E. 4—51245
Haugen, P.N. *see* Hall, W.C. 4—44269
Haugen, P.R. *see* Case, S.K. 4—60160
Haugen, P.R. *see* Tamura, P.N. 4—53597
Haugeneder, E., Mang, H., Torzicky, P. Short-circuit buckling of multi-shell cylindrical transformer windings on the iron core 4—57103
Haugh, M.J. Infrared thermometry for low emissivity metals 4—44637
Haughney, J.F. Applications of the burst switching technology to the defense communications system 4—32119
Haun, M.J. *see* Shrout, T.R. 4—52329
Haung, H.-M., Banatao, D., Perlegos, G., Wu, T.-C., Chiu, T.-L. A CMOS Ethernet serial interface chip 4—51389
Haung, H.-M., Moseley, G. Manchester chip eases the design of Ethernet systems 4—59930
Haunreiter, H., Kleinsteuber, R. A computer method for frequency planning 4—60952
Haupt, L. *see* Bizzarri, R. 4—55976
Haupt, R.L. Simultaneous nulling in the sum and difference patterns of a monopulse antenna 4—47662
Haupt, U. Finalisation of the initial digital compilation of all line plans of a regional power utility 4—34033
Hauptman, W.G. *see* Black, A.G. 4—29658
Hauptmann, M. *see* Bunzel, E. 4—56924
Hauptschein, A. Distributed time division multiple access (DTDMA)—principles and analysis techniques 4—38127
Haus, B. *see* Gleichfeld, P.-C. 4—51581
Haus, H.A., Molter-Orr, L., Leonberger, F.J. Multiple waveguide lens 4—52543
Haus, H.A., Yamamoto, Y. Quantum noise of an injection-locked laser oscillator 4—31276
Haus, H.A. *see* Garber, E.M. 4—52388
Haus, H.A. *see* Whitaker, N.A., Jr. 4—55779
Hauschildt, B. Heating the summer house by remote control 4—43644
Hauschildt, B., Hansen, H. The eddy current method for testing materials 4—41123
Hausdorfer, K. *see* Glaser, M. 4—33044
Hauser, J. *see* Klein, H. 4—33599
Hauser, J.R. *see* Arora, N.D. 4—37219
Hauser, J.R. *see* Littlejohn, M.A. 4—30346
Hauser, J.R. *see* Maracas, G.N. 4—61379
Hauser, S., Weiss, W., Schlosser, B. A concept for the automation of test rigs for automobiles 4—57466
Hauser, S. *see* Badelt, W. 4—57583
Hauser, S.G., Johnson, B.M. Increasing power plant efficiency with an ammonia bottoming cycle 4—34445
Hauser, S.G. *see* Brown, L.M. 4—40171
Hauser, S.G. *see* Hane, G.J. 4—40639
Hausler, E., Stein, L. Applications of piezo film for mechanic-electric energy conversion 4—34489
Hausman, W.J. Time-of-day pricing in the US electric power industry at the turn of the century 4—56445
Hauten, H.van den *see* van den Hauten, H.
Hautier, J.P., Manesse, G. The microprocessor control of an asynchronous motor fed by an inverter 4—34678
Hautot, A. *see* Dodu, J.C. 4—34124
Hauze, G.E. *see* Moldenhauer, J.G. 4—42796
Hava, S., Hunsperger, R.G., Sequeira, H.B. Monolithically Peltier-cooled laser diodes 4—42638
Hava, S. *see* Kopeika, N.S. 4—59355
Havard, D.G., Pohlman, J.C. Correction to 'Five years' field trials of detuning pendulums for galloping control' 4—45129
Havas, G., Tsukamoto, T. Local computer network on CSIRONET 4—48218
Have, J.M.ten *see* ten Have, J.M.
Havel, S. Share of SKODA Concern in utilization of nuclear energy in Czechoslovakia 4—56758
Havemann, H. *see* Hansen, A. 4—57200
Havener, R. *see* Kirtland, J.A. 4—61281
Haver, R. Sidac triggers xenon flasher 4—50192
Haverkamp, R. On the convergence of derivatives of interpolating polynomials 4—40997
Haw, B. *see* Stewart, B. 4—38316
Hawe, W. *see* Spirn, J.R. 4—38289
Hawes, A. A report on Maglev rail development 4—35003
Hawke, G.S. *see* Heggie, A.C. 4—61989
Hawke, R.S., Nellis, W.J., Rego, J., Susoeff, A.R., Newman, G.H. Rail accelerator development for ultra-high pressure research 4—42798
Hawkes, G.S., Earle, S.A. A new microsubmersible for deep water work and exploration 4—61968
Hawkes, J.M. A two-element quad 14, 21 and 28 MHz antenna for restricted space 4—31769
Hawkes, P.W. The dependence of electron lens aberration coefficients on object and aperture position 4—41793
Hawkins, B.M. Phenomenological model for degradation of GaAlAs LEDs 4—59363
Hawkins, B.M., Biard, J.R. Low-voltage silicon avalanche photodiodes for fiber optic data transmission 4—59351
Hawkins, R.J. *see* Sibley, M.J.N. 4—54764
Hawkins, T. Expert exports [telecommunication consultancy] 4—60288
Hawley, D. *see* Woodruff, R. 4—58480
Hay, B.G. *see* Gingell, M.J. 4—31710
Hay, J.L., Crosbie, R.E., Pearce, J.G. ESL: a simulation language for the space industry 4—44823
Hay, M. Facing the test problems to come 4—50511
Hay, M. *see* Hounsom, T. 4—50494
Hayahara, E. Equivalent RC circuit representation of switched capacitor networks 4—41477
Hayahara, E. Design of active filters simulating node equations of LC filters 4—46562
Hayakawa, H. *see* Akoh, H. 4—52487
Hayakawa, H. *see* Kurosawa, I. 4—51189
Hayakawa, H. *see* Nakagawa, H. 4—51090, 4—51091, 4—52489, 4—52513
Hayakawa, H. *see* Ohhigashi, H. 4—51094
Hayakawa, H. *see* Sakai, S. 4—52488
Hayakawa, H. *see* Sogawa, E. 4—51093
Hayakawa, I. Thyristor converter 4—45504
Hayakawa, K. *see* Hokkyo, J. 4—30995
Hayakawa, M. *see* Ochiai, Y. 4—42223
Hayakawa, M. *see* Okada, T. 4—59738
Hayakawa, M. *see* Yamanaka, Y. 4—59739
Hayakawa, T., Hironaka, K., Ikari, S., Iijima, S. Investigation on reliability for stationary lead acid battery 4—57332
Hayakawa, T. *see* Nishinoma, M. 4—54759
Hayakawa, Y. *see* Kumagawa, M. 4—41036
Hayama, H. *see* Sueyoshi, T. 4—30946
Hayama, M., Toda, K. An acoustic imaging system by use of a Lamb wave device 4—52372
Hayamizu, S., Mikuni, I., Tanaka, K., Ohmura, H., Itahashi, S. A collecting and editing system of speech data for research 4—43228
Hayamizu, S., Oka, R. Methods for recognizing continuous speech by using continuous dynamic programming, and their application 4—43225
Hayamizu, S., Oka, R. Comparison of the parameters utilized in recognizing continuous speech by using continuous dynamic programming 4—43226
Hayamizu, S., Oka, R. Experimental studies on the connected words recognition using continuous dynamic programming 4—59960
Hayamizu, S. *see* Itahashi, S. 4—43213
Hayano, S. *see* Saito, Y. 4—30138
Hayasaka, A. *see* Tamaki, Y. 4—29880
Hayasaka, H. *see* Taniguchi, H. 4—40124
Hayase, I. *see* Nakata, T. 4—47564
Hayashi, A., Kitagawa, Y. Optical-fiber sensor for distance and velocity measurements 4—33277
Hayashi, A., Kitagawa, Y. 2-D image-velocity sensor with a pair of optical fiber arrays 4—61262
Hayashi, A., Kitagawa, Y., Matsumoto, T., Yoshiyama, Y. Performance of an edge sensor with arrayed optical fibers 4—47288
Hayashi, A., Taguchi, J., Kitagawa, Y. Distance sensor with an optical-fiber-array spatial filter 4—44500
Hayashi, H. *see* Matsui, S. 4—53011
Hayashi, H. *see* Oh-uchi, N. 4—36810
Hayashi, I. *see* Kinoshita, K. 4—61735
Hayashi, I. *see* Kozuka, S. 4—38406
Hayashi, J. *see* Kasahara, K. 4—31230, 4—37227, 4—52966
Hayashi, J. *see* Suzuki, A. 4—31246
Hayashi, J. *see* Uji, T. 4—52821
Hayashi, K., Koshizuka, N. Growth of magneto-optic crystals by the flux method 4—29436
Hayashi, K. *see* Furuya, G. 4—32526
Hayashi, K. *see* Han, K. 4—40550
Hayashi, K. *see* Koshizuka, N. 4—59138
Hayashi, K. *see* Shintani, A. 4—30802
Hayashi, K. *see* Sugahara, K. 4—51465
Hayashi, M., Komiya, A., Ebara, H., Hanada, T. Design of globe-shaped compact fluorescent lamp with an incandescent base 4—62800
Hayashi, M. *see* Kouno, T. 4—34211
Hayashi, M. *see* Takiue, M. 4—33663
Hayashi, N. *see* Fujimori, Y. 4—62783
Hayashi, R. Instrumentation for frequency and time standards—outline 4—33415
Hayashi, R., Kimura, S. Theoretical and experimental investigations on the high effective subharmonic injection locking of IMPATT oscillators in millimeter wave region 4—41596
Hayashi, R. *see* Urabe, S. 4—33418
Hayashi, S., Honda, M., Kitawaki, N. Efficient coding of high-quality sound by an adaptive prediction scheme 4—47810
Hayashi, S., Honda, M., Kitawaki, N. Adaptive predictive coding scheme at 64 kb/s for wide band sound and its real time processing 4—53407
Hayashi, S., Yamanaka, Y., Murakami, T., Yuasa, K., Oyaba, I. A power-supply and control system for fusion reactors 4—62322
Hayashi, S. *see* Shoji, K. 4—44145
Hayashi, T., Unagami, S., Koshikawa, M., Murano, K. Echo canceller with effective double talk control 4—31709
Hayashi, T. *see* Doke, T. 4—55963
Hayashi, T. *see* Ishikawa, R. 4—40516
Hayashi, T. *see* Kawarada, K. 4—38403
Hayashi, T. *see* Kiya, K. 4—59346
Hayashi, T. *see* Murayama, H. 4—39472
Hayashi, T. *see* Ohnishi, A. 4—44833
Hayashi, T. *see* Sasaki, A. 4—42520
Hayashi, T. *see* Sawaki, A. 4—36235
Hayashi, T. *see* Yamashita, T. 4—51717
Hayashi, T. *see* Yamashita, Y. 4—39531
Hayashi, T. *see* Yuasa, Y. 4—52804
Hayashi, Y. Expectations of 3D IC 4—30695
Hayashi, Y., Goto, N., Suzuki, T. Equivalent circuit of a gyrator using current conveyor II (CCII) and its active compensation 4—30009
Hayashi, Y., Nakagawa, M. A study on detection system of abnormal signal by using adaptive digital filter 4—37941
Hayashi, Y., Ohno, S. Analytical method for the scattering problem of surface waves by a conducting strip 4—42847
Hayashi, Y., Sato, M., Yamanaka, M., Sakata, I., Ito, A., Mori, Y. a-Si:H growth by low frequency glow discharge decomposition of SiH_4. Glow discharge excitation frequency 4—35505
Hayashi, Y. *see* Iida, H. 4—34882, 4—45655
Hayashi, Y. *see* Kawanami, H. 4—59258
Hayashi, Y. *see* Kitazawa, T. 4—47644
Hayashi, Y. *see* Krishnasawamy, M.R. 4—33735
Hayashi, Y. *see* Matsumoto, K. 4—42050
Hayashi, Y. *see* Nagai, K. 4—36339
Hayashi, Y. *see* Sakata, I. 4—58752
Hayashi, Y. *see* Sato, N. 4—57044
Hayashida, H. *see* Miyashita, K. 4—57087
Hayashida, M., Hiramoto, K., Yamazaki, K. Fiber optic transmission system delivered to Fusion Research Center of Japan Atomic Energy Research Institute 4—32403
Hayashida, T. *see* Hanamura, S. 4—30790
Hayashida, T. *see* Minato, O. 4—51239
Hayashide, Y., Kamon, T., Kim, S., Kondo, K., Miyashita, S., Miyata, H., Sato, F., Takaiwa, Y., Yamashita, A., Mikamo, S., Mishina, M., Muraki, Y., Murakami, A., Atac, M., Freemen, J.E., Hanssen, D.R., Urish, J.C., Yamada, R., Yoh, J. π/e separation with prototype CDF end plug gas calorimeters 4—33681
Hayashii, H. *see* Ogawa, K. 4—33682, 4—61670

Hayashimoto, Y. *see* Harada, N. 4—44451
Hayashizaki, H. *see* Suzuki, R. 4—38513
Hayata, K., Koshiba, M., Suzuki, M. Analysis of partially metal-clad and dielectric overlay-loaded diffused optical waveguide 4—31154
Hayata, K., Koshiba, M., Suzuki, M. An efficient approximate scalar finite-element analysis of lossy dielectric optical waveguides 4—47286
Hayata, K. *see* Koshiba, M. 4—37695, 4—47655, 4—52568
Hayden, J. Invariant moments for aircraft attitude measurement 4—33946
Hayden, J.H., Kettler, J.R. Bus arrangements for synchronous orbit spacecraft 4—34774
Haydl, W.H. Pill-box capless thermal-heat-pulse annealing of ion-implanted GaAs 4—30492
Haydon, F.C. *see* Dierks, M.M. 4—51373
Haydon, S.C., Sato, N. Nanosecond image-intensifier studies of pulsed RF corona in air and nitrogen 4—46776
Haydon, S.C. *see* Cook, D.C. 4—37768
Haydon, S.C. *see* Plumb, I.C. 4—37767
Haye, C.H.de la *see* de la Haye, C.H.
Hayes, A. *see* Schwieger, B. 4—56836
Hayes, D. *see* Perry, R. 4—46418
Hayes, E.J. *see* King, J.V. 4—32755
Hayes, E.R. *see* Miller, J.F. 4—40414
Hayes, J. Efficient speed control of AC motors 4—45400
Hayes, J., Lange, S. A heterodyne interferometer for testing laser diodes 4—59564
Hayes, J.E. Testing and troubleshooting fibre-optic systems 4—44132
Hayes, J.P. Fault modeling for digital MOS integrated circuits 4—52277
Hayes, J.P. *see* You, Y. 4—46477
Hayes, J.R., Adams, A.R., Greene, P.D. Low-field carrier mobility 4—30344
Hayes, J.R., Capasso, F., Malik, R.J., Gossard, A.C., Wiegmann, W. Elimination of the emitter/collector offset voltage in heterojunction bipolar transistors 4—36560
Hayes, M.H. *see* Gaby, J.E. 4—53725
Hayes, M.H. *see* Thomas, D.M. 4—60092
Hayes, R.E. *see* Sheldon, P. 4—50750
Hayes-Roth, F., Wallich, P., Guterl, F., Truxal, C., Frey, C., Maccoby, M., Iacono, S., Kling, R., Shaiken, H. Beyond 1984: technology and the individual—work 4—50398
Hayet, L., Horovitz, B.N. Indirect lighting design meets tight energy budget 4—57527
Hayhoe, G.F. *see* Sri-Jayantha, M. 4—40544
Haykin, S. Least squares adaptive antenna for angle of arrival estimation 4—37770
Haykin, S. *see* Currie, B.W. 4—33988
Haykin, S. *see* Stehwien, W. 4—32848
Haykin, S. *see* Vertatschitsch, E. 4—31751
Hayman, P.W., Roth, J.R. A comparison of main-line and alternate approaches to fusion energy and their application to commercial power production 4—62337
Haymond, R.E., Jarvis, J.P., Shier, D.R. Computational methods for minimum spanning tree algorithms 4—29352
Hayn, H. *see* Schreiber, K. 4—34170
Haynes, C.J. *see* Curlett, P.L. 4—49778
Haynes, D. Micronet on Prestel 4—43715
Haynes, G.A. *see* Pettengill, R.C. 4—36752
Haynes, J.T., Salvo, H., Moore, R.A., McAvoy, B.R. Low phase noise multiple frequency microwave source 4—36985
Haynes, J.T. *see* Rossman, H. 4—30927
Haynes, W.J. *see* Astbury, A. 4—33756
Haynes, W.M. *see* Masui, R. 4—55712
Hays, M. Videotex: a window into office automation 4—48132
Hayse, C.E. *see* Millman, J.T. 4—54885
Hayward, B.R. *see* Gold, R. 4—39459
Hayward, C., Johnson, A.H. Fiber-optic cable connector with resilient mounting between the cable and the locating and locking body to permit slight movement for alignment before fusion splice 4—47260
Hayward, C.E., Johnson, A.H. Connector for optical fiber cable with key for setting radial alignment for minimum loss 4—37115
Hayward, D., Gawayne, M., Mahboubian-Jones, B., Pethrick, R.A. Low-frequency dielectric measurements (10^{-4} to 6×10^{4} Hz): a new computer-controlled method 4—55643
Hayward, D. *see* Darlington, H.T. 4—56459
Hayward, G. A systems feedback representation of piezoelectric transducer operational impedance 4—49487
Hayward, G., Jackson, M.N. Discrete-time modeling of the thickness mode piezoelectric transducer 4—52351
Hayward, G., Jackson, M.N. The use of z-transforms in modelling piezoelectric transducers 4—52368
Hayward, G., Jackson, M.N. A study of electronic switching devices for the characterisation of ultrasonic probe assemblies 4—56362
Hayward, G. *see* Cordero-Iannarella, R.F. 4—61328
Hayward, G. *see* Jackson, M.N. 4—52367
Haywood, S.K. *see* Hillen, M.W. 4—30464, 4—59061
Hazell, M.S., Davies, B.H. A fully distributed approach to the design of a 16 kbit/sec VHF packet radio network 4—38126
Hazeltine, B. Technology: what it is and why one should care 4—35194
Hazelton, R.C. *see* Hadjipanayis, G.C. 4—30952
Haznadar, Z., Berberovic, S. Numerical methods for calculation and design of earthing systems 4—39912
Hazony, D., Parmlind, O. Dielectric constant determination at millimeter waves and elevated temperature 4—39293
Hazout, E. *see* Kopeika, N.S. 4—59326
Hazra, S.N. Linear phase bandpass digital filters with variable cutoff frequencies 4—51439
Hazuki, Y. *see* Moriya, T. 4—36496
He, D., Baker, C.J., Hall, D.R. Discharge striations in RF excited waveguide lasers 4—42529
He, D., Hall, D.R. Frequency dependence in RF discharge excited waveguide CO_2 lasers 4—42526
He, D., Hall, D.R. Influence of xenon on sealed-off operation of RF-excited CO_2 waveguide lasers 4—52901
He, J.Q. *see* Ku, W.H. 4—58538
He, Q.-M. An external problem on the connectivity of graphs 4—40956
He, Y.-K., Lipo, T.A. Computer simulation of an induction machine with spatially dependent saturation 4—45443
He Bengdong *see* Zhang Yingzhong 4—54333
He Chong-fan *see* Chong-fan He
He Da-Ren *see* Da-Ren He
He Deng *see* Deng He
He Guangsheng, Cheng Yudan, Zhou Fuxin, Yu Bingkun, Wang Fugui, Liu Min, Liu Songhao Experimental study on resonance-coupled two-wave stimulated Raman scattering 4—53059
He Guozhen *see* Xu Jie 4—31306, 4—59595
He Huijuan, Lu Guoxian, Li Yongchun, Gu Shengru, Qian Linxing, Zhao Longxing A high repetition rate mode-locked Nd:YAG laser and analysis on its thermally stable resonator 4—31352
He Huijuan, Lu Guoxian, Li Yongchun, Qian Linxin, Gu Shenru, Zhao Longxin A high repetition rate and mode-locked phosphate glass laser 4—59481
He Huijuan *see* Li Yongchun 4—47491
He Jia-xing *see* Zhu An-min 4—40994
He Jing-tang *see* Jing-tang He
He Jingliang *see* Jingliang He
He Maoqi, Gao Rufang, Zheng Jiabiao, Zhao Youyuan Investigation of a tunable high-power CW CO_2 laser using a compound cavity 4—37324
He Qisheng *see* Lou Qihong 4—59409
He Yi-Kang *see* Yi-Kang He
He Yuchuan *see* Guan Tieliang 4—59280
He Zheng-quan, Wang Zhu-hong A study of acquisition behavior for second-order phase-locked loop 4—58204
He-lie Luo *see* Luo He-lie
Heacock, F.A., Jr., Kissam, T.E., Finney, J.A., Jr. Experiences in the successful upgrading of a hot-side precipitator 4—49769
Head, J.F. Role of the consultant in offshore oil industry projects 4—50406
Heald, M.A. Electric fields and charges in elementary circuits 4—40726
Heald, S.M. Focusing X-ray monochromator for EXAFS studies in the energy range 4-30 keV 4—56053
Healey, D.J., III, Hahn, H., Powell, S. A measurement technique for determination of frequency versus acceleration characteristics of quartz crystal units 4—33140
Healey, P. Optical time domain reflectometry—a performance comparison of the analogue and photon counting techniques 4—39341
Healey, P. Fading rates in coherent OTDR 4—44629
Healey, P., Booth, R.C., Daymond-John, B.E., Nayar, B.K. OTDR in single-mode fibre at 1.5 μm using homodyne detection 4—37103
Healey, W.H. An integrated data communications interface system 4—60360
Healy, J.D. *see* Brush, G.G. 4—46044
Healy, T.J. Coding and decoding for multiple access communication systems 4—31886
Heap, H.R. Electrical plant maintenance—prevention is better than cure 4—35241
Heap, H.R. The maintenance of electrical installations: prevention is better than cure 4—35256
Heap, S., Hall, R.C. Total network management—the emerging British Telecom trunk scene 4—60418
Heaps, P. *see* Babiskin, R. 4—32432
Heard, P.J. *see* Cleaver, J.R.A. 4—36380
Hearn, A.S. *see* Yuan, H. 4—51169
Hearn, E. *see* Barbee, S.G. 4—36406
Hearn, E.W. *see* Ahlgren, D.C. 4—36407
Hearn, H.C. Thermodynamic considerations if bipropellant blowdown systems 4—44896
Heasell, E.L. An analysis of the collection mechanisms in inversion layer solar cells 4—50066
Heath, F.G., Foulk, P.W. Analysis and restructuring of concurrent systems using Prolog 4—58973
Heath, G.E., Miron, D.B. Comments on 'The singular integral problem in surfaces' [and reply] 4—47542
Heath, J.R. *see* Franta, W.R. 4—38304, 4—48420
Heath, M. A broadband integrated service network [cable TV] 4—55015
Heathman, A.C. *see* Gardiner, J.G. 4—37681
Heaton, H.H., III *see* Petrofsky, J.S. 4—44765, 4—44768, 4—44778
Heaton, J.L., Fabian, W., Snider, C.R., Spooner, F.H., Kraemer, E.H. Millimeter wave GaAs mixer diodes fabricated using selective epitaxial deposition or deep mesa etching 4—58536
Heaton, J.M. *see* Ward, A.A. 4—47529
Heaviside, C.A. Home-made antenna rotator 4—47700
Hebel, Z., Mesic, M. Analysis of electric power demand in the 'Elektroprivreda Zagreb' system using a UNIVAC 1100 computer 4—62577
Heber, A.J. *see* Martin, C.W. 4—34507
Heber, M. *see* Scharff, W. 4—29512, 4—41061
Heberlein, T. *see* Linz, D. 4—45823
Hebert, C.J.D. *see* Ushida, N. 4—56030
Hebert, J. *see* Ushida, N. 4—56030
Hebner, R.E. *see* Kelley, E.F. 4—30870
Hebron, D.E. *see* Leeper, R.J. 4—33772
Hecht, D.L. Multibeam acoustooptic and electrooptic modulators 4—31197
Hecht, D.L. Three dimensional acoustooptic dispersion effects in acoustooptic devices for optical information processing 4—52740
Hecht, D.L. *see* Flores, L.N. 4—42411
Hecht, D.L. *see* Sprague, R.A. 4—31527
Hecht, M.H. *see* Vasquez, R.P. 4—41981
Hechtfischer, D. *see* Grohmann, K. 4—55617
Heck, B., Meyer-Ebrecht, D. Strain-gauge sensor with frequency output 4—55436
Heck, B. *see* Brand, C. 4—33639
Heck, B. *see* Darbo, G. 4—33648
Heck, W. *see* Arefiev, A. 4—55843
Heck, W. *see* Artemiev, V. 4—61684
Heckeler, K.C., Yanagihara, K. A review of determining the effective solids for magnet wire enamel 4—30145
Heckenberg, N.R. *see* Shanahan, S.T. 4—47418, 4—47502, 4—52904
Hecker, E.P. *see* Boyle, W.B. 4—29228
Hecker, G. Topical questions on the electricity economy 4—44977
Hecker, R. *see* Englmeier, K.H. 4—33827
Hecker, W., Rossler, F., Moschwitzer, A. LSINE-T—a new logic and timing simulation program for LSI and VLSI circuits 4—46402
Hecker, W. *see* Rossler, F. 4—47134
Heckingbottom, R. *see* Davies, G.J. 4—50758
Heckingbottom, R. *see* Prior, K.A. 4—29492
Hector, J. *see* Davat, B. 4—34608
Hedelin, P. A glottal LPC-vocoder 4—53488
Hedge, K. AT&T's Olympic network 4—60349
Hedgepeth, J.M. Design concepts for reflector antenna structures 4—42945
Hedges, S.A. Triple-channel interferometer radio direction finder minimizes error-source effects 4—54910
Hediger, T. *see* Passamante, A. 4—37981
Hedin, R.A., Stump, K.B. Control subsynchronous resonance 4—34029
Hedinger, R.A. Satellite systems for rural or light traffic 4—54718
Hedinger, R.A., Jeruchim, M.C. On the relationship between geostationary orbit capacity and the interference allowance 4—54676
Hedrich, S. 15 years research and development in the field of maglev high speed lines at the example of the TRANSRAPID 4—50154
Hee Don Seo *see* Se Gon Choi 4—47014
Hee Dong Kim, Chong Kwan Un An ADPCM system with improved error control 4—47764
Hee-Ro Kwak Characteristics of transient overvoltages for the towers with time varying tower footing resistance 4—62225
Hee-Yeung Hwang *see* Byung-Chul Kim 4—46411
Heede, T.M.Vanden *see* Vanden Heede, T.M.
Heegard, C. Algebraic codes for optical data disks 4—47769
Heegard, C., Berger, T. Rate-distortion when side information may be absent 4—37804
Heegard, C., Johnson, C.R., Jr., Lyons, J.P., Jr. Quantizer effects in RML-based ADPCM 4—53380
Heeler, A. *see* Merry, P. 4—54319
Heerens, W.C. *see* Jongeling, T.J.M. 4—55682
Heerens, W.Chr. *see* Simons, J. 4—53172
Hefang Hu *see* Hu Hefang
Heffernan, D.M Long switching times in absorptive bistable systems 4—59607
Heffner, G.C., Thompson, R.P. A review of 1983 dispatchable load management operations at Pacific Gas and Electric Co 4—56464
Hegarty, J., Poulsen, S.D., Jackson, K.A., Kaminow, I.P. Low-loss single-mode wavelength-division multiplexing with etched fibre arrays 4—60840
Hegarty, W.H. *see* Jiing-Lih Farh 4—50623

Hege, H. Microprocessor-controlled call diverter 4—60602
Hegedus, S.S. The photoresponse of $CdS/CuInSe_2$ thin-film heterojunction solar cells 4—45641
Hegedus, S.S. Transport properties of LPCVD a-Si:H solar cells 4—62705
Hegenbarth, M. The new modems 4—38360
Hegenbarth, M. Validation of communication recording 4—54378
Heger, H., Braatz, U. Optimization problems of safeguards concepts for nuclear power plants 4—62314
Heggestad, H.M. An overview of packet-switching communications 4—38312
Heggie, A.C., Hawke, G.S. Air quality monitoring using integrating nephelometers: operational considerations and data interpretation 4—61989
Hegner, W. *see* Kayser, W. 4—58105
Hegyi, S. *see* Bydzovsky, J. 4—47204
Hehl, K. *see* Dietel, W. 4—47435
Hehn, A.H. Troubleshooting the compressed air system. III. AC and DC pneumatic valve solenoids 4—53187
Heiblum, M., Mendez, E.E., Osterling, L. High purity GaAs and AlGaAs grown by MBE 4—50765
Heiblum, M., Mendez, E.E., Stern, F. High mobility electron gas in selectively doped *n*:AlGaAs/GaAs heterojunctions 4—41862
Heiblum, M. *see* Dumke, W.P. 4—52068
Heiblum, M. *see* Mendez, E.E. 4—51814
Heiblum, M. *see* Nathan, M.I. 4—51817
Heid, J. The Echo voice synthesizer 4—43232
Heid, W., Speh, R. Digital protection in medium voltage networks 4—34214
Heidary, M. *see* Stephenson, F.W. 4—35963
Heidbreder, G.R. *see* Halevy, S. 4—54856
Heide, E.K. *see* Kamayev, R.R. 4—31756
Heide, K. *see* Altmann, S. 4—35245
Heidel, D.F. Long-line driver receiver [for Josephson junction circuits] 4—51140
Heidel, D.F. *see* Arnett, P.C. 4—52500
Heidelberg, G., Schulz, S., Schulz, T. The Berlin maglev project 4—50153
Heideman, G.H.L.M., Wanschers, L.H. Applications and performance of a human observer oriented transform for image coding with low bit rates 4—43474
Heideman, M.T., Burrus, C.S., Johnson, H.W. Prime factor FFT algorithms for real-valued series 4—58000
Heiden, C. *see* Beranek, R. 4—44902
Heiden, C. *see* Wellstood, F. 4—56277
Heiden, J.A.van der *see* van der Heiden, J.A.
Heidorn, R.E., Nieng, K.Y. Updating software in a real-time distributed system 4—32587
Heidrich, W. *see* Gabel, J. 4—32318
Heiges, H.H. *see* Stoll, H.G. 4—49733
Heighes, J. *see* Aggleton, M.J. 4—59097
Heighway, E.A. A mesh generator for automatically subdividing irregular polygons into quadrilaterals 4—29385
Heijden, R.W.van der *see* van der Heijden, R.W.
Heijer, C.den *see* den Heijer, C.
Heikkila, K.E., Whitney, L.C., Peterson, G.K., Pylkki, R.J. Factors affecting through-hole plating 4—46718
Heikkila, T. Field testing of satellite television receivers 4—32918
Heikkila, W.W. *see* Duhachek, J.G. 4—58247
Heikkila, W.W. *see* Preckshot, N.E. 4—30765, 4—36830
Heil, R. *see* Drexler, J. 4—39419
Heil, T.C. *see* Barkan, J.L. 4—48731
Heiland, G. *see* Thoren, W. 4—51785
Heilbronn, D.J. Microcode for the control processor of the ARO Array Processor 4—54871
Heilig, K. Improvement of the transient response of the source follower by adding a capacitive load 4—41219
Heilig, K. Method for reduction of hysteresis effects in MIS measurements 4—46887
Heilmann, K., Pagnin, P. Examples of ready-made cables with the subminiature plug connector SBM 383 4—46669
Heilmann, W., de Vittorelli, J. Tele-programming in the German Federal Republic 4—48064
Heim, D.E. *see* Hoyt, R.F. 4—33440
Heim, M. *see* Dammann, G. 4—54525
Heimann, P.A., Schutz, R.J. Optical etch-rate monitoring: computer simulation of reflectance 4—46952
Heimann, R.B., Ives, M.B., McIntyre, N.S. The effect of deposition mechanism on the composition of surface films on silicon 4—29513
Heime, K. *see* Daembkes, H. 4—52102
Heime, K. *see* Dambkes, H. 4—30653, 4—36060, 4—51823
Heime, K. *see* Loreck, L. 4—36623
Heimeier, H., Henne, G., Klein, W., Najmann, K. Reliability monitor 4—29866
Heimeier, H., Klein, W., Klink, E., Wernicke, F.C. MTL/I^2L memory cell 4—29870
Heimes, K. *see* Bachus, E.-J. 4—54808
Hein, R.E. *see* Hughes, D.J. 4—40167
Heindl, R. *see* Ezzaouia, H. 4—50737
Heindler, M. *see* Niederl, K. 4—34327
Heinen, J.A. *see* Reyer, S.E. 4—46573
Heinle, G., Klautschek, H. AC drives with SIMOVERT A frequency converters on the new 6SC22 series 4—57399
Heinlein, W.E. *see* Etzkorn, H. 4—42342
Heinlein, W.E. *see* Francois, P.L. 4—59210
Heinonen, P., Saramaki, T., Malmivuo, J., Neuvo, Y. Periodic interference rejection using coherent sampling and waveform estimation 4—51432
Heinrich, B. Numerical solution of elliptic differential equations using discrete functions 4—50720
Heinrich, C. *see* Miri, A.M. 4—49603
Heinrich, H. *see* Eisenbeiss, A. 4—51776
Heinrich, J., Hollenberg, K., Behmenburg, W. Saturation of resonant frequency conversion processes in cadmium vapour 4—31467
Heinrich, L. Some estimators for the first-order *n*-fold Palm moment measure and their application to the investigation of dependences in point patterns 4—50640
Heinrich, P., Knop, K., Schoppen, M. Advanced control engineering in the SICARTSA/Mexico HYL-III direct reduction plant 4—50243
Heinrich, P. *see* Covarrubias, A.J. 4—45036
Heinrich, V., Kofler, J., Nauth, H.G., Sticker, H., Tandjung, H. Magnetic head stiction detection 4—37024
Heinrich, W. *see* Drechsel, H. 4—55953
Heinrich, W. *see* Sonntag, S. 4—55911
Heinrich, W. *see* Trakowski, W. 4—55912
Heinrichs, H. *see* Grundey, T. 4—55787
Heintz, K. *see* d'Orville, H. 4—38508
Heintz, K. *see* Schambeck, W. 4—60745
Heintzenberg, J. *see* Renger, W. 4—61934
Heinz, B. Technology of simultaneous evaporation with electron beam guns for metallization of semiconductor devices 4—46975
Heinze, E. Private- and common-carrier paging 4—38204
Heinze, H.-J., Kunkel, H. ARMA—filtering of evoked potentials 4—33849
Heinzen, H. *see* Stahli, K. 4—48354
Heinzer, W., Kroczek, K.D. Digital switching of analog signals with the DG 308A 4—51485
Heirman, D.N. Proposed immunity measurement techniques portion of ANSI C63.4 4—37670
Heisch, J. Service quality in low-voltage systems. General principles 4—34186
Heise, K. *see* Swiontkowska, M. 4—45119
Heisel, F. *see* Geist, P. 4—53129
Heiser, E.L. *see* Konitzer, D.G. 4—31545
Heiserman, R.L. Senior projects 4—40754
Heisig, R. *see* Klein, H.-H. 4—41080
Heising, C. *see* O'Donnell, P. 4—62499
Heisseluft, E. Fluidic-logic circuits and their early application to amateur radio 4—32144
Heiszler, M. *see* Nasser, E. 4—55667
Heitmann, D. *see* Wieck, A.D. 4—51896, 4—58813
Heitmann, H.G., Schub, P., Seiffert, K., Braun, D. Experience with the AVT (all volatile treatment) operating regime in the secondary circuit of pressurized water reactors 4—34329
Heitmann, J. Digital video recording-basics, standardisation, development. II. Channel coding and error protection 4—38865
Heitmann, J. Digital video recording. Basics. Standardisation. Development. IV. The sound in digital videorecorders (DVTR). Appendix. Final developments of international standardisation 4—61148
Heitmann, J., Loos, R., Muller, J. Digital video recording. Basics, standardisation, developments. III. An experimental digital videorecorder 4—44281
Heitmann, W., Blondel, M., Costa, B., Bonnedal, D., Kurki, J., Novak, R.P. Comparative spectral attenuation measurements on optical fibres: final report by members of COST 208 4—47273
Heitmeier, R. *see* von der Haar, F. 4—56179
Heitzmann, R. A Btx cooperation model for public institutions 4—54279
Heizer, K.W. *see* Rohrer, R.A. 4—50893
Hejn, K., Golos, M. The test method of remote control circuits SAA 1050/1051 4—48724
Hejn, K., Kwiatkowski, M. Method for rectangular wave parameters evaluation 4—47863
Hejn, K. *see* Badzmirowski, K. 4—46525
Helbert, J.N. Photoresist adhesion promoters for gold metallization processing 4—30571
Held, G. Expanding the uses of data compression 4—47816
Held, G. Microcomputer network strategies: three methods 4—48188
Held, G. Standards would reduce cost of async micro communications 4—54330
Held, J. *see* Korschinek, G. 4—33591
Helferty, J.J., Fischl, R. On the selection of security index for monitoring the size of security regions 4—62234
Helix, M. *see* Carney, J.K. 4—52692
Helix, M. *see* Lee, G. 4—29823
Helix, M.J. *see* Abrokwah, J.K. 4—52094
Helix, M.J. *see* Carney, J.K. 4—31177
Helix, M.J. *see* Chen, T.H. 4—59036
Helix, M.J. *see* Lee Kang 4—36585
Helix, M.J. *see* Vu, T.T. 4—29781, 4—35746
Hell, R. Speech control for dictation equipment 4—33054
Hellblom, G. *see* Delaunay, M. 4—61649
Heller, A. Hydrogen-evolving solar cells 4—40441
Heller, A. *see* Trissl, K.-H. 4—55065
Heller, B. *see* Hamata, V. 4—56988
Heller, B.W. *see* Hughes, D.J. 4—40167
Heller, D., Hammer, A. Performance of radar range estimators using Bayes learning 4—44157
Heller, D.E. Decomposition of recursive filters for linear systolic arrays 4—53588
Heller, D.F. *see* Horowitz, L. 4—47497
Heller, L.G., Griffin, W.R., Davis, J.W., Thoma, N.G. Cascode voltage switch logic: a differential CMOS logic family 4—51167
Helleseth, T. Further classifications of codes meeting the Griesmer bound 4—43109
Helley, M.Le *see* Le Helley, M.
Helling, K. 25 years of remote controlled transformer plants 4—45474
Hellings, G.J.A. *see* Straayer, A. 4—31244
Hellmalm, B. *see* Bergvall, K. 4—43651
Hellman, S. *see* Bizzarri, R. 4—55976
Hellmann, J. Sensitivity analysis for transfer functions 4—29582
Hellmann, J. Resistance calculations for a loaded potential divider 4—35983
Hellmann, J. Computation of phase angle with the ATN function 4—46296
Hellmann, J. Adjacent channel and image frequency interference 4—47628
Hellriegel, P. The advance: speed and exactness in HF power measurement 4—44408
Hellriegel, P. Spectrum analysers 4—61296
Hellriegel, P. Modulation meters 4—61428
Hellriegel, P. Frequency counters 4—61429
Hellwarth, R.W. Optical beam phase-conjugation by stimulated backscattering in multimode optical waveguides 4—31498
Hellwig, H.-E. Catalogue of criteria for selecting CAD systems 4—50482
Helm, M., Zoller, P. On the model dependence of laser temporal coherence effects in multiphoton transitions 4—31459
Helm, S. Constructing the large-scale GROWIAN wind energy converter 4—49821
Helmbold, M. Alpha particle spectroscopy—a useful tool for the investigation of spent nuclear fuel from high temperature gas-cooled reactors 4—56026
Helme, B., Nikias, C.L. A high-resolution modified Burg algorithm for spectral estimation 4—31989
Helme, B., Nikias, C.L. A high-resolution modified algorithm for spectral estimation 4—53721
Helmreich, D. Silicon for solar cells 4—41037
Helms, C.R. *see* Taubenblatt, M.A. 4—36326
Helstrom, C.W. Output distributions of electrons in a photomultiplier 4—30282
Helstrom, C.W. Computation of output electron distributions in avalanche photodiodes 4—47350
Helstrom, C.W., Rice, S.O. Computation of counting distributions arising from a single-stage multiplicative process 4—36237
Helszajn, J. *see* Nisbet, W.T. 4—51522
Helton, J.W. An H^∞ approach to control 4—50889
Hemard, J. *see* Choquet, M. 4—54490
Hemenway, B.R. *see* Bowers, J.E. 4—37395, 4—52995
Hemetsberger, J. *see* Wimmer, L. 4—36979
Heming, L. *see* Iliadis, A. 4—57043
Hemmati, F., Schilling, D.J., Eichmann, G. Adjacencies between the cycles of a shift register with characteristic polynomial $(1+x)^n$ 4—51371
Hemmati, F. *see* Fang, R. 4—32778
Hemmati, F. *see* Han, W.K. 4—43093
Hemmatian, M.A. *see* Yu, C. 4—36073
Hemment, P.L.F., Mynard, J.E., Pasztor, E., Richmond, C.J., Stephens, K.G. A new Research Implanter at the University of Surrey 4—36446
Hemment, P.L.F. *see* Tuppen, C.G. 4—46940
Hemment, P.L.F. *see* Wyncoll, J. 4—41907
Hemmi, M. *see* Miyazawa, Y. 4—55796
Hemming, L.H. The chamber factor: A method of correlating to the open field site 4—39263
Hen-wai Tsao, Tung-sen Cheng, Lin-shan Lee Design and implementation of a high efficiency TFM digital modem 4—48406
Henaux, J.-C., Vernet, G., Adde, R. Sensitivity of a wide-band FIR receiver using a Josephson self oscillator mixer 4—59165
Henaux, J.-C., Vernet, G., Adde, R., Bolomey, J.-C. Absolute measurement at 1 THz of the optical coupling of a FIR conical antenna with a Josephson detector 4—59840
Henaux, J-C. *see* Vernet, G. 4—37063
Henchoz, P.-D., Luthy, W., Schmiele, R. Intensity dependence of the self-induced dynamic Stark shifting in a thallium laser 4—42546
Henck, R. Silicon detectors for electrons and X-rays. Working, manufacture and performances 4—61703
Henck, R. *see* Burger, P. 4—33711
Hencke, H. Hall effect and permalloy current sensors 4—55387
Hendel, R. *see* Kastalsky, A. 4—58525
Hendel, R. *see* Luryi, S. 4—36639
Hendel, R.H. *see* Luryi, S. 4—47030

Hendershot, J. The ACSB connection 4—60684
Hendershot, J.R. Servicing ACSB on a small budget 4—38470
Henderson, A. *see* James, J.R. 4—37781, 4—39610
Henderson, A. *see* Yoshino, T. 4—59964
Henderson, A.R. Laser radiation hazards 4—39621
Henderson, C., White, J.C.F. Control and instrumentation design 4—62394
Henderson, D. *see* White, J.C. 4—42523
Henderson, G.E., Jr., Scaduto, A.F. Post-exposed wafer preservation 4—30482
Henderson, I.E., Winarski, D.J. Media-thickness sensing [tape drive applications] 4—33460
Henderson, J. *see* Taylor, B.E. 4—36161, 4—41732
Henderson, J.H. Energy saving through utility bill analysis 4—56420
Henderson, J.H. The 15th edition IEE regulations—the supply industry's viewpoint 4—62064
Henderson, R.A. Communications engineering research satellite (CERS)—spacecraft 4—38575
Henderson, R.C. *see* Mayer, D.C. 4—42164
Henderson, R.I., Dutton, F.A. Aspects of the design and manufacture of domestic DBS antennas 4—37758
Henderson, T., Pearah, P., Morkoc, H., Nilsson, B. Transient annealing of modulation-doped GaAs/$Al_xGa_{1-x}As$ heterostructures 4—36393
Henderson, T. *see* Arnold, D. 4—30639
Henderson, T. *see* Masselink, W.T. 4—58767
Henderson, T.C., Fai, W.S. The 3-*D* Hough shape transform 4—53890
Henderson, T.S. *see* Fischer, R. 4—52101
Henderson, W.D. The use of floor panel energy storage in a heat pumped heated dwelling 4—50237
Hendricks, C.D., Kim, K. Interaction of a stream of dielectric spheres in an electric field in a high vacuum 4—53146
Hendricks, C.J. Laser-induced chemical etching of kerf for multilevel metal processing sequence 4—41991
Hendricks, C.J. Planarization of films used in IC fabrication by laser-induced chemical etching 4—42105
Hendricks, H.D., Murray, N.D. Wavelength division multiplexing for future space station data systems 4—60837
Hendricks, J.R., Rusen, W.R., Patrick, G.B. Considerations in seismic qualification of insulation systems 4—35295
Hendrickson, B.M. Fibre optics in the US Air Force 4—60870
Hendrie, D. Di-lepton spectrometer based on the lampshade magnet 4—39497
Hendriks, M., Delhez, R., de Keijser, Th.H., Radelaar, S. Carbon doped polycrystalline silicon layers 4—35510
Hendrix, G.J. *see* Gruber, G.J. 4—46267
Hendrix, J. The fine grid detector: A parallel electrode position sensitive detector 4—33702
Hendrix, S.P. The 65816 microprocessor. I. Software 4—58347
Hendrix, W.A. *see* Griffin, W.L. 4—57648
Hendry, A., Antar, Y.M.M. Comparison of circular and linear polarisation radar measurements on the melting layer 4—42853
Hendry, A., Antar, Y.M.M. Precipitation particle identification with centimeter wavelength dual-polarization radars 4—49460
Hendy, D.C. Some applications of micro technology to the mining industry 4—33970
Henesian, M.A., Goldhar, J., Haas, R.A. Electro-optic harmonic conversion switch for large-aperture multipass laser systems 4—53081
Henesian, M.A. *see* Goldhar, J. 4—53033
Heng, G. *see* Letournel, M. 4—33559
Heng, T.M.S. *see* Hower, P.L. 4—36620
Henghuber, G. *see* Gotzlich, J. 4—36423
Hengli Zhao *see* Zhao Hengli
Hengst, R.J., Jones, F.D., Vargas, A.A. Multiple base isolation in a common collector bed 4—36804
Hengst, R.J., Mao, R.S., Smith, R.L. Address buffer 4—58421
Hengst, R.J. *see* Cordaro, W. 4—51220
Hengstberger, F., Appenroth, T. The development of a fully automated absolute radiometer 4—61241
Hengyang Zhao *see* Zhao Hengyang
Henins, A. *see* Duval, B.P. 4—55842
Henisch, H.K. *see* Manifacier, J.-C. 4—51734, 4—51870
Henisch, H.K. *see* Moreau, Y. 4—36332
Henkel, M. *see* Simon, M. 4—39432
Henkel, O. State and further development of the materials for electrotechniques 4—35514
Henkel, W. Determining the linearity of A/D converters 4—51319
Henken, G. New communications services for the Siemens Type R30 computers with ORG 300-PV operating systems 4—43818
Henkes, P.R.W. *see* Hagena, O.F. 4—44673
Henley, B.L., Joy, E.F., Nealy, J.C., Weber, M. Stiffener bar for printed circuit card 4—30210
Henley, F.J. Functional testing and failure analysis of VLSI using a laser probe 4—58993
Henne, G. *see* Heimeier, H. 4—29866
Henneberg, M. *see* Rossi, E.M. 4—31015
Henneman, R.L., Rouse , W.B. Human performance in monitoring and controlling hierarchical large-scale systems 4—60337
Hennessy, J. Partitioning programmable logic array—summary 4—35772
Hennessy, J.L. *see* Rowen, C. 4—51305
Hennig, G.J., Grun, R. ESR dating in Quaternary geology 4—39683
Hennigan, A. Deflection processor eliminating TV hold controls 4—38800
Hennigan, A.J. A TV deflection processor which eliminates conventional controls 4—48574
Henniger, J. *see* Tsovboon, V.I. 4—61742
Henning, I.D. High-speed transient effects in quarternary lasers 4—42650
Henning, I.D. *see* Frisch, D.A. 4—53047
Henning, W. High-sensitivity mass spectrometry with a tandem accelerator 4—49099
Henning, W. *see* Binder, J. 4—48831
Hennings, D., Schnabel, P. Dielectric characterization of $Ba_2Ti_9O_{20}$ type ceramics at microwave frequencies 4—36921
Henningsen, J.O. Observation and assignment of torsional transitions in FIR emission from optically pumped CH_3OH 4—59426
Henoch, B.T. Programmable electronic labels put the data base on the product 4—50519
Henrich, K.J. *see* Herring, F.G. 4—32653
Henrich, W. X-ray video systems check IC bonds and pads 4—52179
Henriksen, G.L. *see* Rowan, J.W. 4—40425
Henrikson, H. *see* Forster, A. 4—33636
Henrion, J. *see* Marsden, R.G. 4—39437
Henriquez, T.A. *see* Miller, M.L. 4—56365
Henrist, M. *see* Monfils, A. 4—48968
Henry, B. *see* Maurin, T. 4—34533
Henry, C.H., Henry, P.S., Lax, M. Partition fluctuations in nearly single-longitudinal-mode lasers 4—52970
Henry, C.H., Kazarinov, R.F. Stabilization of single frequency operation of coupled-cavity lasers 4—52975
Henry, E.W. Presentation and analysis of national results for reference case II. Ireland. EC medium term energy modelling 4—39974
Henry, G.H., Logan, R.A., Merritt, F.R., Bethea, C.G. Radiative and nonradiative lifetimes in *n*-type and *p*-type 1.6 μm InGaAs 4—36267
Henry, H.G., Dawson, D.E., Lemnios, Z.J., Kim, H. Hot-plate alloying for ohmic contacts to GaAs 4—52031
Henry, H.G. *see* Dickens, L.E. 4—58540
Henry, J.J. *see* Sri-Jayantha, M. 4—40544
Henry, K. *see* Beck, J. 4—51304
Henry, M. *see* Goloubkoff, M. 4—52284
Henry, P.S. *see* Chraplyvy, A.R. 4—31121, 4—32832, 4—52641
Henry, P.S. *see* Henry, C.H. 4—52970
Henry, R.L. *see* Boos, J.B. 4—36061, 4—52119
Henry, R.M. *see* Naghdy, F. 4—49115
Henry, R.M. *see* Stoodley, K.D.C. 4—49281
Henry, R.W. Superconducting microelectronics 4—29162
Hensel, B. ECL testing: possibilities with in-circuit test systems 4—41283
Hensel, E. *see* Skorupa, W. 4—41960
Hensel, J.C., Dynes, R.C., Halperin, B.I., Tsui, D.C. Scattering and absorption of ballistic phonons by the electron inversion layer in silicon: theory and experiment 4—30453
Hensel, M. Data publishing on optical disks 4—44298
Hensen, O.G. *see* Tyraskis, P.A. 4—61888
Henshall, H. *see* Cruickshank, J.M. 4—54896
Henshaw, D.L. *see* Fews, A.P. 4—55944, 4—56028, 4—61712
Henshaw, D.L. *see* Turner, T.W. 4—55927
Henshaw, P.D. Configurations for photorefractive laser beamsteering 4—53032
Hensley, D.C. *see* Sjoreen, T.P. 4—61686
Hensley, S.P., Sweetana, A., Harder, J.E. A balanced approach to the application of metal oxide arresters 4—49644
Hensley, W.K. *see* Reeves, J.H. 4—33766
Hensman, G.O., Bain, D.K.S. Load management by radio broadcasts 4—49533
Henssler, R. Office automation—and what then? 4—47945
Hentea, T.A., Algazi, V.R. Perceptual models and the filtering of high-contrast achromatic images 4—60180
Hentschel, C. The development of LWL-systems. Selection of components 4—32800
Hentschel, C. *see* Eckert, A. 4—31128
Hentschke, s. Hardware-minimised 70 MBits/s videocodec 4—38791
Hentschke, S. Adaptive equalization of channels for over-Nyquist baudrates 4—54595
Hentz, T.J. System applications for automated distribution mapping [distribution network CAD] 4—62180
Henwood, G.A. Education and training in transducer technology 4—29171
Henze, W. Selfprogramming of a radio: table of transmitting stations within the random access memory 4—61002
Henzler, M. *see* Hahn, P.O. 4—41906, 4—51909
Hepher, M.R. *see* Bilson, R.T. 4—41734
Heppner, J. Light barriers—construction and application. I. Basic properties and classification 4—52794
Hera, T. *see* Nagata, M. 4—57608
Herald, R.F. *see* Baasch, H.J. 4—42882
Heras, C.de las *see* de las Heras, C.
Heraud, L. *see* Christin, F. 4—35511
Heraud, L. *see* Rossignol, J.Y. 4—35512
Herb, S.M. Technology improves process control displays 4—48746
Herbelin, J.M., McKay, J.A. Development of laser mirrors of very high reflectivity using the cavity-attenuated phase-shift (CAPS) method 4—37410
Herberger, K. Digital filter for the PCM measuring technique 4—41500
Herbermann, R. *see* Erickson, J.L. 4—62336
Herbort, W. TELEPHARM—a novel communications forum for doctors, pharmacists and the pharmaceutical industry 4—54305
Herbots, N., Van de Wiele, F., Lobet, M., Elliman, R.G. Arsenic dopant influence upon the sintering behavior of the aluminum-polysilicon interface 4—42014
Herbots, N. *see* Liehr, M. 4—46972
Herbst, D. *see* Bosch, M.A. 4—47130, 4—52113
Herbst, J.F., Croat, J.J., Pinkerton, F.E., Yelon, W.B. Relationships between crystal structure and magnetic properties in $Nd_2Fe_{14}B$ 4—30943
Herbst, J.F. *see* Croat, J.J. 4—31033
Herceg, J.E. *see* Krumpelt, M. 4—49825
Herchenroeder, P.J. *see* Ko, H.W. 4—32867
Herczeg, L. *see* Assadourian, L. 4—41074
Herd, H., Jacobowitz, L. Method and apparatus of in situ measurement and overlay error analysis for correcting step and repeat lithographic cameras 4—36409
Herd, S.R. *see* Ahn, K.Y. 4—50813
Herdonek, R.T. *see* Ho, C.Y. 4—58430
Herdzik, R.J., Howard, J.K., Srikrishnan, K.V. Modified top electrode structure for thin film capacitors 4—36093
Herel, E.H., McMaster, R.H. Direct-sealed multichip module 4—40869
Herfort, R. Electricity price development throughout 100 years of supply in Berlin 4—44974
Herger, B. Powerful logic analyser 4—39116
Herholtz, S.W., Keck, L., Jr. Control and monitoring of industrial substations 4—62106
Heritage, J.P., Sermage, B., Martinez, O.E. Photoexcited carrier lifetime and Auger recombination in 1.3 micron bandgap InGaAsP 4—59306
Heritage, J.P. *see* Dutta, N.K. 4—42611
Herke, R. *see* Tangonan, G.L. 4—52675
Herlestam, T. Data protection: modern cryptomethods are not too reliable 4—31865
Herlufsen, H. Dual channel FFT analysis. I 4—39096
Herman, G. Musical micros. I 4—55098
Herman, H., Wigglesworth, M.J. New FIR lasers from CO_2 laser-excited 1,1-difluoroethene 4—47411
Herman, L.A. Selecting the number of stages for controlled shunt capacitance compensators of traction loads 4—45042
Herman, M.A., Jylha, O., Pessa, M. Atomic layer epitaxy of $Cd_{1-x}Mn_xTe$ grown on CdTe (111)B substrates 4—35491
Herman, M.A. *see* Pessa, M. 4—41046, 4—58030
Hermann, A. A contribution to the theory of phase locked loop (PLL). II 4—35701
Hermann, A. A contribution to the theory of phase locked loop (PL). II 4—46393
Hermann, A. *see* Zweibel, K. 4—50089
Hermann, A.M. *see* Konenkamp, R. 4—59345
Hermann, H.P. Flexible or traditional electricity supply 4—49511
Hermann, I. *see* Karpati, A.-P. 4—40323
Hermann, J.A., Grigg, M.E. Optical power limiting with nonlinear media 4—31485
Hermann, M. *see* de Groen, P.P.N. 4—41014
Hermannsen, J. *see* Locherer, K.-H. 4—29718
Hermans, E.C.M. CO, CO_2 CH_4 and H_2O sensing by polymer covered interdigitated electrode structures 4—55370
Hermanska, J., Prouza, Z. Study of dosimetric characteristics of the NDK 601 instrument for measurement of the n-gamma dose rate 4—33906
Hermanski, M. *see* Ostholt, H. 4—49015
Hermansky, H., Fujisaki, H., Sato, Y. Spectral envelope sampling and interpolation in linear predictive analysis of speech 4—53496
Hermansson, B., Yevick, D., Saijonmaa, J. Propagating-beam-method analysis of two-dimensional microlenses and three-dimensional taper structures 4—47257
Hermansson, B. *see* Yevick, D. 4—47275
Hermeling, G.C. Method for immunity measurements on home entertainment products using the 2 meter TEM cell 4—37672
Herment, A. *see* Demoment, G. 4—60077
Hermes, C., Gilberg, E., Koch, M.H.J. A double-focusing EXAFS beam line data acquisition and evaluation system for biological applications 4—56063
Hermes, E.A. *see* Bertl, W. 4—33757

Hermes, T., Hoen, B., Kreutzer, H.W. Measurement of amplitude distribution of the clock phase jitter in a BK-system 4—59771
Hermes, T., Hoen, B., Kreutzer, H.W., Schmidt, F. Bit error analysis in a multimode communication system with optical transmission 4—48483
Hermida, R.C. *see* del Pozo, F. 4—49131
Hermsdorf, I., Thomas, J. Early failures of products-detection, measures for their reduction and verification of their efficiency 4—40884
Hernandez, A. *see* Albertos, P. 4—56395
Hernandez, C., Gomez, L., Arias, J.E. Ergonomic design in perinatal monitoring 4—49129
Hernandez, C., Marquez-Montes, J., Linacero, G., Rufilanchas, J.J., Gonzalez, M.A., Cabo, C., Castillo-Olivares, J.L. Endo-epicardial mapping of arrhythmias in surgery: a versatile microprocessor based system 4—49239
Hernandez, C.M. *see* Jorgensen, D.E. 4—44846
Hernandez, G. *see* Peralta-Fabi, R. 4—55908
Hernandez, G. *see* Peralta-Fabi, Ri. 4—38110
Hernandez, G. *see* Romano, R. 4—39824
Hernandez, R. *see* Cavill, B.R. 4—46472, 4—48711
Hernandez, T. *see* Hoffer, P.B. 4—39546
Hernandez Gonzalvez, C. *see* Munoz Torralbo, A. 4—62462
Hernandez Neira, J.L., Otero de la Gandara, M.J., Terol Alonso, S. Optical and thermal stimulation in the luminescence of SrS:Ce,Sm 4—52782
Hero, A., Schwartz, S. On the asymptotic form of level exceedance probabilities 4—46107
Hero, A., Schwartz, S. Alternatives to the generalized cross correlator for time delay estimation 4—60058
Heron, P.J. *see* Reed, J.R. 4—31586
Herout, A. *see* Szanto, L. 4—51162
Herr, N. *see* Mauntel, R. 4—35814
Herraiz, I. *see* Cazzaniga, M. 4—49137, 4—49138
Herranz, J. *see* Bertran, E. 4—34680
Herrell, A.Y. *see* Sadek, F.S. 4—55734
Herrell, D.J. *see* Arnett, P.C. 4—52500
Herrero, J.M. *see* Izpura, J.I. 4—33426
Herrick, D.F. Effects of life rails on radar antenna performance 4—37636
Herrick, M.A. Perils of micro/MF interface 4—43780
Herriford, D.L., Milburn, R.E. Electrical termination of wire cable 4—30211
Herring, F.G., Krencik, P.M., Henrich, K.J., Teicher, P.E. Low cost, miniature, programmable SAW matched filter for tactical spread spectrum systems 4—32653
Herring, F.G. *see* Lattanza, J. 4—52409
Herring, M. *see* Rode, J.P. 4—56264
Herring, M. *see* Wellman, J.B. 4—39697
Herring, R.W. *see* Hung, E.K.L. 4—37984, 4—38002
Herrington, C.R. *see* Yacobi, B.G. 4—51921
Herrmann, C. *see* Koster, R. 4—44237
Herrmann, K.-H. *see* Rust, H.-P. 4—48619
Herrmann, R. *see* Schaller, U. 4—30333
Herron, J.M. *see* Sashin, D. 4—44741
Herron, L.W., Nufer, R.W. Direct measurement of ceramic particle size in slurries and green ceramic sheets 4—33463
Hersee, S.D., Razeghi, M., Blondeau, R., Kraskowski, M., de Cremoux, B., Duchemin, J.P. Very low-threshold OMVPE-grown quantum-well lasers 4—37381
Hersener, J., Huber, H.-P., Von Wienskowski, J. Semiquantitative X-ray microanalysis on preforms for optical waveguide fibres 4—42374
Hersh, H. Field test and assessment of thermal energy storage for residential heating 4—40622
Hershcovitch, A.I., Hinds, E.A. Generation of intense polarized beams by selective neutralization of negative ions 4—61662
Hershcovitch, A.I., Johnson, B.M., Kovarik, V.J., Meron, M., Jones, K.W., Prelec, K., Grisham, L.R. Neutralization efficiency of plasma targets for high energy negative ions 4—61612
Hershey, H.J., Townsend, D.W. Carbon transmitter construction using a spring cap to retain the carbon granules in place 4—54474
Hershey, J., Yarlagadda, R. A new class of image transforms 4—38100
Hershey, J.E. *see* Bittner, B. 4—37591
Hershey, J.E. *see* Gates, H.M. 4—38168
Herskind, C.C. *see* Owen, E.L. 4—49960
Hertel, G. Open random loss system with service interrupts due to internal malfunctions 4—53974
Hertel, R. *see* Dinaro, S. 4—36448
Herter, D. *see* Bertl, W. 4—33757
Hertl, S. *see* Wimmer, L. 4—36979
Hertz, D., Zeheb, E. A general property of the transformation matrices associated with the *n*-variable bilinear transformation 4—40902
Hertz, D. *see* Azaria, M. 4—43331
Hertz, D. *see* Zeheb, E. 4—50881
Hertz, H.M. *see* Fredriksson, K.A. 4—39702
Hertz, W. Velocity measurement in SF-6 circuit-breaker arc channels 4—50008
Herzberger, J. *see* Alefeld, G. 4—29386
Herziger, G. Basic elements of laser material processing 4—59662
Herziger, G., Weber, H. Equivalent optical resonators 4—42664
Herziger, G. *see* Beyer, E. 4—37509, 4—59663
Herziger, G. *see* Loosen, P. 4—31538
Herzog, G. Shaping, in terms of architectural acoustics of the music recording studio in the VEB Deutsche Schallplatten. Located in the St Luke's Church in Dresden 4—38989
Herzog, K. Multicoordinate measuring machines 4—61191
Herzwurm, A. *see* Boke, E. 4—62840
Heselberger, W. Low voltage switching installations to VBG 4 standard 4—40353
Heseltine, M. Military research keeps hi-tech on the bubble 4—29313
Hesheng Huang *see* Cristiano, R. 4—31077
Heshing Qian *see* Qian Heshing
Hesketh, J. Dual trace unit 4—39131
Hesketh-Jones, G. External rotor motors offer specific design solutions 4—49912
Hess, C.E. *see* Edighoffer, J.A. 4—47374
Hess, D.W. Review of spherical near-field antenna measurements 4—44582
Hess, D.W. *see* Flack, W.W. 4—58976
Hess, D.W. *see* Williams, L.M. 4—42464
Hess, F., Dalliard, F. New electric railway engines and powered multiple-stock units for the 'Biere-Apples-Morges' and 'Yverdon-Ste Croix' Swiss Railway routes 4—57441
Hess, G. Analysis of the probability of interference during a telephone interconnect call 4—60718
Hess, G., Mohl, L., Green, D. Trunked simulcast system stimulator 4—60719
Hess, H. 1982 energy flow diagram of the Federal Republic of Germany 4—39797
Hess, H. 1982 energy supply and consumption in West Germany 4—40635
Hess, K. *see* Widiger, D. 4—52118
Hess, L. *see* Timoc, C. 4—35871
Hess, L.D. *see* Shin-Tson Wu 4—37174
Hess, O.M. *see* Birchler, B. 4—61765
Hess, R. *see* Bettge, H. 4—45559
Hess, R.V., Brockman, P., Bair, C.H., Staton, L.D., Lytle, C.D., Laughman, L.M., Kaplan, M.L. Coherent infrared lidar mission and technology needs for measurements of transport and concentration of tropospheric trace species 4—56287
Hess, R.V. *see* Rogowski, R.S. 4—52877
Hess, W., Indefrey, H. Accurate pitch determination of speech signals by means of a laryngograph 4—59982
Hessary, M.K., Chen, K.-M. EM local heating with HF electrical fields 4—56175
Hessberger, F.P. *see* Hofmann, S. 4—56013
Hesse, J. Modern optical methods of measurement for process data acquisition 4—39143
Hesse, J. *see* Messering, H. 4—62190
Hesselink, L., Johnson, K.M., Perlmutter, R.J. Holographic display devices 4—42732
Hesser, R.J. *see* Gilje, R.I. 4—39699
Hesslewood, S. *see* Griffin, D.W. 4—49332
Hester, R. Analog chip set smoothes out digital signal processing 4—41406
Hester, R.E., Shier, J.S. A servo control IC for small disk drives 4—62566
Hester, R.K. *see* Robertson, S.J. 4—52237
Hester, R.L. *see* Buskey, J.H. 4—51147
Hetherington, R., Melvin, G.E. Mask to green sheet contact pressure control system 4—30228
Hettinger, T. *see* Noack, M. 4—48890
Hetzner, W. Recognition of road conditions with active and passive millimeter-wave sensors 4—55403
Hetzner, W. *see* Detlefsen, J. 4—54865
Heubach, H. Quality control in Grundig 4—45995
Heuberger, A. Comparison of different X-ray sources: X-ray tubes, laser induced plasma sources, compact and conventional storage rings 4—56039
Heuberger, A., Betz, H. X-ray lithography using synchrotron radiation and ion-beam shadow printing 4—36384
Heuberger, A. *see* Bruenger, W.H. 4—52265
Heuberger, H., Church, L. Landsat-4/Global Positioning System navigation results 4—48529
Heuck, K. *see* Rosenberger, R. 4—46313
Heudorfer, P. *see* Kalter, H. 4—30799
Heuer, R.-D. Experience with the jet chamber of the JADE-experiment 4—33642
Heugel, J. *see* Letournel, M. 4—33559
Heugten, L.J.P.van *see* van Heugten, L.J.P.
Heung Chang Soon *see* Soon Heung Chang
Heusden, A.R.van *see* van Heusden, A.R.
Heusi, P. *see* Bertl, W. 4—33757
Heutschi, E. Automatic test equipment (PAT) for telephone subscriber connections 4—61207
Heuvel, P.Van Den *see* Van Den Heuvel, P.
Heuvel, W.M.C.van den *see* van den Heuvel, W.M.C.
Hewett, F.A., Kuhlman, J.E., Mains, J.J., Racine, F. Dual-head tape reel gripper mechanism 4—42251
Hewett, J. Viewdata is maturing rapidly in Europe 4—43721
Hewitt, A. *see* Vilar, E. 4—31665
Hewitt, M.T.H., Scott, R.P., Ballance, J.W. A cost-effective 19 GHz digital multipoint radio system for local distribution application 4—60677
Hewka, P.V. *see* Gehrels, N. 4—33704
Hewlett, F.W., Jr., Erickson, D.A. STL versus ISL: an experimental comparison 4—41299
Hewlett, W.R. *see* Nelson, G.E. 4—35854
Heydeman, J. Measurements on wind turbines 4—56897
Heydon, R.G. A gas flow cryostat for dielectric measurements 4—33434
Heydt, G.T., Sauer, P.W., Fischl, R. The RFP and proposal-evaluation process of obtaining funded university research projects in electric power engineering 4—57737
Heydt, G.T. *see* Grady, W.M. 4—62099
Heydt, G.T. *see* Kraft, L.A. 4—45008
Heydt, G.T. *see* Song, W. 4—62155
Heyen, M. *see* Jurgensen, H. 4—29493
Heyen, M. *see* Korec, J. 4—50781
Heyer, D.W., Franzon, A. Conceptual simulation for interactive training [nuclear plants] 4—56755
Heyes, T. Sonic Pathfinder 4—33874
Heylen, A.E.D. The variation of the initial photoelectric current with gas pressure in the determination of Townsend ionization coefficients 4—30836
Heylen, W. *see* Belmans, R. 4—62526
Heyman, J.S., Yoder, L.P. An interferometric measurement of the acoustoelastic constant of rock core samples 4—56350
Heyman, P.M. High performance erasable optical disc 4—52525
Heymann, G. *see* Halser, K. 4—41983
Heyns, G. *see* Maes, H.E. 4—30460
Heyns, M.M. *see* Hillen, M.W. 4—30464, 4—59061
Heywood, P.W. *see* Upcott, D.N. 4—53950
Hezel, R., Blumenstock, K., Schorner, R. Interface states and fixed charges in MNOS structures with APCVD and plasma silicon nitride 4—51894
Hezel, R. *see* Blumenstock, K. 4—30462
Hiatt, C.F. *see* Mitchell, M.A. 4—29239
Hiatt, J.F. *see* George, D.L. 4—54956
Hibbert, D.B. *see* Roberts, T.M. 4—51350
Hiben, B. *see* Davidson, A. 4—59855
Hibino, K. *see* Nakayama, T. 4—54038
Hibino, M. Generation of musical tones in PARCOR speech synthesizer 4—47809
Hibino, Y. *see* Sakaguchi, S. 4—52596
Hibner, E. Influence of hysteresis characteristics on the transient voltage due to the switching-off of an unloaded transformer 4—62594
Hibner, E. The mathematical model of the magnetic hysteresis loop for transformer magnetising current calculations 4—62595
Hicken, M.S. *see* Nondahl, T.A. 4—29715
Hickernell, F.S., Cho, F.Y., Richard, F.V., Hickernell, T.S. Zinc oxide channel waveguide formation on etched rectangular ridge structures 4—59255
Hickernell, R.K. *see* Sarid, D. 4—37452
Hickernell, T.S. *see* Hickernell, F.S. 4—59255
Hickey, G. *see* Sharaf, A.M. 4—34775
Hickey, M.M. A community needs assessment for energy education in an emergency planning zone of a nuclear generating station 4—62331
Hickman, M. Handheld multimeters 4—33334
Hickman, P.L.V. Unisat: the British direct broadcast satellite system 4—54691
Hickman, R.J. *see* Parvin, B.A. 4—53830
Hickmott, T.W., Solomon, P.M., Fang, F.F., Stern, F., Fischer, R., Morkoc, H. Sequential single-phonon emission in GaAs-$Al_xGa_{1-x}As$ tunnel junctions 4—41873
Hickok, H.N. *see* Gutzwiller, R.A. 4—34970, 4—57414
Hickok, H.N. *see* McDonald, W.J. 4—62109
Hickok, H.N. *see* Proctor, D.Y., II 4—34578
Hicks, C.D., Jr. Voice teleconferencing—a wide variety of demanding transmission and control solutions 4—38210
Hicks, M.C. *see* Maruska, H.P. 4—59341
Hicks, R.G., Feldman, M.J. Chaos in SIS quasiparticle tunneling 4—37074
Hickson, A.G., Dorkings, C. Fault location techniques on the inland microwave radio-relay network 4—60674
Hida, M. *see* Tooda, T. 4—53166
Hidaka, M. *see* Wada, Y. 4—52511
Hidaka, T., Kumada, K., Morikawa, T. Self-coupling effects of semiconductor laser diode—GeO_2-ZnO-K_2O glass as the cladding material of hollow-core optical waveguides for CO_2 laser light 4—59497
Hidaka, T. *see* Nakamura, K. 4—53009
Hidaka, Y. *see* Katsui, A. 4—29467
Hidaka, Y. *see* Makino, H. 4—30972
Hidasi, B. *see* Fodor, L. 4—52465
Hidayat, B. *see* Swarup, G. 4—44194
Hide, I. *see* Maeda, Y. 4—29462, 4—34897, 4—41928
Hideshima, M., Schock, H. Power transistor modules using new technology 4—30153
Hieber, L. Use of Btx in the public administration of Baden-Wurttemberg 4—54283

Hieble, E. *see* Spielvogel, J.A. 4—54157
Hieda, K., Wada, M., Shibata, T., Inoue, S., Momodomi, M., Iizuka, H. Optimum design of dual control gate cell for high density EEPROMs 4—35822
Hieda, K. *see* Wada, M. 4—30813
Hieda, T. *see* Itoh, K.-i. 4—29901
Hien, L.K. *see* Silberglitt, R. 4—40607
Hierl, T. *see* Wang, N. 4—46619
Hieu Nguen Kim *see* Nguen Kim Hieu
Higashi, H. *see* Sumiya, K. 4—30967
Higashi, K., Nakashima, T. Static triple frequency power source circuit and its power factor analysis 4—57163
Higashi, K. *see* Tanaka, K. 4—56866
Higashi, M., Klir, G.J. On the notion of distance representing information closeness: possibility and probability distributions 4—31815
Higashi, M., Klir, G.J. Resolution of finite fuzzy relation equations 4—46118
Higashi, N. *see* Wada, T. 4—43664
Higashiguchi, M. *see* Shimada, K. 4—31657, 4—59740
Higashino, H. *see* Kawaguchi, T. 4—31169
Higashino, S. *see* Morikawa, T. 4—62624
Higashino, Y. *see* Naito, S. 4—42293, 4—59163
Higashisaka, A., Ishikawa, M., Katano, F., Asai, S., Furutsuka, T., Takayama, Y. Side-wall-assisted closely spaced electrode technology for high speed GaAs LSIs 4—42138
Higashiyama, T. *see* Suzuki, N. 4—44104
Higashiyama, Y., Ariyoshi, H. An algorithm for generation of *s-t* acyclic graphs 4—46124
Higger, R.A. *see* Shahnarian, A. 4—44714
Higgins, J.A. *see* Sovero, E.A. 4—30013
Higgins, J.J. *see* Chappelow, R.E. 4—51946
Higgins, L.M., III *see* Rydwanski, F.C., Jr. 4—45977
Higgins, M., Titmuss, G., Evans, J. An improved acousto optic laser scanner guidance system 4—39653
Higgins, M., Titmuss, G., Martyn, R. Improved acousto-optic laser scanner guidance system 4—53126
Higgins, R.J. *see* Goodall, R.K. 4—52135
Higgins, W.E., Munson, D.C., Jr. Optimal and suboptimal error spectrum shaping for cascade-form digital filters 4—51431
Higgs, C.R.G., Moses, A.J. Flux distribution in five-limb transformer cores 4—49937
Highashisaka, A. *see* Katano, F. 4—35813
Highland, V. *see* Bolton, R. 4—55816
Hight, T.K. Development and testing of a hand-held load cell for impairment evaluation 4—56078
Hightower, R.E. A reconfigurable programmable signal switching system for ATE 4—48697
Higuchi, H. *see* Hirano, R. 4—37385
Higuchi, H. *see* Noyori, M. 4—52293
Higuchi, H. *see* Oomura, E. 4—53016, 4—59532
Higuchi, K., Saitoh, S., Okabayashi, H. Crystallinity of recrystallized Si on SiO_2 by zone melting method 4—41916
Higuchi, K. *see* Ichinose, S. 4—57650
Higuchi, N. *see* Suenaga, M. 4—37044
Higuchi, T., Kyuma, Y., Inabatani, T. Conversational voice input/output system applied to the transportation field 4—47793
Higuchi, T., Mizuno, T. Analysis of mid-frequency resonance phenomenon in permanent-magnet step motors 4—57083
Higuchi, T. *see* Akamine, M. 4—47823
Higuchi, T. *see* Matsumoto, Y. 4—36632
Hihara, H. *see* Hamaguchi, C. 4—30622
Hijden, J.H.M.T.van der *see* van der Hijden, J.H.M.T.
Hijikata, T. *see* Matsui, S. 4—53011
Hijikigawa, M., Miyoshi, S., Sugihara, T., Jinda, A. A thin-film resistance humidity sensor 4—33976
Hijiya, S., Ito, T., Nakamura, T. High speed write/erase EAROM cell with graded energy band-gap insulator 4—58332
Hijiya, S. *see* Taguchi, M. 4—58338
Hikasa, N. *see* Kusuda, Y. 4—61267
Hikita, M., Iwata, T., Igarashi, M. Annealing stability of NbN/Pb Josephson tunnel junctions with plasma oxidized barriers 4—42291
Hikita, M., Kojima, H., Tabuchi, T., Kinoshita, Y. New low-loss broadband SAW filter using unidirectional IDTs with U-shaped MSCs 4—42211
Hikita, M., Tabuchi, T., Kojima, H., Nakagoshi, A., Kinoshita, Y. Low loss SAW filter for antenna duplexer 4—52398
Hikita, M. *see* Kinoshita, Y. 4—52399
Hikita, M. *see* Nakagawa, Y. 4—29380
Hilal, S.K. *see* Einstein, S.G. 4—61846
Hilal, S.K *see* Hong, K.S. 4—39478
Hilal, S.K. *see* Shepp, L.A. 4—49163
Hilberg, W. The associative array: a new circuit structure with exceedingly good memory properties 4—58302
Hilbig, R., Lago, A., Wallenstein, R. Tunable XUV radiation generated by nonresonant frequency tripling in neon 4—31483
Hild, R. *see* Kessler, S. 4—38045
Hildebrand, B.P. *see* Fitzpatrick, G.L. 4—55781
Hildebrandt, B., Kunert, M. Contribution to the evaluation of the maximum switching frequency and power lost in power switching transistors 4—42035
Hildebrandt, R. Fluidized bed combustion for electricity and heat generation: present development stage 4—45262
Hiler, G. The possibilities of using liquid cholesterol crystals for measuring human body temperature 4—39518
Hilf, W. MC68020 32-bit processor for future system concepts 4—51270
Hilgarth, J., Schulz, E. Combined boron and aluminum implantation for high-voltage devices 4—36561
Hilke, H.J. The Pad TPC 4—33645
Hilke, H.J. *see* Brand, C. 4—33639
Hilkes, L. *see* Gross, W. 4—51682
Hill, A.M., Cotter, D., Wright, I. Nonlinear cross-talk due to stimulated Raman scattering in a two-channel wavelength-division-multiplexed system 4—32796
Hill, B., Schmidt, K.P. Optical pattern generator in solid state engineering for electrophotographic printers 4—59720
Hill, B.M.E., Rae, A.S. Auxiliary data paths for optical-fiber systems 4—54812
Hill, C.R., Sambrook, M. Biomedical applications of ultrasound 4—61785
Hill, D.A. Bandwidth limitations of TEM cells due to resonances 4—39619
Hill, D.A. Theory of near-field phased arrays for electromagnetic susceptibility testing 4—59887
Hill, D.A., Walsh, J.A. Resonance suppression in a TEM cell 4—39620
Hill, D.J., Morgan, J.R., Sherlock, P.E. Real time simulation package for airborne tracking radars 4—32858
Hill, E.F. *see* Luo, J.S. 4—56451
Hill, F.J., Navabi, Z., Chiang, C.H., Chen, D.-P., Masud, M. Hardware compilation from an RTL to a storage logic array 4—51100
Hill, G. *see* Eaves, L. 4—58774
Hill, G.J. *see* Barnett, M.A. 4—57822
Hill, J.J., Burgess, D.C., Pugh, A. Vision guided assembly: a case study from the high-power semiconductor industry 4—53945
Hill, K.L., Mueller, M.W. Multifunction latches on master slice FET chips 4—51138
Hill, K.O., Johnson, D.C., Lamont, R.G. Efficient coupling-ratio control in single-mode-fiber biconical-taper couplers 4—52669
Hill, M.K., Licari, J.P., Sippel, D.L. Dual gap head 4—52457
Hill, N.W. *see* Wender, S.A. 4—39499
Hill, O.F. *see* Easton, B.C. 4—41098
Hill, P.B. *see* Elrod, T.P. 4—38156
Hill, R. Solar cells and the photovoltaics industry 4—50081
Hill, R.A. Mine countermeasures vessel operations room simulator for tactical training 4—32869
Hill, R.H. Varactor diodes lower the chip count of digital PLLs 4—46368
Hill, R.H. *see* Dean, T.E. 4—49289
Hill, R.J. Application of diffraction techniques in studies of lead/acid battery performance 4—34839
Hill, R.J., Acarnley, P.P. Interacting stepping motor systems: closed loop control using waveform detection 4—57096
Hill, R.J. *see* Bohlander, R.A. 4—37593
Hill, R.J. *see* Harris, K. 4—45592
Hill, R.M. *see* Dissado, L.A. 4—59058
Hill, R.T. High-performance radar systems exhibit developmental trends 4—38676
Hill, R.T. A view of radar progress 4—60901
Hill, T.J. A unified analysis of 16-QAM 4—31842
Hill, V.D. *see* Benko, B.W. 4—32586
Hill, W.A. *see* Sovero, E.A. 4—30013
Hillairet, M.J. *see* Drouot, L.P. 4—62463
Hillard, M.E. *see* Antcliff, R.R. 4—52784
Hille, G. Using the analysis of a colour picture to determine changes in orientation and illumination 4—38052
Hille, L. Gate array testing 4—29835
Hillen, M.W., De Keersmaecker, R.F., Heyns, M.M., Haywood, S.K., Darakchiev, I.S. Charge build-up prior to breakdown in thin MOS gate oxides 4—30464
Hillen, M.W., De Keersmaecker, R.F., Heyns, M.M., Haywood, S.K., Darakchiev, I.S. Charge build up and breakdown in thin SiO_2 gate dielectrics 4—59061
Hillenbrand, F. A method for determining the speed and rotor flux of the asynchronous machine by measuring the terminal quantities only 4—57028
Hillenbrand, F. *see* Gallwitz, B. 4—56979
Hiller, D.M. *see* Chen, H.Y. 4—30989
Hiller, D.R. *see* Corcoran, J.J. 4—51342
Hiller, F. The lead-acid accumulator and the environment 4—45606
Hiller, H. Error probability and structural limits for block code with interference protection 4—31976
Hiller, W.J. *see* Stasicki, B. 4—48963
Hillery, M., Zubairy, M.S. Path-integral approach to the quantum theory of the degenerate parametric amplifier 4—31491
Hillhouse, D.L., Petersons, O., Sze, W.C. A simplified system for calibration of coupling capacitor voltage transformers 4—45488
Hillhouse, J. The AT&T divestiture: now that the cord's been cut 4—35219
Hilliard, J., Little, W. An Ada based information provider system for Telidon 4—32326
Hilliard, J.E. *see* Shin, S.C. 4—46861
Hillier, T. Financing satellite systems 4—44055
Hillion, F. *see* Bacal, M. 4—61648
Hillis, G., Bartlett, K., Chen, M., Trutna, R., Watts, M. VLSI production with a multi-layer photolithography process 4—36746
Hillis, G. *see* Bartlett, K. 4—36820
Hillman, L.W., Krasinski, J., Boyd, R.W., Stroud, C.R. Observation of higher order dynamical states of a homogeneously broadened laser 4—37338
Hillsberg, B.L. Determination of acceptable message paths through a multi-node communication network 4—54371
Hilton, J.R. Commercial telephone centralization/consolidation strategies for military applications 4—32255
Himei, T., Funabiki, S., Agari, Y., Okada, M. Analysis of voltage source inverter-fed permanent magnet synchronous motor taking account of converter performance 4—56986
Himei, T., Funabiki, S., Komatsubara, H. Principle and fundamental characteristics of a new variable inductor for improved waveforms 4—57114
Himel, T. *see* Beer, A. 4—61682
Himelgryn, B., Barradas, O.C.M. The implementation of the Brazilian Domestic Satellite System 4—60793
Himmelberg, M.R., Wallis, R.A. Low altitude navigation and targeting infrared system for night (LANTIRN) 4—44189
Himpsel, F.J., Jugnet, Y., Eastman, D.E., Donelon, J.J., Grimm, D., Landgren, G., Marx, A., Morar, J.F., Oden, C., Pollak, R.A., Schneir, J., Cider, C.A. First results from a 6 m/10 m toroidal grating monochromator for soft X-rays 4—56047
Himpsel, F.J. *see* Morar, J.F. 4—51999
Himuro, M., Murano, K., Nishigaki, S., Masatoki, T., Ohno, K. A color viewfinder using PLZT light shutters and a B/W CRT 4—54999
Himuro, M. *see* Murano, K. 4—52701
Hinamoto, T., Kukita, H., Maekawa, S. Approximation of two-dimensional digital filters by separable-denominator rational function 4—51451
Hinamoto, T., Maekawa, S. Spatial-domain design of a class of two-dimensional recursive digital filters 4—30025
Hinamoto, T., Muneyasu, M., Mackawa, S. Spatial-domain design of weakly causal two-dimensional recursive digital filters 4—58459
Hinata, T., Yamasaki, T., Tamura, M., Hosono, T. Scattering of plane electromagnetic waves by conducting rectangular cylinders—a horizontal polarization case 4—42830
Hinata, T. *see* Yoshikawa, H. 4—31150
Hinchliffe, F., II A distributed control system for acquired design automation tools 4—36769
Hinchliffe, J.D.S., Ashpole, R.S., Powell, R.J.W., Lewis, D.L. Hydrogen in optical cables 4—54842
Hind, J.R., Mather, B., Simmers, D.A. Dounreay fast reactor boilers get a new lease of life. II. Design and installation of internal sleeves 4—34352
Hinde, R.M. Commercial and economic aspects of regional/domestic satellite operations: a telecommunications operator's point of view 4—60812
Hinderaker, P.D., Reylek, R.S., Stow, R.H., Swinehart, R.M., Tollefson, R.J. New connector in an adhesive tape form for electronic applications 4—36124
Hindin, H.J. The VMEbus to get larger slice of 16/32-bit board pie 4—51348
Hindin, H.J. Formal protocol specification ready to make its mark 4—54342
Hindin, H.J. Big blue makes a major move to link computers [VM/IX operating system from IBM] 4—60486
Hinds, E.A. *see* Hershcovitch, A.I. 4—61662
Hine, G. Quality of small-signal, low and medium power diodes 4—58892
Hingarh, H.K. *see* Schmitz, C. 4—51173
Hingorani, G.D., Powers, F.J., Wentz, L.K. Management and control of interconnected communications networks 4—32215
Hingst, U.G. *see* Benz, R.F. 4—44881
Hinkel, H., Kaus, G., Kempf, J. Determination of overetching by combined PCV and SIMS 4—41124
Hinkel, H., Kuenzel, U., Schrader, M., Steiner, W., Weiss, H. Method of detecting the lubricant distribution on magnetic recording media 4—37025
Hinkel, H., Kuenzel, U., Schwerdt, F. Method of optimizing the adhesion of copper films on epoxy resin surfaces of printed circuit boards 4—36147

Hinkel, H. *see* Elsner, G. 4—30510, 4—30534, 4—31003, 4—50774, 4—50850
Hinken, J.H. *see* Niemeyer, J. 4—59160
Hinken, J.H. *see* Stumper, U. 4—42295
Hinkov, V. *see* Borissov, M. 4—30744
Hinman, B.L., Bernstein, J.G., Staelin, D.H. Short-space Fourier transform image processing 4—53918
Hino, I., Gomyo, A., Kobayashi, K., Suzuki, T. Room temperature pulsed operation of AlGaInP/GaInP double heterostructure visible light lasers grown by MOCVD 4—37386
Hino, Y., Chujo, T., Ueno, N., Fujita, K., Yamamoto, M., Yamaguchi, K., Kikuchi, H. A burst-mode LSI equalizer with analog-digital building blocks 4—54603
Hinrichsen, E.N. Controls for variable pitch wind turbine generators 4—45381
Hinrichsmeyer, H.-J. Synthetic speech output—at present readily available for everybody 4—53456
Hinsberg, W.D., Gutierrez, M.L. Effect of developer composition on photoresist performance 4—58834
Hinson, E.W. *see* Blanchard, R.C. 4—44802
Hinterberger, H. Interacting with videotex 4—32319
Hinterberger, H. Interacting with 'Videotex' 4—54205
Hintergraber, M., Wittmann, R. The effects of earthquake damage on power plant components—actual developments in connection with the seismic qualification of nuclear power plant components in the USA 4—34274
Hintzen, H.T.J.M. *see* Beers, A.M. 4—35509
Hinz, D. *see* Oberle, H.-D. 4—48025
Hinz, W. *see* Bindewald, K. 4—55608
Hioki, S. One dimensional image processing by linear prediction filter 4—32054
Hioki, Y. *see* Fujita, T. 4—57627
Hipp, J. A new distance measurement family with pulse-timing measurement methods (FEN 2000) 4—33959
Hirabayashi, M. Impulse response of a SAW variable delay line 4—42209
Hirabayashi, S. *see* Jidai, E. 4—36971
Hirabayashi, S. *see* Kitamura, Y. 4—52322
Hirachi, Y., Takeuchi, Y., Igarashi, M., Kosemura, K., Yamamoto, S. A packaged 20-GHz 1-W GaAs MESFET with a novel via-hole plated heat sink structure 4—36596
Hirade, K. Digital mobile transmission techniques in Japan 4—32702
Hirade, K. *see* Ogose, S. 4—43977
Hiraga, K. *see* Suzuki, T. 4—52446
Hirahara, K., Kamata, A., Kawachi, M., Sato, T., Beppu, T. ZnS blue light-emitting diodes fabricated by MOCVD 4—52824
Hirai, H., Yamane, T., Tsutsumi, K., Yuba, Y. An approach to digital filter equalizing of the multiplier coefficients 4—41492
Hirai, J. *see* Sakamoto, T. 4—54459
Hirai, K. *see* Horiuchi, K. 4—41023
Hirai, M. *see* Kashima, N. 4—44107
Hirai, M. *see* Kusaka, M. 4—30440
Hirai, M. *see* Satake, T. 4—42398
Hirai, S. Knowledge engineering techniques in trouble shooting systems 4—61224
Hirai, T. *see* Kusano, C. 4—36230
Hiraike, F. *see* Takada, A. 4—55266
Hirakawa, H. *see* Kuroda, K. 4—55384
Hirakawa, K., Sakaki, H., Yoshino, J. Concentration of electrons in selectivity doped GaAlAs/GaAs heterojunction and its dependence on spacer-layer thickness and gate electric field 4—51813
Hirakawa, K. *see* Sakaki, H. 4—51844
Hiraki, A. *see* Imura, T. 4—29515, 4—46831
Hiraki, H. *see* Yokomizo, Y. 4—48837
Hiraki, K. *see* Kubota, Y. 4—42358
Hirakura, K., Kogure, M., Imai, C., Hasebe, M., Tatsumi, S. Design of parameters on the electrophotographic system 4—53168
Hiramatsu, O. *see* Mito, K. 4—31546
Hiramatsu, R., Watanabe, S., Suzuki, T., Kuwabara, K. High-efficiency converter producing constant-voltage output with constant-current input 4—57188
Hiramatsu, S. *see* Tomiyama, T. 4—57800
Hiramatsu, S. *see* Watanabe, F. 4—49037
Hiramatsu, T. *see* Sakai, Y. 4—29899
Hiramatsu, Y., Mase, K., Kajiwara, M. A packet transfer control method using circuit switching function 4—47925
Hiramoto, K. *see* Hayashida, M. 4—32403
Hiranaka, K., Yamaguchi, T., Yanagisawa, S. Self-alignment-processed amorphous silicon ring oscillators 4—52297
Hirane, Y. *see* Kumamoto, A. 4—62627
Hirano, K., Sakane, M., Mulk, M.Z. Design of three-dimensional recursive digital filters 4—46580
Hirano, K. *see* Sako, B. 4—58456
Hirano, K. *see* Sato, K. 4—52137
Hirano, K. *see* Sugahara, K. 4—51465
Hirano, M. *see* Hyuga, F. 4—59156
Hirano, M. *see* Nishizawa, K. 4—43762
Hirano, M. *see* Tajima, S. 4—29900
Hirano, M. *see* Takanashi, Y. 4—52115
Hirano, R., Oomura, E., Higuchi, H., Sakakibara, Y., Namizaki, H., Susaki, W., Fukikawa, K. High temperature and long life operation of new InGaAsP/InP 1.3 μm buried crescent lasers 4—37385
Hirano, R. *see* Oomura, E. 4—53016, 4—59532
Hirao, T. *see* Ueda, A. 4—34581
Hiraoka, H. High resolution polymer pattern fabrications with low energy proton beams 4—58840
Hiraoka, H. *see* Duran, J. 4—42100
Hirasawa, K. *see* Fukushima, T. 4—60174
Hirasawa, K. *see* Natsui, K. 4—45564
Hirasawa, R. *see* Abe, K. 4—62837
Hirasawa, S., Kasahara, M., Sugiyama, Y., Namekawa, T. Modified product codes 4—43099
Hirashima, T., Iri, E., Shintani, T., Kuzushita, H., Mio, K. Protective coats for radiation-resistant optical fibers 4—52674
Hirata, A. *see* Saito, S. 4—34743
Hirata, A. *see* Tanaka, H. 4—45690
Hirata, H. *see* Shigesawa, H. 4—31151
Hirata, K., Mikami, O., Saitoh, T. Direct transfer of resist grating patterns onto InP by reactive-ion etching using CCl_4/O_2 4—36470
Hirata, K. *see* Kuriyama, T. 4—36874
Hirata, K. *see* Natsui, K. 4—45564
Hirata, K. *see* Sakuma, H. 4—58202
Hirata, M. *see* Murakami, H. 4—33953
Hirata, M. *see* Tanigawa, H. 4—61359
Hirata, S. *see* Arahara, K. 4—36108
Hirata, S. *see* Morita, M. 4—30142
Hirata, T. *see* Asano, T. 4—35372
Hirata, T. *see* Shiota, F. 4—39003
Hirata, Y. *see* Okada, C. 4—48758
Hirata, Y. *see* Okinaka, H. 4—48428
Hirata, Y. *see* Yasuda, Y. 4—37844
Hiratate, Y. *see* Ito, S. 4—33713
Hirato, K. *see* Domae, Y. 4—34188
Hirayama, F., Yuasa, Y., Tani, A., Naito, M., Miyamaru, K. A method for rapid radiochemical analysis of transuranium elements in nuclear facilities 4—55996
Hirayama, H., Nelson, W.R., Del Guerra, A., Mulera, T., Perez-Mendez, V. Monte Carlo studies for the design of a lead glass drift calorimeter 4—39411
Hirayama, H. *see* Mulera, T. 4—33679
Hirayama, M., Ino, M., Matsuoka, Y., Suzuki, M. A GaAs 4 Kb SRAM with direct coupled FET logic 4—51228
Hirayama, M., Matsukawa, T., Arima, H., Ohno, Y., Tsubouchi, N., Nakata, H. Plasma anodic nitridation of silicon in N_2-H_2 system 4—41995
Hirayama, M. *see* Asai, K. 4—41351
Hirayama, M. *see* Ino, M. 4—51199
Hirayama, M. *see* Matsuoka, Y. 4—52106
Hirayama, M. *see* Tajima, J. 4—41591
Hirayama, N. *see* Oshima, M. 4—31391
Hirayama, T. Cooperative promotion of energy conservation 4—39983
Hirayama, T. *see* Kuboki, S. 4—51499
Hirayama, Y., Ohmori, Y., Okamoto, H. AlSb-GaSb and AlAs-GaAs monolayer superlattices grown by molecular beam epitaxy 4—58024
Hirayama, Y., Okuda, H., Kinoshita, J., Furuyama, H., Uematsu, Y. Monolithic integration of low-threshold-current 1.3 μm GaInAsP/InP DFB lasers 4—42630
Hirayama, Y. *see* Uematsu, Y. 4—53014
Hiroi, M., Shimotake, H. Effective conductivities of an FeS positive in LiCl-KCl eutectic electrolyte at different states of charge 4—57324
Hirokawa, S. Artificial limbs 4—61821
Hiromoto, M. *see* Fujie, J. 4—49744
Hironaka, K. *see* Hayakawa, T. 4—57332
Hirono, N. *see* Matsumoto, S. 4—55010
Hirono, T. Japanese Sunshine Project/solar photovoltaic program 4—40471
Hirono, T., Horigome, T. A 1 MWe central receiver type solar thermal electric power pilot plant 4—62464
Hirosaki, B. Generalized differential coding theorem and its applications 4—59933
Hirosaki, B., Tomimitsu, Y., Ishihara, S., Nakada, H., Akiyama, K., Nosaka, K. A CMOS-VLSI rate conversion digital filter for digital audio signal processing 4—53774
Hirosawa, T. *see* Funakoshi, K. 4—30718
Hirose, K. Digital PABX 4—32572
Hirose, K., Fujisaki, H., Yamaguchi, M. Synthesis by rule of voice fundamental frequency contours of spoken Japanese from linguistic information 4—60009
Hirose, K. *see* Fujimori, H. 4—36998
Hirose, K. *see* Fujisaki, H. 4—60010
Hirose, K. *see* Nakano, H. 4—59874
Hirose, M. Plasma deposition of silicon nitride 4—46251
Hirose, M., Hamasaki, T. Thin film preparation technique utilizing plasma 4—29535
Hirose, M., Miyazaki, S. Luminescence and transport in a-Si:H/a-$Si_{1-x}J_x$:H quantum well structures 4—58771
Hirose, M. *see* Adachi, T. 4—50906
Hirose, M. *see* Akiyama, M. 4—60742
Hirose, M. *see* Ashida, Y. 4—29519, 4—30511
Hirose, M. *see* Hamasaki, T. 4—30355, 4—41078, 4—41104
Hirose, M. *see* Ikawa, Y. 4—51168
Hirose, M. *see* Miyamoto, H. 4—41107
Hirose, M. *see* Morita, M. 4—52020
Hirose, M. *see* Nakashita, T. 4—30353
Hirose, M. *see* Okuno, T. 4—45625
Hirose, M. *see* Toyoda, N. 4—29883
Hirose, M. *see* Tsuda, H. 4—45115
Hirose, S., Yokoyama, T., Shimizu, H. Excitation of coupled length-expansion-mode in a piezoelectric rectangular plate by using interdigital electrodes 4—52375
Hiroshima, Y. *see* Senda, K. 4—44452, 4—59340
Hirota, K., Pedrycz, W. Characterization of fuzzy clustering algorithms in terms of entropy of probabilistic sets 4—53887
Hirota, S. *see* Magaki, Y. 4—40356
Hirota, T. Fluorescent lamps using a mercury dispenser 4—45740
Hirota, T., Ogawa, H. A novel K-band balanced FET up-converter 4—51536
Hirota, T., Suzuki, A. New compact fluorescent lamps 4—45735
Hirota, T. *see* Kitamura, A. 4—32573
Hiroyama, M., Kosugi, M., Sawada, K. Facsimile data conversion and interface control equipment in FICS-2 4—38232
Hiroyama, M. *see* Wakahara, T. 4—54170
Hirsch, F. Technology of the capacitively sensed CED picture disc 4—61079
Hirsch, H. Development problems of electrodynamic linear drives for the positioning of magnetic heads 4—57394
Hirsch, P. Nuclear power and case for the fast reactor 4—56739
Hirsch, P. *see* Schaller, D. 4—34144
Hirsch, R.B. Know the meaning of signal-to-noise ratio 4—43554
Hirschfeld, T. *see* Milanovich, F.P. 4—39083, 4—55284
Hirschhorn, S. Fault propagation techniques in a functional level concurrent fault simulator 4—35766
Hirschhorn, S., Davis, A.M. Parallels between software and VLSI engineering 4—42110
Hirschhorn, S., Davis, A.M. The resolution in VLSI design: parallels between software and VLSI engineering 4—52248
Hirschi, W. *see* Sauvain, H. 4—49588
Hirschler, M.M. *see* Cullis, C.F. 4—33531
Hirschmann, R. *see* Ludolf, W.S. 4—54835
Hirsekorn, S. *see* Goebbels, K. 4—29572
Hirsh, I. *see* Kopeika, N.S. 4—59326, 4—59355
Hirsh, M.N., Lindberg, V. Ozone production in corona discharges in air and other gases: some preliminary results 4—52328
Hirshfield, J.L. Cyclotron harmonic maser 4—42496
Hirshfield, J.L. *see* Guo, H. 4—41773
Hirshfield, J.L. *see* Liang, Z. 4—58689
Hirshfield, J.L. *see* Park, S.V. 4—41767
Hirshorn, M.S. *see* Freed, G.A. 4—61748
Hirst, E. Residential energy conservation potentials in Connecticut 4—40613
Hirst, E., Bronfman, B., Goeltz, R., Timble, J., Lerman, D., Keating, K. Evaluation of utility residential energy conservation programs. A Pacific Northwest example 4—49513
Hirst, I.R. *see* Gilmore, R.S. 4—51327
Hirtz, J.P., Razeghi, M., Bonnet, M., Duchemin, J.P. $Ga_{0.47}In_{0.53}As$/InP and GaInAsP/InP double heterostructures grown by low-pressure metal-organic vapour-phase epitaxy 4—29499
Hisa, S., Matsuura, T., Ogata, H. The improvement in efficiency and reliability of last-stage blades for steam turbines 4—49754
Hisamoto, S. *see* Okuno, K. 4—56320
Hisanaga, K., Takahashi, S. Synthesis of voltage transfer function matrix with active *RC* network 4—41478
Hisdal, B. Transformation and application of colour separation values for television purposes 4—38829
Hisdal, B. Operational method for acceptance testing of television camera colorimetric fidelity 4—48582
Hisha, H. *see* Arrillaga, J. 4—62156, 4—62603
Hishida, Y. *see* Yoneda, K. 4—50786
Hishinuma, Y. *see* Koyama, S. 4—35095
Hishiyama, K., Inoue, M. Physical measures for interframe coded picture quality 4—32018
Hishiyama, K. *see* Inoue, M. 4—32019
Hiskes, J.R., Karo, A.M. Volume generation of negative ions in high density hydrogen discharges 4—44665
Hiskes, J.R. *see* Freeman, A.J. 4—44680
Hitchcock, D.E. High frequency characteristics of 32 watt T8 lamps 4—57504
Hitchcock, L.J. Capacitor discharge circuit [for three-phase rectification] 4—46337
Hitchcock, N.S. *see* Whitehead, W.R. 4—32756
Hitchman, M.L. A consideration of the effect of reactor parameters on the characteristics of layers prepared by low pressure chemical vapour deposition 4—41099
Hitchner, J., Houle, F., Martin, B. Rapid etching of surface relief in solids 4—31542

Hitney, H.V. *see* Anderson, K.D. 4—31670
Hitotsumachi, S. VHS HiFi VTR 4—61084
Hitotsumachi, S., Minakuchi, N. VHS hi-fi VTR 4—55064
Hitotsuyanagi, T. *see* Maru, K. 4—41325
Hitt, E.F., Eldredge, D. Fault detection, isolation, and recovery techniques for fault tolerant digital avionics 4—44870
Hitt, E.F., Eldredge, D. A review and application of analytical models in fault tolerant avionics validation 4—44871
Hitz, G. In the television receiver: free-for-all and the diverse headphone sockets 4—61006
Hitz, P., Knaffl, B. Medium-frequency converters for inductive melting and heating plants 4—40596
Hitzfeld, M., Ziemann, P., Buckel, W. SQUID—magnetometer combined with ion implantation 4—33443
Hiyama, K. *see* Ishida, H. 4—60532
Hiyamizu, S. *see* Fujii, T. 4—52965
Hiyamizu, S. *see* Muro, K. 4—51851
Hiyamizu, S. *see* Tatsuta, S. 4—30401
Hiyamizu, S. *see* Yokoyama, N. 4—47025
Hiziroglu, H.R., Dincer, M.S. Computation of receiving end voltage and current vectors using modal analysis 4—34156
Hjortendal, R. *see* Bjurel, G. 4—32555
H.Kida *see* Kida H.
Hlavacek, R.A. *see* Blasius, J.E. 4—39089
Hlubek, W., Hoffmann, H., Auer, J., Sistenich, H.-P. The reliability and availability of nuclear power plants 4—56730
Hluchyj, M.G. *see* Acampora, A.S. 4—60516
Hnatek, E. A merger of CAD and CAT is breaking the VLSI test bottleneck 4—42081
Ho, A.S. *see* Cheng, L.M. 4—32026
Ho, B., Jayasumana, A., Fang, C.G. Ultrasonic attenuation tomography for dual reflection technique 4—56110
Ho, B.K. *see* Balyoz, J. 4—29974
Ho, C. *see* Zeman, R. 4—51231
Ho, C.H. *see* Jhy-Jiun Chang 4—52481
Ho, C.P., Plummer, J.D., Hansen, S.E., Dutton, R.W. SUPREM III—process simulation toward VLSI 4—30798
Ho, C.P. *see* Akinwande, A.I. 4—51881
Ho, C.T., Moeller, G., Wald, F.V., Spitzer, M.B. Characteristics of EFG ribbon solar cells fabricated by the ion implantation and pulsed electron beam annealing technique 4—34893
Ho, C.W. *see* Flint, E.B. 4—52502
Ho, C.Y., Herdonek, R.T., Noujaim, S.E., Schumacher, D. A high performance 1.5 micron CMOS 24×24 bit multiplier 4—58430
Ho, C.Yi *see* Yi Ho, C.
Ho, F.D., Kim, J.M. Analytical approximation for space charge layer capacitance of p-n junctions 4—58790
Ho, H. *see* Lindl, B. 4—61689
Ho, K.T., Suni, I., Nicolet, M.-A. Substrate orientation dependence of enhanced epitaxial regrowth of silicon 4—58029
Ho, N.J., Kratochvil, J., Blackburn, G.F., Janata, J. Encapsulation of polymeric membrane-based ion-selective field effect transistors 4—33236
Ho, P., McLane, P.J. Power-bandwidth curves for constant envelope modulators with receiver complexity as a parameter 4—43087
Ho, P.S. *see* Yang, E.S. 4—46992
Ho, P.T., Chang, C.S., Rhee, M.J., Lee, C.H., Stephenson, J.C., Cavanagh, R.R. Diamond switches and Blumlein pulse generators for kilovolt optoelectronics 4—59328
Ho, P.-T. Picosecond pulse generation with semiconductor diode lasers 4—59508
Ho, V.Q., Sugano, T. Plasma anodization of silicon 4—46966
Ho Gi Hon *see* Gi Hon Ho
Ho Kang Cheol *see* Cheol Ho Kang
Ho Kang Min *see* Min Ho Kang
Ho Lee Sang *see* Sang Ho Lee
Ho Sin Jae *see* Jae Ho Sin
Ho-Gi Kim Influence of the reaction between the dielectric and electrode material on the electrical conductivity 4—46637
Ho-Gi Kim Influence of the metallization during the manufacturing of the ceramic capacitor on the dielectric properties 4—46638
Hoac, C. *see* O'Connor, J.T. 4—52313
Hoagland, J.C. *see* York, D. 4—48764
Hoang, C. *see* Gibbons, A. 4—61232
Hoang, D.B., Ng, M.J.T. Optimal smoother for discrete time point processes with finite-state Markov rate 4—43017
Hoang, H.Q. *see* Athale, R.A. 4—53801
Hoang Tien Do *see* Do Hoang Tien
Hoard, B. The glass backbone [fiber-optic network for the Olympics] 4—48469
Hoard, B. Telecom competition, European style 4—60307
Hobbs, R.H. *see* McCartin, B.J. 4—36513
Hoberecht, W.L. A layered network protocol for packet voice and data integration 4—32078
Hoberg, R. The effects of new communication technologies on urbanisation 4—47965
Hobgood, B. *see* Abramson, P. 4—46653, 4—56683
Hobgood, R.B. *see* Abramson, P. 4—30146
Hobman, D. Computer scanning and image forming 4—44437
Hobson, E., Fletcher, D.L., Stadlin, W.O. Network flow linear programming techniques and their application to fuel scheduling and contingency analysis 4—56513
Hobson, G. *see* Edwards, M. 4—49294
Hobson, J.W. *see* Burley, N.A. 4—55445
Hobson, R.F., Snyder, W.S. CMOS VLSI design with a personal computer system 4—30815
Hobson, W.S., Johnson, P.B., Ellis, A.B., Biefeld, R.M. Photoluminescent and electroluminescent properties of $GaAs_{1-x}P_x$-$GaAs_{1-y}P_y$ isotype heterojunction electrodes 4—52772
Hoburg, J.F. *see* Dvorsky, J.E. 4—31613
Hoburg, J.F. *see* Uber, A.E., III 4—31612
Hochbaum, A. Laying cables and conductors in buildings 4—45091
Hochbaum, A. Electrical connections and connectors II 4—45141
Hochbaum, A. Electrical connections and wiring/connectors. III 4—46652
Hochbaum, A. Electrical installation and connections. IV. [Safety standards] 4—50441
Hochbaum, A. Thermally addressed smectic liquid crystal displays 4—55599
Hochenburger, E. Objective test of individual noise-limiter damping by means of impedance measurements 4—39269
Hochenburger, E., Gosy, M. Understanding of synthetic speech in noise 4—47805
Hochhaus, L., Carver, S., Brown, J.R. Control of CRT intensity via Apple II software 4—33151
Hochheiser, E., Appleby, A., Christman, E.A. Increased thermoluminescence in lithium fluoride by brief pre-heating 4—33895
Hochmair, E.S. System optimization for improved accuracy in transcutaneous signal and power transmission 4—33875
Hochschild, J. *see* Hanson, K. 4—54498
Hochstrasser, B. *see* Lagadec, R. 4—33058
Hochstrasser, P. *see* Massey, J.L. 4—43200
Hock, A., Neumann, J. Between dipole and Lecher lines 4—59868
Hocke, J., Schmidt, P.C., Tenter, U. Infrared telemetry in the service of pharmaceutics 4—38234
Hocker, G.B. Solid state sensor research at Honeywell: active thin films plus microstructures 4—61364
Hocker, J. *see* Broich, B. 4—57314
Hocker, L.P. *see* Kruse, H.W. 4—39445
Hockings, M.A. Alpha numeric replacement line protocol monitor 4—32389
Hocutt, A.M. *see* Johnson, A.L. 4—47617
Hodel, W. *see* Valk, B. 4—42703
Hodes, G. *see* Flaisher, H. 4—45588
Hodge, P. *see* Winter, C.S. 4—52051
Hodges, D.A., Jackson, H.G. Analysis and design of digital integrated circuits. International Student Edition 4—45875
Hodges, D.A. *see* Lee, H.-S. 4—51340
Hodges, R. What they're saying about digital 4—33051
Hodgins, O.C.de *see* de Hodgins, O.C.
Hodgkin, V.A. *see* Decker, D.L. 4—37412
Hodgkinson, I. *see* Chilwell, J. 4—47258
Hodgkinson, T.G., Wyatt, R., Smith, D.W., Malyon, D.J., Harmon, R.A. Studies of 1.5 μm coherent transmission systems operating over installed cable links 4—32830
Hodgkinson, T.G. *see* Smith, D.W. 4—54809
Hodgkinson, T.G. *see* White, B.R. 4—60833
Hodgkiss, W.S., Alexandrou, D. Applications of adaptive least-squares lattice structures to problems in underwater acoustics 4—53587
Hodgkiss, W.S., Alexandrou, D. Sea surface reverberation rejection 4—60107
Hodgkiss, W.S., Brienzo, R.K. Coherent recombination of sediment borne and water path acoustic signals 4—53763
Hodgkiss, W.S., Jr. Surface projections of array beam patterns [acoustic oceanographic reverberation] 4—39716
Hodgson, C.B. *see* Sultan, N. 4—37752
Hodgson, K.J. *see* Inculet, I.I. 4—57662, 4—57663
Hodgson, R.T. *see* Wagner, J. 4—51971
Hodgson, S. A multilevel, mixed state simulator for hierarchical design verification 4—30818
Hodkin, A.G., Bagshaw, J.M. Anisotropic acousto-optic interactions from bulk and surface acoustic waves 4—52739
Hodor, J. *see* Paulson, R. 4—58615
Hodson, K. Link budget calculations 4—48453
Hoefener, C.E. The use of the global positioning system for time space position information on the ranges 4—48531
Hoefer, W.J.R. *see* Kim, I.S. 4—30103
Hoefert, M., Stevenson, G.R., Yamaguchi, C. On the determination of dose equivalent for photons of energies between 4 and 10 MeV 4—33896
Hoefflinger, B., Liu, S.T., Vajdic, B. A three-dimensional CMOS design methodology 4—30761
Hoefflinger, B., Liu, S.T., Vajdic, B. A three-dimensional CMOS design methodology 4—35717
Hoefflinger, B., Poliac, M. A very-high throughput rate clocked CMOS parallel multiplier 4—59043
Hoefflinger, B. *see* Chen, T.H. 4—59036
Hoefflinger, B. *see* Grotjohn, T. 4—30629, 4—36579
Hoeft, L.O., Gieri, V.A., Hofstra, J.R. Measured transfer impedance of a 11.5-inch diameter graphite epoxy composite tube with current diverters 4—59783
Hoeft, L.O., Hofstra, J. Comparison of methods for measuring the characteristic impedance of transmission lines 4—61499
Hoeft, L.O., Hofstra, J.S. Measured transfer impedance of metallized plastic tape and knitted wire mesh cable shields 4—39272
Hoeft, L.O., Hutchins, R.L., Hofstra, J.S. Current division in shielded multiconductor cables 4—37667
Hoeft, L.O., Linder, A., Hofstra, J.S., Bernstein, D. Analysis of the effects of cable parameters on figures of merit such as 'EMP response' 4—59793
Hoeft, L.O. *see* Chalk, D. 4—37664
Hoeft, L.O. *see* Creason, R.R. 4—39282
Hoeft, L.O. *see* Hofstra, J.S. 4—37665
Hoeft, L.O. *see* Merrell, J.E. 4—59784
Hoeft, L.O. *see* Thomas, D.E. 4—37666
Hoeijmakers, M.J. On the steady-state performance of a synchronous machine with convertor 4—34624
Hoek, C. *see* Reiber, J.H.C. 4—39548
Hoelscher, J.F. *see* Wohlgemuth, J.H. 4—40468
Hoen, B. *see* Hermes, T. 4—48483, 4—59771
Hoen, K. *see* Smits, J.G. 4—48833
Hoenen, F. Spherical ionization chambers with improved energy resolution for neutron spectroscopy 4—55834
Hoenig, S., Daniel, S.W. Industry/university cooperative research activity: particle contamination in the clean room 4—50506
Hoenig, S.A. Electrostatic technology for control of dust and hydrocarbon vapors in high power laser systems 4—37411
Hoenig, S.A., Daniel, S. Improved contamination control in semiconductor manufacturing facilities 4—36416
Hoening, S., Daniel, S.W. Industry/university cooperative research activity: particle contamination in the clean room 4—30494
Hoepfner, J.D. Monitoring of X-Y-scan quality by amorphization contrast on silicon wafers 4—41978
Hoer, C.A. *see* Juroshek, J.R. 4—44791
Hoerni, J.A. An American view of the Swiss semiconductor industry 4—51929
Hoeven, W.van der *see* van der Hoeven, W.
Hof, J.J. The environmental consequences of district heating 4—62346
Hof, M. Adhesive techniques in microelectronics 4—36154
Hofbauer, F., Moraw, G. Security of high tension installations against earthquakes 4—56381
Hofeldt, D.L. *see* Farrell, P.V. 4—39345
Hofer, D.C., Jain, K., Miller, R.D. Silane polymer excimer laser photoresist 4—46909
Hofer, D.C., Miller, R.D., Pederson, L.A., Willson, C.G. Double layer lift-off process for packaging 4—29262
Hofer, D.C., Miller, R.D., Willson, C.G., Neureuther, A.R. Contrast enhanced UV lithography with polysilanes 4—58839
Hofer, D.C., Miller, R.D., Wilson, C.G. Polysilane bilayer UV lithography 4—58829
Hofer, H. *see* Anderson, L. 4—55989
Hofer, K. Closed mathematical description of line commutated converter-drives 4—57400
Hofer, P. Heat and power—cheaper with cogeneration 4—62367
Hofer-Alfeis, J., Bamler, R. Fourier transforms of 3- and 4-dimensional signals represented by picture sequences 4—38053
Hofer-Alfeis, J., Bamler, R. Three-dimensional and four-dimensional convolutions by coherent optical filtering 4—43425
Hofert, M. Two years of practical experience with LR115 as a hadron detector 4—55922
Hoff, F. Wideband subscriber services in optical transmission network 4—38607
Hoff, F. Digital technique in optical communications 4—48486
Hoffer, J. *see* Deak, I. 4—34110
Hoffer, P.B., Neumann, R., Quartararo, L., Lange, R., Hernandez, T. Improved intrinsic resolution: does it make a difference? 4—39546
Hoffman, B. *see* Barrera, J. 4—41265
Hoffman, B.M. *see* Venters, R.A. 4—51530
Hoffman, C. *see* Bolton, R. 4—55816
Hoffman, C.R. *see* Cassidy, B.M. 4—46470
Hoffman, G.R. *see* Ficke, D.C. 4—33812
Hoffman, H.J. *see* Kassing, R. 4—36248
Hoffman, H.S., Jr., Milich, T.J. Brightness control modulation in a plasma panel 4—61459
Hoffman, J., Cizmar, A. A contribution to voice/noise recognition in a speech signal in speech transmission and recognition 4—44463
Hoffman, L.A. *see* Jacobs, R.M. 4—45913
Hoffman, L.C. An overview of thick film hybrid materials 4—46740

Hoffman, M.E., Gideon, M., Muller, K. Energy saving in air conditioning plants 4—57584
Hoffman, M.S., Cramer, M.L. Use of a secondary task methodology for determining acceptability of flat-panel display technologies in consumer environments 4—44448
Hoffman, R.A. *see* Sinharoy, S. 4—52013
Hoffman, R.C. *see* Jiing-Lih Farh 4—50623
Hoffman, S.D. *see* Coen, S.W. 4—54980
Hoffman, W.K. *see* Erdelyi, C.K. 4—51298
Hoffmann, E. Energy supply—target conflict: security of supply, good value and environmental protection 4—49512
Hoffmann, H. *see* Hlubek, W. 4—56730
Hoffmann, H.J., Woodall, J.M. Photo-enhanced etching of *n*-Si 4—30520
Hoffmann, K. *see* Haberger, K. 4—41977
Hoffmann, L. *see* Krimmel, E.F. 4—31250
Hoffmann, M. Why and how small power stations are being built. I. [hydroelectric power stations] 4—45341
Hoffmann, R. Variational formulation of electromagnetic field problems in gyrotropic media 4—53135
Hoffmann, W. Single-chip CMOS speech synthesis system 4—31911
Hoffmann, W. *see* Pham, M.T. 4—55373
Hofheinz, W. Selection of threshold values of insulation monitors 4—62249
Hofherr, D. The case history of Radio Weinstrasse, cable radio station 4—54954
Hofland, R., Jr. *see* Amimoto, S.T. 4—37438
Hofman, M. *see* Ctyroky, J. 4—42369
Hofmann, D. *see* Munz, W.D. 4—29522
Hofmann, H. System's availability as the objective of spare-parts supply 4—57869
Hofmann, H.M.E. Microlithography and wafer flatness 4—52189
Hofmann, H.P. CMOS—microcomputer 6301X 4—51272
Hofmann, H.R. *see* Farber, L. 4—39264
Hofmann, R. Utility upgrades its plant computers 4—45217
Hofmann, R., Neel, J. The Prairie Island computer upgrade project 4—49546
Hofmann, R. *see* Kemmer, J. 4—33652
Hofmann, R. *see* Tosch, R. 4—42747
Hofmann, S., Munzenberg, G., Hessberger, F.P., Schott, H.J. Detector system for investigation of proton radioactivity and new elements at SHIP 4—56013
Hofmann, W. Few regulations for installations involving electricity in farming 4—45810
Hofri, M., Konheim, A. The analysis of a finite quasi-symmetric ALOHA network with reservation 4—47942
Hofstad, P. *see* Sand, K. 4—56582
Hofstadter, R. *see* Bolton, R. 4—55816
Hofstadter, R. *see* Otis, J.N. 4—39544
Hofstadter, R. *see* Zeman, H.D. 4—56094
Hofstetter, A. *see* Frank, F. 4—49301
Hofstra, J. *see* Hoeft, L.O. 4—61499
Hofstra, J.R. *see* Hoeft, L.O. 4—59783
Hofstra, J.S., Hoeft, L.O. Measured transfer impedance and current reduction ratios of a generic cableway 4—37665
Hofstra, J.S. *see* Chalk, D. 4—37664
Hofstra, J.S. *see* Hoeft, L.O. 4—37667, 4—39272, 4—59793
Hofstra, J.S. *see* Merrell, J.E. 4—59784
Hofstra, J.S. *see* Thomas, D.E. 4—37666
Hoft, H. *see* Vogel, N. 4—41644
Hoft, R.G. *see* Kawamura, A. 4—57147, 4—57227
Hogan, G. *see* Bolton, R. 4—55816
Hogan, J. *see* Chiu, W. 4—39095
Hogan, W., Spellman, M. Enhancing spread spectrum system testability 4—38672
Hogari, K. *see* Kukita, S. 4—42356, 4—44095, 4—52562
Hogarth, C.A. *see* Al Ramadhan, F.A.S. 4—30468
Hogarth, C.A. *see* Al-Ramadhan, F.A.S. 4—58818
Hogarth, C.A. *see* Iqbal, T. 4—41920
Hogarth, C.A. *see* Khan, M.N. 4—30357
Hogarth, C.A. *see* Ray, A.K. 4—30466, 4—51915
Hogbom, T. *see* Berndt, T. 4—62472
Hoge, H. New filter bank design for a channel vocoder based on the perceptional properties of the human ear 4—37894
Hoge, H. A parametric representation of short-time power spectra based on the acoustic properties of the ear 4—60002
Hogers, H.P. What's been happening in local area networks 4—60488
Hogg, B.W. *see* Abdalla, O.H. 4—34628
Hogg, B.W. *see* Fakruddin, D.B. 4—62232
Hogg, B.W. *see* Osheba, S.M. 4—45017
Hogg, D.E. *see* Resch, G.M. 4—48537
Hogg, W.K. *see* Sedding, H.G. 4—59103
Hogge, C.R. *see* Maxham, K.Y. 4—54785
Hogin, J.L. *see* Vogelsang, C.H. 4—30816
Hogle, R. *see* Hsu, G. 4—41088
Hoglund, I. MOSart—a design system for cell based custom and gate array CMOS ICs 4—36888
Hogsholm, A. System constraints affecting the design of switched mode onboard battery chargers for electrical vehicles 4—45537
Hoh, K. Soft X-ray lithography with synchrotron radiation 4—46914
Hoh, P.D. Grounding shield for electron beam gun 4—30244
Hoh, Y.-S. Propagation prediction for the Navy extremely low frequency (ELF) program 4—59749
Hoheisel, M., Carius, R., Fuhs, W. Photoconductivity and photoluminescence of a-Si:H at low temperature 4—30359
Hohenwarter, G.K. *see* Beyer, J.B. 4—36049
Hohkawa, K., Ishida, A. An interferometer direct-coupled Josephson logic gate 4—46419
Hohkawa, K., Ishida, A. 2/3 majority Josephson logic gate employing high gain direct coupled logic gates 4—51163
Hohkawa, K., Nitta, J., Ishida, A. A Josephson adder employing high-gain direct-coupled logic gate 4—51369
Hohkawa, K. *see* Tokumitsu, M. 4—52512
Hohl, J.H., Larsen, W.R., Schooley, L.C. Prediction of error probabilities for integrated digital synchronizers 4—41435
Hohl, R., Golletz, H. Modern techniques in the construction of overhead constant systems 4—34992
Hohla, K. *see* Basting, D. 4—53034
Hohle, U. Compact $\mathcal{G}$-fuzzy topological spaces 4—46117
Hohm, D., Gerhard-Multhaupt, R. Silicon-dioxide electret transducer 4—39754
Hohman, V.R. 900 MHz radio provides two-way path for control and return 4—48390
Hohmann, H. Economical process data acquisition using a field-bus system 4—55302
Hohmann, W.P. A new generation of mains interference filters 4—29996
Hohmuth, G. Dynamics in the electroacoustic transmission systems 4—61160
Hohmuth, G. *see* Anger, H.-H. 4—33045
Hohn, A., Roeder, A. BBC solution for low pressure rotors endangered by stress corrosion cracking 4—62380
Hohn, M., Glattes, T. New sensor technology: reduced dimensions and cost 4—39146
Hohne, E., Kramer, K. The reciprocal influencing of conductor-rail systems through magnetic fields 4—40549
Hohne, J. Benchmark for logic simulators: test the program of your wishes with simple means 4—51106
Hohne, K.H. *see* Obermoller, U. 4—38054
Hohneker, W., Kicherer, H., Unbehauen, R., Wupper, A. Analog circuit design in the time and frequency domains—approximation problems. I 4—29603
Hohneker, W., Kicherer, H., Unbehauen, R., Wupper, A. Analog circuit design in the time and frequency domains—approximation problems. II 4—35594
Hojaboom, R.H. Interface circuit [for IBM Personal Computer] 4—51288
Hojan, E., Perz, P. Quantitative determination of vibrational distribution at the diaphragms of electroacoustic transducers by holographic interferometry methods 4—39751
Hojo, A., Ikawa, Y., Toyoda, N. GaAs digital ICs using Pt-buried gate technique 4—42171
Hojo, A. *see* Ikawa, Y. 4—51168
Hojo, A. *see* Shimizu, S. 4—51387
Hojo, A. *see* Terada, T. 4—30730
Hojo, A. *see* Toyoda, N. 4—29883
Hojo, A. *see* Yasuami, S. 4—41888
Hojo, H. *see* Koyanagi, M. 4—62878
Hok, B., Ovren, C., Gustafsson, E. Batch fabrication of micromechanical elements in GaAs-$Al_xGa_{1-x}As$ 4—33228
Hokari, Y., Mikami, M., Egami, K., Tsuya, H., Kanamori, M. Characteristics of MOS FET prepared on $Si/MgO.Al_2O_3/SiO_2/Si$ structure 4—36629
Hokari, Y. *see* Mikami, M. 4—41068
Hokazono, H., Midorikawa, K., Obara, M., Fujioka, T. Theoretical analysis of a self-sustained discharge pumped XeCl laser 4—52900
Hoke, W.E., Labossier, W.L. Molecular beam epitaxial growth of GaAs millimeter-wave IMPATT diode material 4—51533
Hoke, W.E., Lemonias, P.J., Traczewski, R. Metalorganic vapor deposition of CdTe and HgCdTe epitaxial films on InSb and GaAs substrates 4—41041
Hokkyo, J., Hayakawa, K., Saito, I., Shirane, K. A new W-shaped single-pole head and a high density flexible disk perpendicular magnetic recording system 4—30995
Hokland, J. Receiving signals from the ECS satellites 4—54670
Holah, G.D., Simpson, O. Infrared reflectivity of InGaAsP grown by molecular beam epitaxy 4—36281
Holben, R.D. *see* Parvin, B.A. 4—53830
Holber, W. *see* Reksten, G. 4—46947
Holbrook, R.O. BIT detectability/reliability in expendable weapons 4—46046
Holbrow, W.F., Jr. *see* Ostroy, L. 4—54955
Holck, A. Low-cost speech processing with TMS32010 4—53579
Holck, A.W., Anderson, W.W. A single-processor LPC vocoder 4—54464
Holck-Jorgensen, H.J. Lower protection level and larger energy capacity: zinc oxide overvoltage conductors give better supply security 4—49637
Holcomb, L.B. A user's view of optical disc applications 4—44266
Holden, H. Computer-aided bareboard testing 4—46725
Holden, S.C. *see* Russo, C.J. 4—36424
Holden, W.S. *see* Campbell, J.C. 4—37224, 4—52808
Holdik, K. *see* Ambrosy, A. 4—34011
Holding, N.L. *see* Sulley, J.L. 4—34547
Holdridge, D.B. *see* Davis, J.A. 4—53429
Holdsworth, D., Paul, D. Two-lens spectrometer for β polarimetry 4—55991
Holgersson, M. A survey of energy consumption in the Swedish housing stock 4—57377
Hollaar, L.A. *see* Tao Li 4—41334
Holland, D.M.P. *see* Parr, A.C. 4—55993
Holland, J.W., Gulden, T.D. Thermionic fuel element technology status 4—61860
Holland, L. Future applications of a full capability engineering work station 4—42115
Holland, L. *see* Meek, P.R. 4—41102
Holland, L.D. The DES railgun facility at CEM-UT 4—42789
Holland, L.D. Distributed-current-feed and distributed-energy-store railguns 4—42793
Holland, L.D. *see* Nalty, K.E. 4—42807
Holland, M. Future fuels for generating sets 4—56857
Holland, M. *see* Dammann, G. 4—54525
Holland, O.W., Narayan, J. Mechanism for dynamic annealing during high flux ion irradiation in Si 4—30505
Holland, R. Finite-difference solution of Maxwell's equations in generalized nonorthogonal coordinates 4—31693
Holland, R. THREDS: a finite-difference time-domain in EMP code in 3-D spherical coordinates 4—31694
Holland, R., Schmelzer, J. Effects of back emission, backscatter, and Klein-Nishina injection on soil-interface close-in environments 4—31695
Holland, R., Williams, J.W. Total-field versus scattered-field finite-difference codes: a comparative assessment 4—31692
Holland, R.C. Study notes for technicians. Microprocessor based systems levels 4 and 5 4—29169
Holland, S., Chen, I.C., Ma, T.P., Hu, C. On physical models for gate oxide breakdown 4—59063
Hollander, J.M., Brooks, H. *(editor)* Annual review of energy. Vol.8 4—29114
Hollandsworth, R.P., Adams, G.B., Webber, B.D. Development of alkaline zinc/ferricyanide battery 4—40373
Hollandsworth, R.P. *see* Levy, D.J. 4—40417
Holle, A.L.Von *see* Von Holle, A.L.
Holle, J. *see* Thoma, H. 4—49316
Hollebone, C. Sony's contribution to digital audio 4—33034
Holleck, G.L., Feiman, V., Longendorfer, D.H. Common pressure vessel Ni/H_2 battery—a demonstration of feasibility [satellite batteries] 4—40392
Hollenberg, K. *see* Heinrich, J. 4—31467
Holler, H.K. An update of the Annapolis tidal power plant 4—45356
Hollerbach, J.M. *see* Fearing, R.S. 4—49023
Holley, B.R. Non-contact semiconductor wafer cleaning 4—46949
Holley, W.R. *see* Llacer, J. 4—49173
Hollingsworth, P. Stabilised power supply characteristics and facilities 4—45516
Hollingum, J. The advantages of central research activities 4—50468
Hollingum, J. A laser interferometer with far-reaching effects 4—55304
Hollins, B.E. Processing linear devices for performance and reliability 4—36648
Hollins, R.C., Jordan, D.L. Electro-optic frequency shifts in a Q-switched CO_2 laser 4—47416
Hollins, R.C. *see* Jordan, D.L. 4—37500
Hollis, R.L., Hammer, R., Al-Jaroudi, M.Y. Subsurface imaging of glass fibres in a polycarbonate composite by acoustic microscopy 4—35527
Hollis, R.L., Jr. Pin hole detection in films by voltage breakdown [semiconductor package devices application] 4—52042
Hollman, H. *see* Duhamel, P. 4—57994
Hollmann, B.Z. *see* Sarkar, T.K. 4—38006
Hollmann, H. *see* Duhamel, P. 4—53356
Hollomon, J.K. Manufacturing technique analysis for surface mount technology 4—46693
Hollos, G., Kaim, R., Shachar, Y., Yurman, Y. Recent developments at the Rehovot 14UD Pelletron 4—33594
Holloway, H. *see* Brailsford, A.D. 4—59344
Holloway, H.E., Stull, M. A switching system delivers [data communication] 4—54451
Holloway, J.P. *see* Stubbins, J.F. 4—62319
Holloway, P. A trimless 16b digital potentiometer [for monolithic DAC] 4—51341
Holloway, P.H. *see* Wang, Y.X. 4—41889
Holm, E., Rioseco, J., Garcia-Leon, M. Determination of ^{99}Tc in environmental samples 4—55999

Holm, E.D., Westerfield, E.E. A GPS fast acquisition receiver 4—38742
Holm, P. *see* Roedel, R.J. 4—51992
Holm, P.M. *see* Roedel, R.J. 4—40448
Holm, R.T. *see* Palik, E.D. 4—51922
Holman, B.L. *see* Moore, S.C. 4—56098
Holman, D.F. *see* Kocache, R.M.A. 4—48867
Holman, R.R., Christenson, J.A., Lundberg, W.L. A parametric study of commercial MHD/steam plant cost and cost of electricity 4—40125
Holmberg, S.H. *see* Flasck, R.A. 4—47303
Holmen, J.O. *see* Royer, M. 4—33230
Holmes, A.J.T., Green, T.S. Extraction and acceleration of H^- ions from a magnetic multipole s ource 4—61606
Holmes, A.J.T., Green, T.S., Dammertz, G. H^- and electron production in a magnetic multipole source 4—44668
Holmes, B.S. Measuring pressure from short laser pulses 4—61576
Holmes, D.E. *see* Chen, R.T. 4—58918
Holmes, D.E. *see* Kirkpatrick, C.G. 4—50796
Holmes, E.W., Ngan, Y.C. High power Ka-band solid state amplifier 4—32770
Holmes, J. Securing dial-up networks 4—38170
Holmes, J. *see* Davidson, B.J. 4—34441
Holmes, J.D. Effect of frequency response on peak pressure measurements 4—49034
Holmes, J.K. Bit synchronizers for PSK and their digital implementation 4—53381
Holmes, J.K. *see* Polydoros, A. 4—37961, 4—37962
Holmes, J.T. The Solar Molten Salt Electric Experiment 4—34508
Holmes, P. *see* Belair, J. 4—58195
Holmes, P.E. *see* Saunders, M.P. 4—47141
Holmes, P.G. *see* Abdel-Kader, F.E. 4—62492
Holmes, R. Designer's notebook [voltage multiplier circuits] 4—29640
Holmes, R. ZX analogue-to-digital converter 4—29940
Holmes, R. *see* Agarwal, M.S. 4—30235, 4—30236
Holmes, R.A. Advanced sensor systems: Thematic Mapper and beyond 4—61906
Holmes, R.W. *see* Bowden, W.L. 4—34835
Holmes, S., Fleming, M. Combining the best of SNA and X.25 architectures 4—48193
Holmes, T.J., Snyder, D.L., Ficke, D.C. A statistical analysis of count normalization methods used in positron-emission tomography 4—39533
Holmes, T.J. *see* Ficke, D.C. 4—33812
Holmes, W.M., Jr. The ACTS multibeam communications package cost-effective advanced communications technology 4—38565
Holmgren, S.O. *see* Bizzarri, R. 4—55976
Holmquist, G.R. *see* Rogovsky, A.J. 4—29563
Holmquist, J.R. Motor heater 4—62501
Holodnik, B. *see* Adie, G. 4—41730
Holohan, A.M., Prunty, S.L. Carbon dioxide waveguide laser design for maximum output power at specified frequency offset 4—59428
Holonyak, N. *see* Epler, J.E. 4—52981
Holonyak, N. *see* Meehan, K. 4—31369
Holonyak, N., Jr. *see* Brunemeier, P.E. 4—35492
Holonyak, N., Jr. *see* Epler, J.E. 4—59493
Holonyak, N., Jr. *see* Meehan, K. 4—31388
Holowick, E. *see* Whitehead, W.R. 4—32756
Holsken, H. *see* Ording, E.C. 4—54190
Holst, T. *see* Beer, M. 4—61282
Holt, A.R., McGuinness, R., Evans, B.G. Frequency scaling propagation parameters using dual-polarization radar results 4—47600
Holt, D.B. *see* Lesniak, M. 4—45663
Holt, D.B. *see* Luther, P.K. 4—44420
Holt, D.E. Combined X-ray/beta sensor advances nuclear gauging technology 4—44693
Holt, R. Contactors—design, development and production 4—57260
Holt, R.M. *see* Hovem, J.M. 4—61978
Holtan, A.G. Cost of service for rate design 4—49521
Holte, K.C. *see* McCrackin, F. 4—49663
Holtham, P.M. GOES satellite timekeeping for field stations at high Arctic latitudes 4—44901
Holtz, J., Stadtfeld, S. Field-oriented control by forced motor currents in a voltage fed inverter drive 4—57403
Holtz, L.van *see* van Holtz, L.
Holtzberg, F. *see* von Molnar, S. 4—30383
Holtzman, J.C. *see* Frost, V.S. 4—61894
Holubowicz, W., Szulakiewicz, P. Multi-T realization of multi-H phase codes 4—43174
Holy, K. *see* Florek, M. 4—44688
Holzer, A. Earthing and potential equalization, two complementary protective measures. II 4—39929
Holzer, A. Neutral point treatment and voltage equalization, two protective measures which are complementary 4—40795
Holzer, A. Earthing and bonding, two complementary protective measures. III. (conclusion) 4—45155
Holzer, H. Economic aspects of electrical heating and the use of heat pumps in Austria 4—45759
Holzer, H., Szeless, A. Oil substitution in the Austrian electricity supply industry 4—39970
Holzer, J. Tactical communications control 4—32213
Holzgrebe, H. The DTN1 digital transmission system 4—32562
Holzgrebe, H. The CCITT No.7 central signalling system 4—43876
Holzgrebe, H. The AXE 10 digital switching system 4—60596
Holzgrebe, H.G. The Protel GTD-5C digital switching system 4—60597
Holzgrebe, H.G. NEAX 61 digital switching system 4—60598
Holzmann, G.J. The Pandora system: an interactive system for the design of data communication protocols 4—43757
Holzworth, R.H. Hy-wire measurements of atmospheric potential 4—39706
Homa, S., Jr. Tactical switched message communications 4—38178
Homan, C.G., Scholz, W. Evaluation of superconducting augmentation on rail gun systems 4—42816
Homann, H.-J. Management of the Tobruk power station and seawater desalination plant 4—35218
Homann, H.-J. Operation of the Jeddah 2 power and seawater desalination plants 4—40080
Hombach, V., Thielen, H. Limitations of the projected shadow method for estimating the strut influence in paraboloidal antennas 4—59865
Homberger, E. New considerations on the avoidance of hazardous contact potential 4—56666
Homberger, E., Ineichen, H. Safety-technical judgement of electric products for low voltage application 4—40780
Homburg, D. Filling line inspection—not just for breweries 4—57865
Homburg, D. *see* Leitl, F. 4—46481, 4—46495
Homer, R.J. *see* Astbury, A. 4—33756
Homewood, K.P. An experimental investigation of the depth of penetration of charge into insulators contacted by a metal 4—41911
Homma, A. *see* Yamazaki, H. 4—44522
Homma, S. *see* Inoue, M. 4—39276
Homma, T., O'Brien, E.M., Smith, D.B. A computerized pattern recognition system for spikes and sharp waves in the EEG 4—61803
Homma, Y. *see* Ishii, Y. 4—51773
Homma, Y. *see* Ushida, N. 4—56030
Homma, Y. *see* Wada, Y. 4—36864
Hommes, E., Paap, G.C. The analysis of the 3-phase squirrel-cage induction motor with space harmonics. I. Equations developed by a new time-dependent transformation 4—45427
Hommes, E., Paap, G.C. The analysis of the 3-phase squirrel-cage induction motor with space harmonics. II. The influence of the space harmonics on the transient behaviour 4—45428
Hon, A.L. *see* Goller, K.R. 4—56783
Hon, A.L. *see* Tylee, J.L. 4—49696
Hon Ho Gi *see* Gi Hon Ho
Honary, B. *see* Darnell, M. 4—37682
Honda, C. *see* Mizunami, T. 4—42590
Honda, K. Compact and highly efficient incandescent lamps 4—45734
Honda, K., Ohsawa, A., Toyokura, N. Breakdown in silicon oxides—correlation with Cu precipitates 4—52319
Honda, M., Aoyagi, H., Koya, M., Kobayashi, N., Tamura, M. V-I characteristics of epoxy mold insulation for sustained AC voltage 4—42196
Honda, M., Itakura, F. Bit allocation in time and frequency domains for predictive coding of speech 4—47797
Honda, M. *see* Hayashi, S. 4—47810, 4—53407
Honda, N., Kuwashima, H. Digital control system for large capacity steam turbines 4—40089
Honda, N. *see* Izumi, H. 4—29319
Honda, N. *see* Yamashita, M. 4—60213
Honda, S. *see* Kawasaki, T. 4—32296
Honda, T. *see* Bando, Y. 4—51726
Honda, T. *see* Endo, M. 4—37406
Honda, T. *see* Kugawa, Y. 4—62894
Honda, T. *see* Okada, K. 4—37479
Honda, T. *see* Tominaga, S. 4—43643
Honda, T. *see* Yamazaki, H. 4—52287
Honda, Y., Hattori, K., Hagiwara, T., Tomura, M. Communication processing gateway switching program 4—54529
Honda, Y. *see* Alsbach, W. 4—34765
Honda, Y. *see* Tsuya, N. 4—34766
Honderd, G. *see* van Amerongen, J. 4—62752
Honderd, G. *see* van den Bosch, P.P.J. 4—34022
Honekamp, H., Katzmann, A. Concerning the design of water distribution systems for large cooling towers 4—34371
Honey, P.J. Electronic mail—a carrier's perspective 4—60429
Hong, C.S. *see* Kim, M.E. 4—31176, 4—52691, 4—58975
Hong, C.-S. *see* Hwang, H.-L. 4—50082
Hong, J.H. Frequency/phase-locked detector 4—29725
Hong, J.H., Stammely, T.E. Phase-locked loop with fast acquisition time 4—29724
Hong, J.H. *see* Coburn, R.L. 4—29722
Hong, K.S., Cho, Z.H., Hilal, S.K Mega-channel coincidence circuit for multilayer spherical ring positron emission tomography 4—39478
Hong, M. *see* Ekin, J.W. 4—52476
Hong, U.S., Jansen, R.H. Influence of structural parameters on the resonance frequencies of dielectric resonators mounted in microstrip circuits 4—30074
Hong Dai-ji Multi-heat source thermodynamic cycle and its power plant applying low-moderate temperature heat source 4—62345
Hong Guangyan, Liu Yuesen Effects of rare-earth elements on $KNdP_4O_{12}$ laser crystals 4—31350
Hong Guangzhong *see* Ruan Yongsheng 4—31351
Hong Jingfen, Ming Naiben, Yang Yongshun, Zhu Jinsong, Yang Zhen, Wang Yening, Feng Duan Enhancement of second-harmonic generation in $LiNbO_3$ crystals with polysynthetic domains 4—37467
Hong Kim Ju *see* Ju Hong Kim
Hong Le Duc *see* Le Duc Hong
Hong Liu *see* Jian-Zhong Jiao 4—42724
Hong Ngai Hung *see* Ngai Hung Hong
Hong Shon Ngueyen *see* Ngueyen Hong Shon
Hong Wang *see* Wang Hong
Hong Zhang *see* Zhang Hong
Hong-fei Guo *see* Guo Hong-fei
Hong-fu Li *see* Li Hong-fu
Hong-guang Chi *see* Chi Hong-guang
Hong-jun Zhang *see* Zhang Hong-jun
Hong-lie Fang *see* Fang Hong-lie
Hong-Seok Kim *see* Myung-Hwan Oh 4—61174
Hong-Sheng Sun *see* Sun Hong-Sheng
Hong-yi Chen *see* Chen Hong-yi
Hongchang Fan *see* Fan Hongchang
Hongfen Tang *see* Tang Hongfen
Hongfen Zhang *see* Zhang Hongfen
Hongjin Pan *see* Pan Hongjin
Hongju Liu *see* Liu Hongju
Hongjun Yang *see* Yang Hongjun
Honglie Fang *see* Fang Honglie
Hongo, I. *see* Miyabe, H. 4—60411
Hongxiang Wang *see* Wang Hongxiang
Hongxun Liu *see* Liu Hongxun
Hongzhao Sun *see* Sun Hongzhao
Hongzhen Wang *see* Wang Hongzhen
Honig, E.M. Generation of a 75-MW 5-kHz pulse train from an inductive energy store 4—34745
Honig, E.M. Switching considerations and new transfer circuits for electromagnetic launch systems 4—42803
Honig, M.L., Messerschmitt, D.G. Comparison of least-squares and stochastic gradient lattice predictor algorithms using two performance criteria 4—47836
Honig, M.L. *see* Barta, S.M. 4—38114
Honig, P. Calculating the radiation characteristic of a circular aperture in cases of retaining symmetry 4—59844
Honigschmid, J. *see* Avirovic, M. 4—58009
Honishi, T. *see* Kawarada, H. 4—31926
Honjo, K. On temperature characteristics for a GaAs monolithic broad-band amplifier having resistive loads 4—41592
Honjo, K. *see* Sugiura, T. 4—30104
Honjo, S., Tsugita, M. Pictorial images simulating tone reproduction characteristics of typical electrophotographic photoreceptors 4—53164
Honkala, J. Bases and ambiguity of number systems 4—50670
Honlein, W., Landwehr, G. Negative magnetoresistance of (100) n-Si MOSFETs under substrate bias 4—52132
Honlein, W., Landwehr, G. Energy relaxation of warm electrons in (100)-Si-MOSFETs under substrate bias 4—58810
Honma, A. *see* Astbury, A. 4—33756
Honma, H., Sagawa, M. On improving the accuracy and error analysis in floating point FFT computation 4—46202
Honma, K. *see* Riko, Y. 4—32715
Honma, N., Munakata, C., Itoh, H. Measurement of minority carrier lifetimes using AC photovoltages excited by two photon beams of different wavelengths 4—51745
Honma, N. *see* Tamaki, Y. 4—29880
Honma, S., Saito, Y. Time service using long-wavelength standard radio (JG2AS/JJF-2) 4—33503
Honma, S. *see* Kitazawa, T. 4—33421
Honma, S. *see* Tanaka, M. 4—33502
Honma, T. *see* Soga, M. 4—58507
Honninger, E. Safety requirements in low voltage electrical power installations 4—40785
Hononyak, N., Jr. *see* Brown, J.M. 4—46842
Honorati, O. *see* Babare, A. 4—34056
Honorati, O. *see* Ciaffi, M. 4—34561
Hoo, R. *see* Bir, D. 4—48368
Hoo, S.K. *see* Goshey, J. 4—61336
Hood, J.L. Audio design 4—33055
Hood, J.L. Moving coil PU head amp 4—33056
Hood, J.L. Stabilised hi-fi PSU 4—35621
Hood, J.L. Audio design 4—38936
Hood, J.L. Audio design 4—44328
Hood, J.L. Audio design [power amplifiers] 4—55088
Hood, J.Linsley *see* Linsley Hood, J.
Hooft, G.W.'t *see* 't Hooft, G.W.
Hoogenboom, A.M. *see* van der Borg, K. 4—33593
Hoogeveen, L.P.J., Spruijt, A.M.J. Flatness characteristics of media for optical recording 4—52524
Hook, M.Van *see* Van Hook, M.

Hooke, A.J. Packet telemetry and packet telecommand: the new generation of spacecraft data handling techniques 4−48461
Hooley, J. Video teleconferencing: the technology of the '80s 4−61109
Hooley, J.R. Integrated communication systems for growing companies 4−48334
Hoon Kang, Byoung Goo Min, Keh Kun Choi Estimated action potentials during repolarization phase from the body surface electrocardiogram 4−47857
Hooper, A., Lundsgaard, J.S., Owen, J.R. The fabrication and testing of solid-state cells 4−45612
Hooper, A., Tofield, B.C. All-solid-state batteries 4−34840
Hooper, A. *see* Dell, R.M. 4−45613
Hooper, R. British Telecom and Prestel/videotex 4−48095
Hooper, R. Building purposeful products [videotex] 4−48173
Hooper, R.C. *see* Chidgey, P.J. 4−60842
Hooton, B.W. Physics in nuclear safeguards 4−35255
Hooton, H.D. From base to beams [antenna tower design] 4−37783
Hoover, R.A., Murray, J.P. ECL to NMOS receiver 4−41308
Hoover, R.A. *see* Evans, L.G. 4−33961
Hoover, W.A., Tabor, T.L., Broadwater, R.P. Digital computer simulation of electrical power plant control systems 4−62265
Hope, C.W. Models for the assessment of research and development−why does fusion get such a good press? 4−34323
Hope, D.A.O., Cockayne, B. A new etch feature in germanium- and silicon-doped LEC gallium arsenide 4−58857
Hope, G.S. *see* Ghosh, A. 4−62069
Hope, G.S. *see* Kanniah, J. 4−45423, 4−45424, 4−49523
Hope, G.S. *see* Tripathy, S.C. 4−45279, 4−62025
Hope, P.W. BBC World Service programme distribution by satellite 4−38763
Hope, P.W. Uplink earth stations 4−48454
Hope, W.J.De *see* De Hope, W.J.
Hopf, F.A., Bowden, C.M., Louisell, W.H. Mirrorless optical bistability with the use of the local-field correction 4−37454
Hopf, J. *see* Lindenmeier, H. 4−42861
Hopfel, R.A., Gornik, E. Two-dimensional plasmons and far infrared emission 4−58812
Hopfel, R.A., Vass, E., Gornik, E. Density and field dependence of the phonon-limited hot-electron temperature in n-Si inversion layers 4−36355
Hopin, V.F. *see* Belov, A.V. 4−47250
Hopkins, D. Cheap photodiodes 4−31232
Hopkins, D.B. *see* Orzechowski, T.J. 4−47368
Hopkins, D.K.W. *see* Lothian, J.S. 4−48561
Hopkins, F.E., Morlan, T., Wood, D. Energy demand forecasting and policy analysis 4−39977
Hopkins, F.K., Boyd, J.T. Dark current analysis of InSb photodiodes 4−59342
Hopkins, J.B., Farrow, L.A., Fisanick, G.J. Polarization sensitive Raman microprobe studies of local crystal quality in laser annealed silicon 4−51937
Hopkins, R.A. *see* Raynham, E.F. 4−39784
Hopkins, R.A. *see* Urbach, A.R. 4−44810
Hopkins, R.E., Morris, G.M. White light Fourier transform lens 4−31205
Hopkins, R.H., Seidensticker, R.G., Schruben, J. Modeling thermal stress effects in silicon web growth 4−29458
Hopkinson, A. The definition and objective testing of simulator accuracy requirements 4−34313
Hopkinson, G.R. *see* Lumb, D.H. 4−39060
Hopley, J. Managing automation−the manufacturing director's role 4−35275
Hopman, H. *see* Taggart, D. 4−33609
Hopman, H.J. *see* Granneman, E.H.A. 4−44681, 4−61609
Hopman, H.J. *see* Taggart, D.P. 4−39380
Hopp, S.E. *see* Lenz, J.J. 4−58586
Hoppe, W.C. *see* Bar-Cohen, Y. 4−39755
Hopper, E.H. Interfacing servomotors drives and controls−today and tomorrow 4−50132
Hopper, G.F., Davis, J.R., McMahon, R.A., Ahmed, H. Silicon-on-insulator CMOS transistors in dual electron beam recrystallised polysilicon 4−42154
Hopper, G.S. *see* Arcus, A.A. 4−30688
Hopwood, S. R&D 4−45894
Hora, C.J. *see* Schuster, H.J. 4−43817
Hora, H., Viera, G. The lateral injection free electron laser: momentum balance and axial shift of electrons 4−52868
Horacek, G. *see* Strohmer, F. 4−62448
Horak, J., Szkutnik, J. Electrical energy distribution cost analysis 4−62046
Horak, J., Zajac, J., Kaluza, A. The effect of encashment errors of the ZBYT-system on analysis results of network losses 4−45053
Horak, J. *see* Lostak, P. 4−30370
Horak, O. The electromagnetic pulse (EMP) as a danger for the world of electronics 4−53226
Horak, W., Kronert, G. An object oriented office document architecture model for document interchange between open systems 4−32278
Horak, W. *see* Nemeth, K. 4−32279
Horblit, B. *see* Riga, G. 4−55681
Horcholle, P. New standard in voltage measurement 4−39251
Horden, I., Smith, L., Toth, A. Unique I/O expansion techniques of the 8052 microcontroller 4−41388
Horden, I. *see* Smith, L., Jr. 4−57496
Hordijk, A., Kallenberg, L.C.M. Transient policies in discrete dynamic programming: linear programming including suboptimality tests and additional constraints 4−50698
Horgan, J. *see* Fischetti, M.A. 4−45226
Hori, M. *see* Shimada, T. 4−47481
Hori, R. *see* Itoh, K. 4−51249
Hori, T. *see* Saito, K. 4−32820
Hori, Y., Muta, T., Yamada, Y., Kato, H. A new device for measuring the velocity of a projected particle by using an optical fiber 4−44620
Hori, Y. *see* Terada, M. 4−60590
Horie, H., Fukano, T., Ito, T. Reduction of through-hole resistance in multilevel interconnections 4−42091
Horie, N. *see* Matsuda, T. 4−58252
Horie, Y. *see* Shimada, R. 4−31875
Horigome, T. *see* Hirono, T. 4−62464
Horiguchi, M. *see* Omori, Y. 4−52595
Horiguchi, S., Ishizone, T., Mushiake, Y. Mutual coupling effects on characteristics of turnstile spherical array antenna 4−42932
Horiguchi, S, Kobayashi, T., Saito, K. Submicron MOSFET characteristics with nanometer gate oxide 4−42074
Horiguchi, S., Ogawa, K., Aoki, T. Programmable data terminals for graphic and kanji processing 4−43831
Horiguchi, S. *see* Kasai, R. 4−51166
Horiguchi, S. *see* Nikaido, T. 4−38404
Horiguchi, T., Nakazawa, M., Tokuda, M., Uchida, N. An acoustooptical directional coupler for an optical time-domain reflectometer 4−42435
Horii, H. *see* Uchikawa, F. 4−33252
Horii, K., Kuroda, T., Matsumoto, S. A new configuration of CCD imager with a very low smear level−FIT-CCD imager 4−48748
Horii, K. *see* Ishihara, K. 4−52341
Horii, K. *see* Nakashima, H. 4−59100
Horii, T. *see* Wakui, G. 4−57077
Horiike, Y. Dry etching: an overview 4−46965
Horiike, Y. *see* Okano, H. 4−41984
Horikawa, H. *see* Imanaka, K. 4−42613, 4−52952
Horikoshi, E. *see* Suzuki, Y. 4−59131
Horikoshi, J. Error performance improvement of QDPSK in the presence of cochannel or multipath interference using diversity 4−31830
Horikoshi, J. Error performance considerations of $\pi/2$-TFSK under the multipath interfering environment 4−31832
Horikoshi, Y. Temperature dependence of laser threshold current 4−31400
Horikoshi, Y. Lasing characteristics of PbSnSeTe-PbSeTe lattice-matched double heterostructure laser diodes 4−59504
Horikoshi, Y. *see* Ohmori, Y. 4−31373
Horikoshi, Y. *see* Okamoto, H. 4−41884, 4−42655, 4−46848
Horikoshi, Y. *see* Suzuki, Y. 4−29475, 4−37364
Horikoshi, Y. *see* Tarucha, S. 4−59512
Horing, H.-C. Loci of root-mean square error and error circle radius for 95% probability in triangulation procedures 4−48525
Horio, K., Adachi, Y., Ikoma, T. Equivalent circuit studies on the coloration process in WO_3 electrochromic cells. I. AC impedance 4−47296
Horioka, K., Takahashi, T., Kasuya, K., Mizui, J., Tazima, T. Generation of pulsed ion beams from various dielectric materials cooled with cryogenic anode 4−55798
Horisberger, M. *see* Tiefenthaler, K. 4−37097
Horiuchi, K., Ushio, T., Hirai, K. On the period-doubling bifurcations in the generalized Euler's finite difference scheme 4−41023
Horiuchi, K. *see* Yamamura, K. 4−57975
Horiuchi, M., Yamaguchi, K., Kaga, T. FCAT-II: a 50 ns/15 V alterable nonvolatile memory device. II. Analysis 4−46455
Horiuchi, N. *see* Ishikawa, R. 4−40516
Hormann, T. *see* Immendorfer, M. 4−60564
Horn, B.A., Luk, K.C., Thomasson, D.M., Finney, C.E. Short exposure time characteristics of X-ray generators 4−49153
Horn, C. *see* Purser, M. 4−38315
Horn, D.C. Btx in the marketing mix 4−54272
Horn, D.W. Cellular 'on-glass' antenna technology 4−59878
Horn, R.E., Jacobs, H., Freibergs, E. Integrated tunable cavity Gunn oscillator for 60-GHz operation in image line waveguide 4−36042
Horn, W., Trapple, R., Ulrich, D., Chroust, G. A frame-based real-time graphic interaction system 4−56149
Horna, O.A. Echo control in teleconferencing 4−32993
Hornak, T. *see* Kwong, E.C. 4−58159
Hornbeck, L.J. *see* Pape, D.R. 4−42438
Hornbeek, M.W.A. *see* Lee, C.H. 4−32212
Horne, D., Udpa, S., Lord, W. Superposition of eddy current probe signals 4−46276
Horne, D.E. *see* Hoyt, R.F. 4−33440
Horne, W.E. *see* Geis, J.W. 4−34935
Horne, W.F. *see* Ewell, G.W. 4−54883
Hornek, E. DC/DC convertor 4−34739
Horner *see* Ertmer 4−56424
Horner, J., Fielding, H., Ingwall, R., Ludman, J. HOE demultiplexer for IR wavelengths 4−59614
Horner, J.L., Gianino, P.D. Phase-only matched filtering 4−32008
Horner, R. *see* Levi, P. 4−32059
Horng, C.T. *see* Hoyt, R.F. 4−33440
Horninger, K. *see* Pomper, M. 4−51285
Horno, M., Marques, R. Coupled microstrips on double anisotropic layers 4−42906
Hornsby, J.M. *see* Meiners, E.P. 4−61910
Hornstra, F. *see* Miller, J.F. 4−40414
Hornung, R. *see* Wolfenstetter, K.-D. 4−42967
Hornung, S., Cassidy, S.A., Reeve, M.H. Measured levels of H_2 gas in an inland optical fibre cable 4−52687
Hornung, S. *see* Cassidy, S.A. 4−52680
Hornung, S. *see* Stannard-Powell, S.J. 4−54843
Horodyski, T. *see* Leja, E. 4−46244
Horovitz, B.N. *see* Hayet, L. 4−57527
Horowitz, I. *see* Ioinovici, A. 4−46544
Horowitz, L., Band, Y.B, Kafri, O., Heller, D.F. Thermal lensing analysis of alexandrite laser rods by moire deflectometry 4−47497
Horowitz, S.G. A technical overview of Net 1000 service 4−32446
Horowitz, S.H. *see* Dopazo, J.F. 4−49547
Horowitz, Y.S. *see* Moscovitch, M. 4−33890
Horrabin, C.W. *see* Beech, J.C. 4−33598
Horrigan, F.A. *see* Stoner, W.W. 4−43420
Horrigan , J.A. *see* Armington, A.F. 4−29470
Horsfield, A. *see* Downs, M.J. 4−51970
Horsky, J. 30 years of metrological research in the TESLA, Brno enterprise 4−48994
Horsley, M.E. Electrode steam and hot water boilers 4−50226
Horst, R.B. *see* Jayadev, J.S. 4−40501
Horst, R.S. *see* Collini, G.J. 4−58846
Horstman, R.E., Van der Broek, E.J., Wolter, J., van der Heijden, R.W., Rikken, G.L.J.A., Sigg, H., Frijlink, P.M., Maluenda, J., Hallais, J. Cyclotron resonance from the far-infrared transmission and the photoconductivity of a two-dimensional electron gas in a GaAs/AlGaAs heterojunction 4−41879
Horstmann, R.E., Humenik, J.N., Pratt, J.D. Improved method of mounting chip capacitors 4−46707
Horstmann, R.E., Pratt, J.D. Improved version of a TAB capacitor 4−30133
Horstmann, R.E., Pratt, J.D. Method of increasing capacitance of tab capacitors 4−41617
Horstmann, R.E., Pratt, J.D. Process improvement for low inductance chip capacitor 4−46641
Horton, J.A. *see* Sashin, D. 4−44741
Horton, J.B. Communications trends for the 1980s 4−38432
Horton, J.S., Grigsby, L.L. Voltage optimization using combined linear programming and gradient techniques 4−56555
Horton, W.H., Smythe, R.C. A new frequency for piezoelectric resonator measurement 4−30900
Horton, W.H. *see* Smythe, R.C. 4−33141
Horvath, A., Varga, S. Laying and installation of power cables 4−62218
Horvath, I.L. Small capacity digital private automatic branch exchanges developed in Hungary 4−60592
Horvath, J.L., Lipschutz, L.D. Module seal structure with controlled tolerance 4−40870
Horvath, P., Benedek, M., Jedlovszky, P. Achievements in the development of iron clad traction batteries 4−57318
Horvath, P., Kulcsar, S. Investigation of potential distribution in the electrodes of power sources 4−57301
Horvath, T., Chudik, R. Protection of the 'Cierny Vah' pumped storage plant's information and management system against stoppage 4−49811
Horvilleur, J. *see* Doumenc, A. 4−34715
Horwedel, M.S., Rao, S.S. The complete characterization of a multiple sinusoid signal 4−60122
Horwitz, C.M. Variable-angle dry etching with a hollow cathode 4−41982
Horzepa, J.J. *see* Osifchin, N. 4−56525
Hosain, S.I. *see* Mishra, P.K. 4−47271
Hosaka, R., Ikeda, K., Saito, M., Nishino, O. Trial production of critical-fusion frequency (CFF) equipment by using high-speed liquid crystal 4−56099
Hosaka, T. *see* Okamoto, K. 4−37133
Hosaka, T. *see* Sasaki, Y. 4−37135, 4−52597
Hoschek, W. Compact radio measuring instrument. [Test report: Motorola R-2200] 4−61424
Hoschette, J.A. *see* Joseph, J.D. 4−60276
Hosea, T.J.C. *see* Crane, K.C.A. 4−37510
Hosemann, G. Safety and right within the range of electrical engineering−an introduction 4−40786
Hosenfeld, G. *see* Bly, D. 4−48015

Hosfield, R.L. Thermal considerations of dry type and water cooled transformers 4—57141
Hoshi, A. *see* Inoue, A. 4—48869
Hoshi, H. *see* Watanabe, H. 4—58446
Hoshi, K., Isawa, N., Suzuki, T. Growth of silicon monocrystals in a magnetic field 4—46207
Hoshi, N. *see* Okazaki, N. 4—58335
Hoshi, T. *see* Nakagawa, M. 4—58081
Hoshi, T. *see* Nukiyama, T. 4—51306
Hoshi, Y. *see* Matsuoka, M. 4—29537, 4—41095
Hoshida, K. *see* Morisawa, T. 4—38195
Hoshikawa, K. *see* Osaka, J. 4—35454, 4—50738
Hoshikawa, M. *see* Nakahara, T. 4—59195
Hoshiko, Y. *see* Nogami, S. 4—57903
Hoshiko, Y. *see* Ogue, J.C. 4—35971
Hoshimiya, N. Properties of biomaterials and biomedical sensors 4—49121
Hoshina, H. *see* Umezu, T. 4—61542
Hoshino, A. *see* Hara, H. 4—31293
Hoshino, K. *see* Kawata, O. 4—42382, 4—42397
Hoshino, K *see* Ushida, N. 4—56030
Hoshino, K. *see* Yabuta, T. 4—38632
Hoshino, T., Endo, M., Karatsu, O. An automatic logic synthesizer for integrated VLSI design system 4—51185
Hoshino, T. *see* Takeuchi, S. 4—35690
Hoshino, Y., Haibara, H., Muramatsu, H., Kaida, H., Sakamoto, M. An automatic high-speed vertical cold circular saw for steel pipe 4—62854
Hoshino, Y. *see* Tateishi, K 4—47327
Hoskins, M.J., Hunsinger, B.J. Buried channel acoustic charge transport devices in GaAs 4—30936
Hosler, E.R., Ghandeharioun, S. Vapor pressure data for potassium carbonate-potassium bicarbonate solutions for application to multiuse power cycles 4—34402
Hosny, E.A., El-Rouby, N. Computer-aided analysis of networks containing commensurate delay lines 4—41159
Hosoda, H. *see* Hasegawa, T. 4—40525
Hosoe, M., Takami, Y., Shiraishi, F., Tomura, K. Stopping power measurement using thick alpha sources 4—56024
Hosoe, M. *see* Takami, Y. 4—33710
Hosoe, Y., Andoh, K., Ohta, N., Sugita, Y. Bi-Sc doped bubble garnets supporting 0.35-μm diameter bubbles 4—30970
Hosokawa, K. *see* Matsunaga, M. 4—34831
Hosokawa, K. *see* Tsuru, Y. 4—29506
Hosokawa, S. *see* Masuda, S. 4—53177, 4—53178
Hosokawa, S. *see* Tominaga, S. 4—43643
Hosokawa, Y. *see* Kitamura, H. 4—40325
Hosokawa, Y. *see* Sugaware, Y. 4—36812
Hosono, E. *see* Shinmi, T. 4—59016
Hosono, T. Transmission characteristics of image fiber 4—59214
Hosono, T., Yamaguchi, S., Mori, K. Image transmission characteristics of multimode fiber 4—47285
Hosono, T. *see* Hinata, T. 4—42830
Hosono, T. *see* Yoshikawa, H. 4—31150
Hososaka, S. *see* Mizuno, A. 4—58432
Hosoya, A. *see* Tamahashi, K. 4—41083
Hosoya, T., Ohfuji, S., Shibata, T. Molybdenum taper dry etching 4—46979
Hosoya, T. *see* Morimoto, T. 4—42176
Hospon, P., Jr. *see* Outlaw, R.A. 4—29483
Hostertag, R. *see* Kubesch, R. 4—35790
Hostetter, G.H. Spectral estimation using level-crossing data 4—60128
Hostick, C.J. *see* Chockie, A.D. 4—62311
Hosticka, B.J., Brockherde, W., Kleine, U., Schweer, R. Design of nonlinear analog switched-capacitor circuits using building blocks 4—46561
Hosticka, B.J., Brockherde, W., Kleine, U., Zimmer, G. Switched-capacitor FSK modulator and demodulator in CMOS technology 4—51050
Hosticka, B.J. *see* Kleine, U. 4—53454
Hotai, K. *see* Ochiai, Y. 4—42223
Hotaka, N. *see* Sekino, Y. 4—50972
Hotchkiss, J.C. Datacom: the fiberoptic alternative 4—44069
Hotchkiss, L.C. *see* Gartside, C.H., III 4—52654
Hotop, H. *see* Weissmann, G. 4—31460
Hotta, H. *see* Momma, H. 4—56315
Hotta, S., Shimizu, H. New 4-bit single chip microcomputer HMCS404 4—58371
Hotta, T. *see* Sakaki, H. 4—51844, 4—52092
Hotta, T. *see* Takahashi, Y. 4—56311
Hotta, T. *see* Yoshino, J. 4—51846
Hotz, D.F. Bulk acoustooptic signal processor for continuous Fourier transforms 4—42433
Hotzl, H., Winkler, R. Experiences with large-area Frisch grid chambers in low-level alpha spectrometry 4—56010
Hou, C.-H. A new method for the passive locating of unknown source by using a vertical dipole receiver 4—60060
Hou, D. *see* Lee, C.P. 4—29987
Hou, D.L. *see* Lee, S.J. 4—35806
Hou, J.C. CAM cell for use in hybrid memory scheme 4—29869
Hou, L.D. *see* Asbeck, P.M. 4—42147, 4—51386
Hou, L.D. *see* Chang, M.F. 4—36262
Hou, L.D. *see* Lee, S.J. 4—29881
Hou, Z.-Q. *see* Zhao, Z. 4—53777
Hou Bo-yuan, Zhang Rong-xiang The method of fast P-Q decoupled load flow calculation retaining nonlinearity 4—49577
Hou Qiguo *see* Han Shaoping 4—59413
Houchens, E.L. *see* Creacy, C.A. 4—49687
Houdion, P. *see* Morel, M. 4—55222
Hougaard, L. *see* Oxenboll, J. 4—61237
Hougen, T. Keep your oscillator simple 4—46369
Houghton, A.J.N., Rodgers, P.M., Andrews, D.A. High-performance GaAs-GaAlAs phase modulators for PSK optical fibre systems 4—42407
Houghton, D.C. *see* Noel, J.-P. 4—46971
Houghton, J.T. Remote sensing—the space application of the future 4—44819
Houk, T.L., Mun, S.K. Performance evaluation and quality assurance of digital fluoroscopy imaging systems 4—49149
Houldsworth, J. *see* Grant, D. 4—57427
Houle, F. *see* Hitchner, J. 4—31542
Houlihan, J.F., Pannaparayil, R., Pollock, R.J., Bain, A. Substitutional and defect doping effects on the photoelectrochemical properties of transition metal oxide electrodes 4—34823
Houlihan, J.F. *see* Pollock, R.J. 4—34824
Houming Yin *see* Yin Houming
Hounsom, T., Hay, M. Testing multiprocessor boards using bus timing emulation 4—50494
Hountondji, M. *see* Dubon, C. 4—36814
Hourani, E. *see* Shapira, J.-P. 4—61727
House, C.H. Enterpreneurial spirit in a large corporation: self-directed learning and career development 4—50428
House, D.L. *see* Childs, R.E., Jr. 4—35863
House, F.B. *see* Jacobowitz, H 4—56291
House, H., Lynch, A.C. The current leakage ratio detector 4—33402
House, J.R., Jackson, B.C., Nagy, M. A better understanding of the through-hole plating of printed circuit boards. II. Multilayer boards 4—41711
House, J.R. *see* Biernat, P.J. 4—46717
House, L.W. Reliability impacts of wind-generated electricity on California utilities 4—34060
House, W.V. NMR microscopy 4—39542
Housen, R.L.Van *see* Van Housen, R.L.
Houston, R. *see* Long, R. 4—49781
Houterman, M.J. *see* Nowland, W.L. 4—48444
Houze, R.C. The Thomson FMA 4512 radio cassette player 4—55120
Houzego, P.J. *see* Kern, D.P. 4—30706
Hovak, R., Valek, V. On some problems of CO_2 lasers and their applications 4—31544
Hovanesian, J.D. *see* Li Wang 4—42729
Hovanessian, S.A., Naviaux, J.C. Tactical uses of imaging radars 4—48509
Hove, J.M.Van *see* Van Hove, J.M.
Hove, L.Van den *see* Van den Hove, L.
Hove, P.Van *see* Van Hove, P.
Hovem, J.M., Holt, R.M., Kristensen, K.E. Shear modulus measurement of bottom sediments using boundary waves 4—61978
Hovland, C. *see* Chiu, T.Y. 4—36457
How, J.A., Leuterer, F., Tutter, M. A flexible waveguide for millimeter waves 4—58491
Howard, A. Can engineers succeed in general management? 4—50421
Howard, D.W. *see* Saul, P.H. 4—59037
Howard, E. AOR AR-2001 communications receiver 25-550 MHz 4—38485
Howard, E. Remote access testing reaches small remote offices 4—44414
Howard, G.C.W. *see* Sathiaseelan, V. 4—39582
Howard, J.K. *see* Herdzik, R.J. 4—36093
Howard, M.D. *see* Smythe, R.C. 4—30908
Howard, N. United Satellite's remarkable coup 4—32894
Howard, N. A long shot surges ahead [American Satellite Co.] 4—44022
Howard, N.A. GHz thick film hybrid SAW oscillators 4—59117
Howard, R.E. *see* Hu, E.L. 4—36471
Howard, R.E. *see* Skocpol, W.J. 4—51899
Howard, R.T. *see* Handwerker, C.A. 4—59102
Howard, T. *see* Pratt, T. 4—31658
Howard, W.J., Jr. Practical application of new technologies and products 4—35268
Howarth, D.S. Automotive sensors of the future 4—57499
Howe, A.F., McConnell, D. Teaching electronics at a distance by CYCLOPS: an assessment of the telewriting system 4—50362
Howe, R. *see* Gecim, H.S. 4—47077
Howe, R.R., Beckman, W.A., Mitchell, J.W. Factors influencing the performance of commercial hybrid desiccant air conditioning systems 4—40629
Howe, R.T., Muller, R.S. Polycrystalline and amorphous silicon micromechanical beams: annealing and mechanical properties 4—33237
Howe, S.H., Mottram, D. A new method for predicting the initial performance of miniature incandescent lamps 4—57511
Howell, B.P. *see* Van Vonno, N.W. 4—59349
Howell, S. Modular synthesis. Woodwind sounds 4—48639
Howell, S. Modular synthesis: vocal effects 4—53461
Howell, S. Nine times out of ten: a user report on the Yamaha DX9 [electronic music synthesizer] 4—55091
Howell, S. Modular synthesis. Using sequencers with modular systems 4—61126
Howell, W.E., Uberall, H. Complex frequency poles of radar scattering from coated conducting spheres 4—54850
Howells, E. The detection of partial discharges in online equipment 4—36926
Howells, E. Parameters affecting the velocity of sound in transformer oil 4—45490
Howells, M.R. *see* Chen, C.T. 4—56046
Hower, N. *see* Bachrach, R.Z. 4—56044
Hower, P.L., Heng, T.M.S., Huang, C. Optimum design of power MOSFETs 4—36620
Howerton, P.H., Batchman, T.E. An electric-field measurement probe of submillimeter dimensions 4—61355
Howes, J.H., Deighton, M.O., Smith, A.J. A low noise preamplifier using a tetrode FET in a novel feedback arrangement 4—35651
Howie, M.B. *see* Dzwonczyk, R. 4—61794
Howie, P.A., Gallantree, H.R. Transducer applications of PVDF 4—52366
Howitt, E.L., Richardson, B. Assessment of laminated insulation materials for use in high voltage power transformers 4—62602
Howkins, J. Satellite regulation 4—44053
Howle, D. *see* Chalmers, D.R. 4—44883
Howles, L.R. Nuclear station achievement 1983 4—45229
Howlett, J. High power lead/acid batteries 4—34841
Howley, P. The basics [of bypass] 4—54007
Howley, P.A. Is bypass a threat or an opportunity. I 4—60404
Howlid, J. The teletex service has started in Norway 4—48036
Howse, D. *see* Vetter, W.J. 4—61949
Howson, R.P., Bishop, C.A., Ridge, M.I. Optical film combinations for solar and thermal energy use 4—45662
Hoy, C. Time response functions of modal channels of a two circuit transmission line 4—62210
Hoy, C. *see* Gamaleja, T. 4—50966
Hoy, H.C. Potentially damaging failure modes of high- and medium-voltage electrical equipment 4—45215
Hoy, H.R., McKendrick, D. Power generation via combined cycle power plant burning coal in pressurised fluidised bed combustion systems (FBC) 4—34434
Hoy, R.J. *see* Sashin, D. 4—44741
Hoyano, A. *see* Takahashi, T. 4—53472
Hoyaux, G. *see* Ehringer, H. *(editor)* 4—40712
Hoyer, E. *see* Neureuther, A.R. 4—52157
Hoyer, E.A. *see* Avery, J.M. 4—47813
Hoyer, P., Matz, D. Mass produced transformers for hot climates 4—45480
Hoyer, V.P., Kulls, R., Matz, D. Mobile transformer stations for extending Syria's energy supply system 4—40283
Hoyle, J.S. *see* Khoury, E.N. 4—54853
Hoyt, R.F., Heim, D.E., Best, J.S., Horng, C.T., Horne, D.E. Direct measurement of recording head fields using a high-resolution inductive loop 4—33440
Hozack, R.S. *see* McAffe, K.B., Jr. 4—50825
Hrabovsky, M. *see* Senk, J. 4—50009
Hradaynath, R. *see* Datta, P.K. 4—48737
Hrebin, G., Jr. *see* Forneris, J.L. 4—36818
Hribek, P., Kubecek, A., Vrbova, M. Mode locking in a neodymium glass laser with a plasma mirror 4—59489
Hribernik, B. Influence of cutting strains and magnetic anisotropy of electrical steel on the air gap flux distribution of an induction motor 4—45468
Hribsek, M., Tosic, D. An improved algorithm for analysis of uniform SAW devices 4—36989
Hrisoho, A. *see* Brand, C. 4—33639
Hristanov, H.A., Grozev, G.G. Digital analogue reproduction unit of complex electrocardiographic QRS signals 4—49197
Hristovam, Z.V. *see* Adursky, I.S. 4—48700
Hritcu, A. *see* Lucanu, M. 4—34810
Hrivnakova, D. Examination of the domain structure of permanent magnets of the RM_5 type 4—59132
Hrobar, M., Grendel, M., Thurzo, I. Current DLTS spectra of MIS structures due to dielectric polarization of the insulator 4—36351
Hromada, S., Belovic, V. Possibilities of using the primary hydroelectric potential of Czechoslovak rivers by means of small hydroelectric plants 4—49795
Hromadko, G.F., Werner, J. User perceptions of CAD/CAE systems 4—41154
Hrovat, M., Kolar, D. Investigation in the Al_2O_3-Bi_2O_3-CuO system 4—50837
Hrubesh, L.W. *see* Bookless, W.A. 4—47410
Hrubesh, L.W. *see* Rinehart, E.A. 4—39745
Hrvatin, S.E., Mark, J.W. Predictive entropy coding for speech analysis 4—53466
Hsia, L.C., Su, L.S. Bar code for measuring targets 4—38991
Hsia, L.-C., Su, L.-S. Direct mask overlay inspection 4—36681

Hsia, S. *see* Chang, P.C. 4−42003
Hsian-yi Wu *see* Wu Hsian-yi
Hsiao, C.-C., Brodersen, R.W. A multirate root LPC speech synthesizer 4−53493
Hsiao, J.K. Normalized relationship among errors and sidelobe levels 4−47668
Hsiao, J.K. Performance of a range-ambiguous MTI and Doppler filter system 4−54860
Hsiao, M.T. *see* Vakil, F. 4−32434
Hsiao, Y.H., Michaels, R., Meyer, A.U., Louis, H., Michaelson, L., Stephens, G.M., Chavis, P., Cinotti, A.A. A system for offline analysis and storage of the electroretinogram and visual evoked response 4−49211
Hsiao, Y.R. *see* Mickelsen, R.A. 4−45628
Hsiao Tso *see* Zhang Shuli 4−44908
Hsiao-wei Tang *see* Tian-bao Chang 4−61668
Hsieh, B.C. *see* Lin, M.S. 4−36422
Hsieh, C.J. *see* van der Ziel, A. 4−58683
Hsieh, C.K., Wang, X.A., Yang, S.L. Infrared scanning thermography for a quantitative detection of cavities in a plane slab and a rectangular prism 4−58071
Hsieh, C.M. *see* Chang, C.S. 4−36534
Hsieh, H.C., Luk, T.W. Two-dimensional transient analysis of a buried-channel charge-coupled device 4−36847
Hsieh, H.Y. *see* Lin, P.M. 4−35587
Hsieh, J. *see* Arazi, B. 4−59947
Hsieh, K.H., Capani, P.M., Ohno, H., Wicks, G., Calawa, A.R., Eastman, L.F. High mobility modulation-doped $Ga_{0.47}In_{0.53}As/Al_{0.48}In_{0.52}As$ heterostructures for MESFETs 4−58937
Hsieh, P.I., Lu, M.-W. A Bayesian analysis on common cause failure 4−29308
Hsieh, S.T. *see* Duvoisin, P.F. 4−37832, 4−60412
Hsieh, W.N., Gitman, I. Routing strategies in computer networks 4−54344
Hsieh, W.-N., Gitman, I. How good is your network routing protocol? 4−43481
Hsieh Wen-Ning *see* Wen-Ning Hsieh
Hsien-yu Su *see* Su Hsien-yu
Hsing, T.R. Techniques of adaptive threshold setting for document scanning applications 4−48754
Hsing, T.R. A new digital voice summing technique for teleconferencing 4−53532
Hsing, T.R., Stoffel, J.C. A robust two-dimensional adaptive thresholder for bilevel digital display and electronic printing 4−53822
Hsing, T.R. *see* Sosnowski, T.P. 4−54134
H.Stocker *see* Stocker H.
Hsu, C.P. *see* Chen, N.P. 4−36758
Hsu, C.-P. Minimum-via two-layer two-dimensional routing 4−36771
Hsu, F., Chiu, K. Temperature dependence of hot-electron induced degradation in MOSFETs 4−42059
Hsu, F., Grinolds, H.R. Structure-dependent MOSFET degradation due to hot-electron injection 4−36640
Hsu, F.-C., Chiu, K.-Y. Evaluation of LDD MOSFETs based on hot-electron induced degradation 4−42061
Hsu, F.-C., Grinolds, H.R. Structure-enhanced MOSFET degradation due to hot-electron injection 4−30638
Hsu, F.-C. *see* Pimbley, J.M. 4−52117
Hsu, G., Hogle, R., Rohatgi, N., Morrison, A. Fines in fluidized bed silane pyrolysis 4−41088
Hsu, H.H., Dowdy, E.J., Estes, G.P., Lucas, M.C., Mack, J.M., Moss, C.E., Hamm, M.E. Efficiency of a bismuth-germanate scintillator: comparison of Monte Carlo calculations with measurements 4−39446
Hsu, H.J., Sun, C.Y., Hwang, H.L. Growth of $CuInS_2$ single crystals by THM 4−35455
Hsu, J.-P., Anada, T. Analysis of strip-line circuit by planar circuit approach−application of higher-mode impedance concept 4−41169
Hsu, L., Oppenheim, J.E. Comparative analysis of energy storage systems for space stations 4−39659
Hsu, L. *see* Biss, M.S. 4−40465
Hsu, L. *see* Rego, J.I. 4−35938
Hsu, S. *see* Chiu, P.H. 4−52930
Hsu, S.T. A novel memory device for VLSI E^2PROM 4−35808
Hsu, T.-H. *see* Wilson, D. 4−29826
Hsu, W.Y., Anderson, M.D., Richards, E.F., Morris, J.F. Fault analysis computer program development for industrial/commercial electrical distribution systems 4−62179
Hsu, Y. New sidewall-spacer technology to achieve LDD MOSFET structure 4−42162
Hsu, Y.-N., Arsenault, H.H. Pattern discrimination by multiple circular harmonic components 4−32011
Hsu Tao-lin The new 200 keV ion implanter 4−55797
Hsue, C.W., Tamir, T. Evolution of transverse-electric surface and leaky waves guided by an asymmetric layer configuration 4−59730
Hsueh, C.Y., Wang, T.J., Lysiak, R.J. Investigation of wavefront reconstruction by a two-lens system 4−37450
Hsueh, F.L., Faraone, L. Two-carrier conduction in MOS tunnel oxides. I. Experimental results 4−47057
Hsueh, F.L. *see* Faraone, L. 4−30656
Hsueh, W. *see* Nagaswami, V. 4−36672
Htsui, J.S.C. Impedance and loss distribution of multiple deck shaped conductor with idle bars and idle loop in a variable width slot 4−56928
Hu, C. Hot-electron effects in MOSFETs 4−36859
Hu, C. *see* Chang, C. 4−30457, 4−36861
Hu, C. *see* Holland, S. 4−59063
Hu, C. *see* Jenq, C.S. 4−35820
Hu, C. *see* Liang, M.-S. 4−36626
Hu, C. *see* Tam, S. 4−58925
Hu, C.C., Hwang, B.T. Railless bipolar process 4−36805
Hu, C.C. *see* Chu, S.F. 4−42146
Hu, C.C. *see* Chu, S.S.F. 4−41929
Hu, E.L., Howard, R.E. Reactive ion etching of GaAs in a chlorine plasma 4−36471
Hu, E.L. *see* Ong, E. 4−52225
Hu, E.L. *see* Orlowsky, K.J. 4−36881
Hu, G. *see* Huey, H. 4−36191
Hu, G.J., Bruce, R.H. A CMOS structure with high latchup holding voltage 4−47132
Hu, G.J., Taur, Y., Dennard, R.H., Terman, L.M., Ting, C.Y. A self-aligned 1 μm CMOS technology for VLSI 4−36884
Hu, J.S., Flesher, G., Ansari, H., Wade, G. Optical processing of coherent Doppler tomograms 4−43414
Hu, J.S., Zhang, G.D. Computer-generated holograms for simulating experiment of coherent Doppler tomography 4−59632
Hu, M., Smith, K.C. Self-checking binary logic systems using ternary logic circuits 4−58229
Hu, M.-Z., McPherson, G., Jr. Experimental investigation of the field and stray losses of the end bells of an induction motor 4−57013
Hu, N.C. Multi-dimensional FFT computation 4−50732
Hu, Q.L., Beck, A.H.W. The influence of a dielectric window near the open end of a circular waveguide on the reflection and transmission coefficients 4−31730
Hu, R.-C.J. *see* Elias, L. 4−47489
Hu, Y.H. A concurrent subspace approximation algorithm for high resolution spectrum estimates 4−38009
Hu, Y.H. Resolution enhanced spectrum estimation via Toeplitz eigensystem solvers 4−43389
Hu, Y.H., Ling, Y.-C. Constrained lattice structures for harmonic retrieval 4−53700
Hu, Z., Chang, Y. Novel nanosecond pulse generators 4−35693
Hu, Z., Yang, Y.-W. Speech interpolation with collective delta-modulation 4−37897
Hu Baijun *see* Tang Shing 4−31448
Hu Chen *see* Chen Hu
Hu Cuixian *see* Wei Yinan 4−47894
Hu Datong The interactive graphic display in placement routing and maskmaking 4−30684
Hu Guangrui, Duan Huachen Digital filtering of the data of sea-level survey 4−47818
Hu Han-nan Transient effect of end-fed array antennas and its influence on angular resolution 4−42964
Hu Hefang *see* Gan Fuxi 4−31367
Hu Jun-wen *see* Chen Kai-zhou 4−41225
Hu Shaoyi *see* Wang Zheen 4−37323
Hu Shiheng, Yang Boling, Ma Yueren, Wang Yang, Zhang Cunhao Experimental demonstration of a potential high-energy HCl chemical-laser system 4−37319
Hu Weisheng, Wang Bohua, Chen Chunguang, Jiao Zhengkuan, Zhang Qirui Studies on measuring superconducting transition temperature T_c with four-service-wire alternating-current resistance method and its mechanism 4−44631
Hu Wenjun *see* Yu Zhenzhong 4−61388
Hu Xingyuan *see* Jiang Zhonghong 4−59673
Hu Xuejin *see* Ma Shusen 4−59411
Hu Yiguan *see* Zhuang Wanru 4−59523
Hu Yu *see* Ye Yutang 4−61387
Hu Zengpeng *see* Chon Zhiying 4−44213
Hu Zheng-ming An N/4 circular shift-invariant power spectrum on sequency 4−47736
Hua, Q.H. *see* Yang, E.S. 4−46992
Hua Bai *see* Bai Hua
Hua Zhong Xiang *see* Yamamura, S. 4−57007
Hua-shi Zhou *see* Zhou Hua-shi
Hua-xiao Ma *see* Ma Hua-xiao
Huachen Duan *see* Duan Huachen
Huadong Huo *see* Huo Huadong
Huai Yiming, Sheng Linghui, Lioa Chengxin Choice of semiconductor sensors detecting diverse liquified gas levels 4−44649
Huai-Xian Lu *see* Lu Huai-Xian
Huaigu Gui *see* Gui Huaigu
Hualin Qian *see* Qian Hualin
Huan, Z. *see* Fang, P.H. 4−34891
Huan-Nian, Y. Compensating earthing currents in stators 4−45396
Huanan Zhu *see* Zhu Huanan
Huanchu Chen *see* Chen Huanchu
Huang, A. Architectural considerations involved in the design of an optical digital computer 4−60192
Huang, C., Choe, H., Rabe, R., Golke, K. Latch-up analysis in CMOS static 4K RAMs using laser scanning 4−58346
Huang, C. *see* Hower, P.L. 4−36620
Huang, C. *see* Moghe, S. 4−30105
Huang, C. *see* Zhao, S.N. 4−35458
Huang, C.-C. Optical heterodyne profilometer 4−61593
Huang, C.D. *see* Speilberger, R.K. 4−58649
Huang, C.-Y. *see* Guha, S. 4−42459, 4−52761
Huang, E., Barnes, J.P. GTO optimisation 4−47020
Huang, E.-F. *see* Pei, S.-C. 4−53688
Huang, F. Simplified Green's function for SAW generation which allows for the LSW 4−52333
Huang, F.S., Wang, Y.Y. Alternate method to fabricate doped hydrogenated amorphous silicon film 4−46243
Huang, G. A robotic alignment and inspection system for semiconductor processing 4−51669
Huang, G. *see* Zaborsky, J. 4−45072
Huang, H.K. *see* Mankovich, N.J. 4−53876
Huang, H.K. *see* Wong, C.K. 4−53839
Huang, J. *see* Mills, D.M. 4−56064
Huang, J.C. *see* Berger, T. 4−47715
Huang, J.-C., Xu, B.-Z. 0.487 algorithm with short delay property 4−37807
Huang, J.C.Y. *see* Wallace, R.L. 4−38458
Huang, J.F., Shiva, S.G.S., Seguin, G. On certain projective geometry codes 4−43106
Huang, J.W., de Sousa, P.T. Optimal corporate network design using dedicated and virtual facilities 4−32577
Huang, M.-D.A., Steiglitz, K. A hierarchical compaction algorithm with low page-fault complexity 4−47111
Huang, M.P., Spehn, R.W., Yuen, R.C. Speed/power-programmable arrays slash system power consumption 4−41293
Huang, M.P. *see* Yuen, R.C. 4−58284
Huang, N.E., Parsons, C.L., Long, S.R., Bliven, L.F., Quanan Zheng A new type of overshoot phenomenon in wind wave development and its implication in remote sensing of the ocean 4−49476
Huang, N.E. *see* Parsons, C.L. 4−56321
Huang, N.K., Welch, L.R., Scholtz, R.A. An image segmentation algorithm with learning ability 4−38091
Huang, P.V. A Q-GERT network simulation model for a voice-data communication system 4−38173
Huang, Q.L. *see* Taniguchi, H. 4−40124
Huang, R.-M., Yeh, F.-S., Huang, R.-S. Double-diffusion differential-amplification magnetic sensor 4−55406
Huang, R.-S. *see* Huang, R.-M. 4−55406
Huang, S.-Y., Esener, S., Lee, S.H. Silicon phototransistors for hybrid integrated optical circuits 4−59353
Huang, S.-Y. *see* Esener, S. 4−59352
Huang, T.S. Efficient coding of graphics 4−38089
Huang, T.S. Efficient coding of continuous-tone images 4−38090
Huang, T.S. Image sequence processing: relationships between temporal and spatial dimensions 4−43427
Huang, T.S., Burnett, J. Image mensuration techniques 4−38088
Huang, T.S. *see* Sanz, J.L.C. 4−47832, 4−60097
Huang, T.S. *see* Tasi, R.Y. 4−43441
Huang, T.S. *see* Yen, B.L. 4−53936
Huang, W. *see* Madan, P. 4−58356
Huang, Y. *see* Gaur, S.P. 4−36553
Huang, Y.F. Designing optimal detectors using statistical moments of noise 4−47878
Huang, Y.F. *see* Liu, R. 4−33147
Huang, Y.-N. Some results of ionospheric scintillation observations at Lunping 4−53215
Huang Da-ren *see* Wang Jian-zhon 4−57956
Huang Dong-quan Tearing method for fault diagnosis in analog circuits 4−58124
Huang Ge *see* Ge Huang
Huang Guobiao, Dong Shalei, Guan Yiling, Wen Zhongyi Research of stability of Nd:YAG AM mode-locked laser 4−31451
Huang Guosong *see* Gan Fuxi 4−53058
Huang Guosong *see* Jin Deyun 4−47478
Huang Hesheng *see* Hesheng Huang
Huang Huizhi, Yan Shijian, Han Shu Experimental investigation of the current carrying superconductors in the DC superimposed with oscillation field 4−42316
Huang Hungchia, Nie Chaojiang, Zhang Yilong, Zhou Youwei, Soo Chengchang, Zhu Junhao, Huang Junhua A preliminary report on single-mode optical fibers 4−37150
Huang Jianming *see* Zou Zhiyi 4−49061
Huang Junhua *see* Huang Hungchia 4−37150
Huang Liu-ying Optimum method of power division for multisubcarrier narrowband phase-modulated system 4−59915
Huang Maoquan, Liu Lang Pre-control protection of high repetition rate YAG laser power supply 4−59570
Huang Muzhen *see* Zhou Yan 4−37342
Huang Muzheng *see* Li Shenhua 4−52935
Huang Ru-ji Dynamic nonlinear generalized diakoptics 4−50873
Huang Ruiping, Sun Yizhu, Sang Fengting, Yuan Qunian, Zhuang Qi Small signal gain measurement of CW HF chemical lasers 4−59406

Huang Shiou-yuan *see* Shiou-yuan Huang
Huang Xi, Zhao Liqing GaAs-$Al_{0.3}Ga_{0.7}As$ DH laser with two sections in a common cavity 4−59524
Huang Xinqun A model of N^+N^-P structure and its application in the analysis of LEC transistors 4−47007
Huang Xuncheng Some results of Backlund transformation for higher order modified KdV equation 4−40906
Huang Yuanfu *see* Meng Xiaofan 4−52490
Huang Yunheng *see* Kong Meiying 4−46217
Huang Zhangyong, Yang Dewei, Zheng Neng Ti-diffused $LiNbO_3$ waveguide interferometric modulator 4−59221
Huang Zhangyong, Zheng Neng, Yang Dewei Optical characteristics of GaP prism couplers 4−31126
Huang Zhengping, Zhang Hanping A study of electromagnetic stress gage 4−61357
Huanggang Song *see* Song Huanggang
Huanjie Wang *see* Wang Huanjie
Huanqing Feng *see* Feng Huanqing
Huant, S. *see* Brummell, M.A. 4−51850
Huarong, Z. *see* Sakaguchi, H. 4−41024
Hub, K.A. *see* Miliaras, E.S. 4−49758
Hubacher, E.M. Multi-chip planar memory package 4−29864
Hubacher, E.M. Symmetrical chip memory package 4−51214
Hubbard, B. BT Merlin: selling comfort by the pound 4−47975
Hubbard, B. A switch in time saves sixteen [SX2000 PABX] 4−60594
Hubbard, F.R., Abbott, E.C., Lin, J.C. Limiting conditions of operation monitor (LIMCOM) 4−62305
Hubbard, R.L., Liang, J.C.H., Koehler-Beran, K.R. Development of dual-frequency addressable liquid crystals 4−48975
Hubbard, W.E. *see* Schiavone, L.M. 4−52539
Hubbold, R.J. Computer graphics and displays 4−44561
Huber, A.M. *see* Kazmierski, K. 4−41955
Huber, B., Grutzmann, S., Eickermann, H.J. CAD/CAM in electrotechnology and electronics 4−40827
Huber, B. *see* Massey, J.L. 4−43200
Huber, E., Hartnagel, H.L. XPS analysis of (100) GaAs surfaces after applying a variety of technology-etchants 4−46818
Huber, G. Tools for logic development. I 4−35714
Huber, G. Tools for logic development. II 4−48798
Huber, G. Tools for logic development. III 4−48799
Huber, G. *see* Drube, J. 4−42600
Huber, H.-P. *see* Hersener, J. 4−42374
Huber, J., Oenol, M. On the performance of a hybrid coding scheme 4−43196
Huber, J. *see* Pettenpaul, E. 4−51540
Huber, J.P. *see* Blattner, J.D. 4−51154
Huber, K., Lind, L.F. Optimal data transmission filters 4−60545
Huber, K. *see* Drexler, J. 4−39419
Huber, M. LAN/1 intelligent wideband data network 4−48225
Huber, R. Low-voltage power capacitors with metallised plastic films 4−51565
Huber, W. *see* Bube, R.H. 4−41835
Huber, W.D., Fisher, R.D. Media limitations on achievement of maximum detection window 4−30994
Huberman, G. *see* Granot, D. 4−57911
Hubert, A. *see* Labrune, M. 4−36997
Huberts, P.K.A.De Witt *see* De Witt Huberts, P.K.A.
Huberts, P.K.A.de Witt *see* de Witt Huberts, P.K.A.
Hubicka, L. Use of induction heating in the polymerisation of thermoplastic adhesives in car body making 4−57621
Hubin, T. *see* David, T. 4−52727
Hubing, N., Dassel, K., Chou, W., Nilsson, A. A simulation tool for evaluating control procedures in packet switching networks 4−32430
Hubler, G.K., Malmberg, P.R., Waddell, C.N., Spitzer, W.G., Fredrickson, J.E. Electrical and structural characterization of implantation doped silicon by infrared reflection 4−41970
Hubler, G.K. *see* Fredrickson, J.E. 4−41827
Hubner, K. *see* Stern, A. 4−58809
Hubner, K.-H., Leibisch, W. An electronic power conditioner for a 12 GHz/260 W TWT for DBS 4−34767
Hubner, R. Power from refuse 4−40086
Hubner, R. Entering the microelectronic age. Opportunities or risks? 4−52182
Hubner, R. Speed control with three-phase motors 4−62535
Huck, F.O., Fales, C.L., Park, S.K. Image-plane processing of visual information 4−60168
Huck, F.O. *see* Fales, C.L. 4−33149
Huck, R.W. *see* Kerr, W.T. 4−54704
Huckett, P., Thow, G. Error performance analysis digital transmission systems 4−38153
Huckstepp, S. Multiple output port 4−29910
Hudcovsky, S. *see* Budlovsky, Z. 4−45250
Huddleston, P.L. *see* Eftimiu, C. 4−47574
Huder, B. Scattering of arbitrary electromagnetic waves on long metallic circular cylinders 4−48497
Hudgens, S.J. *see* Guha, S. 4−42459, 4−52761
Hudrisier, H. Image banks. I. Definitions and technologies 4−32945
Hudson, A. *see* Otis, J.N. 4−39544
Hudson, A. *see* Zeman, H.D. 4−56094
Hudson, B.R. *see* Loze, M.K. 4−42266
Hudson, D.L. A practical solution using a new approach to robot vision 4−54997
Hudson, E.D. *see* Jones, C.M. 4−33558
Hudson, H.E. Telecommunications for rural development: applications and benefits 4−53997
Hudson, H.E. Satellite communications for development: from conjecture to reality 4−54705
Hudson, J.A. *see* Wisniewski, J.A. 4−36774
Hudson, J.E. Fitting sinusoids to sampled data using a hybrid S/Z plane moment method 4−53701
Hudson, J.E. *see* Chen, H.Y. 4−30989
Hudson, L.R. *see* Alessi, R.V. 4−59021
Hudson, N.R. *see* Jervis, B.W. 4−44745
Huebener, R.P. *see* Parisi, J. 4−37061
Huertas, J.L., Rodriguez-Vazquez, A., Perez-Verdu, B. A novel SC oscillator 4−41235
Huertas, J.L., Rodriguez-Vazquez, A., Perez-Verdu, B. High-frequency design of sinusoidal oscillators realised with operational amplifiers 4−51024
Huertas, J.L., Rodriguez-Vazquez, A., Rueda, A. New analogue switch circuit having very low forward resistance 4−41515
Huertas, J.L., Sanchez-Gomez, G. Synthesis of 3-valued unary operators in CMOS integrated technology 4−41306
Huey, H., Lopez, N., Hu, G., Choi, E., Mundie, L. Infrared monitoring of gyrotron windows 4−36191
Huey, H. *see* Felch, K. 4−36198
Huey, H. *see* Jory, H. 4−36188
Huff, E.M. *see* Voorhees, J.W. 4−44850
Huff, H.R. Silicon material phenomena in VLSI circuit processing 4−52163
Huff, L., Loomis, J.S. Three-dimensional imaging with holographic stereograms 4−37480
Huffman, D.R., Rock, J.E. Noise-tolerant sense amplifier 4−35654
Huffman, F. Overview of terrestrial thermionics 4−40492
Huffman, F. *see* Saunders, M. 4−34951
Huffman, F. *see* Wolff, L.R. 4−40496
Huffman, J. Effectiveness of linear-feedback shift registers in testing digital circuits 4−41401
Hufnagel, W. Overall view on the technological status 4−50834
Hufnagel, W. Aluminium−overall view on the technological status 4−58057
Huggins, R.A. *see* Godshall, N.A. 4−45596
Hughes, A.E. *see* Phillips, C.C. 4−52799
Hughes, C.J. Future trends in telecommunications 4−60377
Hughes, D. *see* Lytle, S. 4−58987
Hughes, D.J., Hein, R.E., Heller, B.W. Photovoltaic central power stations: opportunity analysis and technology status 4−40167
Hughes, E. *see* Bolton, R. 4−55816
Hughes, E.B. *see* Otis, J.N. 4−39544
Hughes, E.B. *see* Thompson, A.C. 4−56095
Hughes, E.B. *see* Zeman, H.D. 4−39537, 4−56094
Hughes, E.E. Geothermal rotary separator turbine: wellhead power system tests at Milford, Utah 4−40144
Hughes, G., Ridge, C. New sputtering techniques for semiconductor metallization 4−42015
Hughes, G. *see* Boyer, V.S. 4−49681
Hughes, G.P. *see* Fencil, C.R. 4−36658
Hughes, H.M. Braking system for locomotives and manriding cars 4−57461
Hughes, J.L.A., McCluskey, E.J., Lu, D.J. Design of totally self-checking comparators with an arbitrary number of inputs 4−58257
Hughes, J.R. *see* Slatter, J.A.G. 4−46967
Hughes, J.R.D. Software engineering as a professional discipline 4−35158
Hughes, M., Hampson, N.A., Karunathilaka, S.A.G.R. A review of cells based on lithium negative electrodes (anodes) 4−40372
Hughes, M.B., Leonard, R.W., Martinich, T.G. Measurement of power system subsynchronous driving point impedance and comparison with computer simulations 4−34041
Hughes, P. *see* Atkinson, M. 4−61709
Hughes, P.M. The design of recursive digital filters for FSK demodulation 4−51063
Hughes, P.M.J., Cerny, E. Measurement and analysis of high-frequency pressure oscillations in solid rocket motors 4−61884
Hughes, R.C. Methods for traceable calibration of DC measuring systems up to 1 MV 4−33401
Hughes, R.C. The origin of interfacial charging in irradiated silicon nitride capacitors 4−51891
Hughes, W.C. *see* Rustay, R.C. 4−32623
Hughes Hallett, A.J. Second-order iterations with guaranteed convergence 4−50707
Hughey, L.R. *see* Schaefer, A.R. 4−33606
Huguet, L. Coset coding with regular codes 4−43146
Huguet, L. *see* Ramos, R. 4−53409
Hui, S.K., Lim, Y.C. A new spectrum analysis approach using autocorrelation technique and MEM 4−53699
Hui Jiang *see* Jiang Hui
Hui Kang *see* Kang Hui
Hui Shih Wei *see* Shih Wei Hui
Hui-ling Ni *see* Ni Hui-ling
Huichang Shi *see* Shi Huichang
Huidong Li *see* Li Huidong
Huifang Zhao *see* Zhao Huifang
Huifen Zhou *see* Zhou Huifen
Huignard, J.P. Phase conjugation and applications to real time optical treatment 4−31499
Huignard, J.P. *see* Rak, D. 4−31484
Huignard, J.P. *see* Refregier, P. 4−53057
Huijuan He *see* He Huijuan
Huiling Rong *see* Rong Huiling
Huisman, H.F., Rasenbeg, C.J.F.M. Mercury porosimetry analysis of magnetic coatings 4−30987
Huisman, L.M. *see* Barzilai, Z. 4−36827
Huitema, C. *see* Azouz, L. 4−48441
Huitema, G., Fayolle, P. Model of an application of shared management: the use of Telecom 1 4−38520
Huizhen Pan *see* Pan Huizhen
Huizhi Huang *see* Huang Huizhi
Huizhu Qiu *see* Qiu Huizhu
Hulbert, S.L. *see* Brown, F.C. 4−56041
Huldermann, F. *see* Hartouni, E. 4−58068
Huliang Tian *see* Tian Huliang
Hulin, J.P. *see* de Vecchis, M. 4−32835
Hull, D.G., Speyer, J.L., Greenwell, W.M. Adaptive noise estimation for homing missiles 4−49363
Hull, M.E.C., McKeag, R.M. Communicating sequential processes for centralized and distributed operating system design 4−43729
Hullot, J.-M. A multi-formalism programming environment 4−52233
Hulme, A.J. *see* Sinha, P.K. 4−35016
Hulme, K.F., Pinson, J.T. Improved acousto-optic modulators for CO_2 heterodyne laser systems 4−52725
Hulsbosch, J. *see* Davio, M. 4−53436
Hulse, J.Van *see* Van Hulse, J.
Hulsing, H. *see* Ritter, M. 4−33442
Hulsurkar, U.V. *see* Chandole, S.V. 4−51791
Hultsch, M. *see* Wolf, H. 4−45296
Hulyer, P.J. *see* Woodbridge, K. 4−52945
Hum, R.H. *see* MacDonald, R.I. 4−42482
Hume, E.C., Deen, W.M., Brown, R.A. Mass transfer analysis of electrodeposition through polymeric masks 4−52210
Humenik, J.N. *see* Feinberg, I. 4−51566
Humenik, J.N. *see* Horstmann, R.E. 4−46707
Humes, D.H. *see* DeYoung, R.J. 4−39663
Huminski, A., Lobos, T. Voltage drops and deformations in network supplying thyristor converter 4−49943
Humm, E.D. Novel cooling scheme resolves packaging dilemma 4−29251
Hummel, E. *see* Bellchambers, W.H. 4−53987
Hummel, M. Superficial treatment of single-sided printed circuits 4−46716
Hummel, W. *see* Borkowski, N. 4−34169
Hummeler, A., Pellkofer, D. Replacement of the steam generators of the nuclear power station at Obrigheim 4−49716
Hummeler, A. *see* Pickel, E. 4−40778
Hummeltenberg, W. Implementations of special ordered sets in MP software 4−50680
Humphrey, D.R. *see* Mitz, A.R. 4−56068
Humphrey, D.T. High pin count (HPC) connector system supports more complex circuits 4−58605
Humphrey, F.B. *see* Wu, J.C. 4−31047
Humphrey, L.D. *see* Gingell, M.J. 4−31710
Humphrey, L.M. *see* Liao, P.F. 4−58817
Humphreys, D.Q., Schlin, R.C., Mutter, P.J. Printing system evaluation 4−57649
Humphreys, D.R. *see* Saraga, P. 4−60994
Humphries, R.G. *see* Torlaschi, E. 4−49468
Humphryes, R.F. *see* Lewis, M.F. 4−47164
Hun Chai Sang *see* Sang Hun Chai
Hundt, E., Lang, M. Digital image processing in engineering applications 4−43451
Hundt, E. *see* Maderlechner, G. 4−38067, 4−43458
Hundt, E. *see* Scherl, W. 4−43455
Hundt, R. *see* Simon, M. 4−39432
Hung, B. *see* McCoskey, J.S. 4−54653
Hung, E.K.L., Herring, R.W., Turner, R.M. A Gram-Schmidt decomposition spectrum analysis technique 4−37984
Hung, E.K.L., Turner, R.M., Herring, R.W. A pitfall in using the pseudoinverse of a singular covariance matrix in adaptive signal processing 4−38002
Hung, Y.Y. *see* Li Wang 4−42729
Hung Hong Ngai *see* Ngai Hung Hong
Hung Ming-pan *see* Ming-pan Hung
Hungate, F.P. *see* Kaune, W.T. 4−56207
Hungchia Huang *see* Huang Hungchia
Hungerbuhler, V. *see* Beer, A. 4−61682
Hungerford, G. Reliable power for remote areas 4−34944

Hunneman, R., Seeley, J.S., Whatley, A. Durability assessment of PbTe/II-VI infrared filters (Space Shuttle 1st LDEF) 4—37187
Hunsinger, B.J. *see* Hoskins, M.J. 4—30936
Hunsperger, R.G. *see* Hava, S. 4—42638
Hunt, B. Quality circles: square deal for productivity 4—57747
Hunt, B.R., Kubler, O. Karnhunen-Loeve multispectral image restoration—I: theory 4—47904
Hunt, B.R. *see* Gray, R.T. 4—53816
Hunt, B.R. *see* Wang, Z. 4—47838
Hunt, C.E. A system for automated testing of MOS process, circuit simulation, and performance parameters 4—36904
Hunt, L.P., Dismukes, J.P., Amick, J.A., Schei, A., Larsen, K. Rice hulls as a raw material for producing silicon 4—51753
Hunt, M. *see* Malik, S. 4—49143
Hunt, M.J. Time alignment of natural speech to synthetic speech 4—53499
Hunt, M.S.Q. *see* Wilde, P. 4—34526
Hunt, P.C., Ward, P.J. Walled collector oxide isolated I^2L 4—30753
Hunt, R., Gilbert, D. Sony (UK) Limited: use of a private videotex system 4—48130
Hunt, R.T. A renewable energy resource case study: the feasibility of a large utility redeveloping a small, retired hydroelectric plant 4—34474
Hunter, A.T. *see* Winston, H.V. 4—58917
Hunter, G.D. *see* Tromborg, E.T. 4—45774
Hunter, G.R. Microprocessor control of domestic hot water services 4—50230
Hunter, J.D. The displaced rectangular waveguide junction and its use as an adjustable reference reflection 4—41555
Hunter, J.D. *see* Somlo, P.I. 4—39105
Hunter, J.J. The anatomy and application of the T1 multiplexer 4—32535
Hunter, J.M. The purpose of teletraffic engineering and its application 4—60417
Hunter, J.M., MacFadyen, N.M. Tariffs and private networks 4—47971
Hunter, M.D., Jones, K.D., Le, K.D., Boyle, R.F. Direct load control—power system operation considerations 4—49548
Hunter, N. *see* Avis, P. 4—32803
Hunter, P.E. *see* Schwee, L.J. 4—31017
Hunter, W.R., Williams, R.T. Grain boundary diffusion of liquid metal coolants in optical materials for use with high power synchrotron radiation 4—55792
Huntley, L. A distributed artifact standard of voltage 4—44573
Huntley, R.B. Development of an X-ray facility for radiation dosimetry studies 4—56066
Huntley, W.R. Performance test results of an absorption heat pump that uses low-temperature [60°C (140°F)] industrial waste heat 4—40626
Hunton, A. Millimeter wave radar for self-contained munitions 4—54888
Huntsman, J.R. Coping with static electricity. XLVI. Practical aspects of static discharge protection testing of bags 4—59697
Hunyadi, I., Kiss, A.Z., Kiss, I., Koltay, E., Szabo, G. Charge state distribution of light heavy ions accelerated in a single ended Van de Graaff accelerator 4—33595
Hunyadi, I., Somogyi, G., Szilagyi, S. Study of ^{210}Pb and ^{210}Po distributions in environmental samples by CR-39 track detector 4—55939
Hunyadi, I., Szoghy, I.M., Cujec, B. Measurement of the $^{12}C(^{12}C,^{8}Be_{gs})^{16}O_{gs}$ cross section at sub-barrier energies by plastic detectors 4—55945
Hunyadi, I. *see* Loose, A. 4—55941
Hunyadi, I. *see* Somogyi, G. 4—55868, 4—55890
Hunziker, C. Testing of four spring operated hall echo generating instruments 4—38913
Hunziker, C. Useful tips for the amateur sound studio 4—38977
Hunziker, C. Microphone comparison test 4—44314
Huo Huadong Microwave frequency synthesizer for satellite earth stations 4—60810
Huo-qing Ge *see* Ge Huo-qing
Hupfer, K. A 10 W linear amplifier for the 23 cm band 4—41209
Huque Khan, M.R., Koyama, Y., Saji, M. Trap depth at the interface of CdTe-ZnTe heterojunctions 4—30400
Hura, G.S. On the use of Petri nets for the enumeration of all trees in a graph 4—35366
Hura, G.S. Determining trees and 2-trees in a graph through Petri nets 4—40962
Hura, G.S. A Petri net approach to enumerating all circuits of a graph 4—46122
Huraib, F. *see* Khoshaim, B. 4—40166
Hurd, J.L. *see* Tsuo, Y.S. 4—41816
Hurd, J.N. Satellite communications for the Pacific islands: an alternative to isolation 4—32743
Hurd, W.J. High dynamic, low volume GPS receiver 4—38743
Hurford, D.H. A distributed display system 4—32863
Hurley, C.W., Schooley, J.F. Calibration of temperature measurement systems installed in buildings 4—38997
Hurley, C.W. *see* Baker, D.W. 4—55758
Hurley, R.E. Plasma diagnostics in ion-assisted physical vapour deposition systems 4—41097
Hurley, R.G. *see* Papadakis, E.P. 4—29564
Hurme, H. Hysteresis rotation phase-frequency detector 4—41253
Hurskainen, R. *see* Raitala, J. 4—56340
Hursman, T. *see* Vanek, V. 4—61613
Hursman, T.L. *see* Takacs, P.Z. 4—56050
Hurst, G.R. *see* Phelps, R.F. 4—35185
Hurst, H. *see* Cleobury, D. 4—54054
Hurst, S.L. *see* Jennings, P.I. 4—29761, 4—58251
Hurt, S.L., Rosenfeld, A. Noise reduction in three-dimensional digital images 4—60209
Huruno, T. *see* Yamada, Y. 4—59829
Hus, Y.-Y., Chan, W.-C. Load frequency control of interconnected power systems using optimal variable-structure controller 4—34104
Husain, A. Optical interconnect of digital integrated circuits and systems 4—54743
Husain, A. *see* Chamberlain, S.G. 4—30631, 4—36581
Husain, S.R., Abdulla, S.A., Rahman, M.M., Hai, M.A., Alam, M.N. Assessment of radiation exposure level for the protection around X-ray installations in Bangladesh 4—39627
Husband, T.M. *see* Khodabandehloo, K. 4—50604
Husbands, C.R., Katz, R. The application of multiple speed data rate transmission to a MIL-STD-1773 data bus structure 4—44858
Huscroft, C.K., Lawrence, P.D. Randomisation of pulse-rate-encoded signals for use in stochastic computers 4—41286
Huse, H. Storage boards, how to save money 4—58319
Huseby, I.C. *see* Rosolowski, J.H. 4—36302
Hush, D. *see* Ahmed, N. 4—53750
Huson, F.R., Teng, L., Wiedemann, H. The case for giant particle accelerators 4—39373
Huss, R.E., Weber, J.W. Route finding using digital terrain data 4—44191
Hussain, G. *see* Khan, H.A. 4—55948
Hussain, M.G.M. Signal processing techniques for beam forming with distorted nonsinusoidal waveforms 4—37943
Hussain, S.M. *see* Craelius, W. 4—56134
Husseiny, A.A. A decision-making model for diagnosis and mitigation of human-initiated problems 4—62307
Husseiny, A.A. *see* Hagenson, R.L. 4—62400
Hussey, C.D., de Fornel, F. Effective refractive index and range of monomode operation for W-fibres 4—37101
Hussien, M.S.Abou *see* Abou Hussien, M.S.
Husson, B.D. *see* Chirico, C. 4—30483, 4—36155
Huston, B. A new microcomputer with ample EPROM storage. The single chip CMOS family 4—35793
Huston, B. A third generation low power single-chip microcomputer 4—41393
Huston, B. Keeping software from being copied—a new silicon method 4—41397
Huston, B. A new microcomputer with EPROM adds to the family of CMOS single chips. I 4—46501
Huston, W.B. *see* Boza, L.B. 4—38413
Hutanu, C. *see* Ijac, G. 4—40224
Hutanu, C. *see* Ijac, G. 4—40527
Hutcheson, G.D. Defining the issues in wafer fab 4—30663
Hutchins, M.W., Dusek, L.K. Advanced ICs spawn practical speech recognition 4—43229
Hutchins, R.L. *see* Hoeft, L.O. 4—37667
Hutchinson, J.W. *see* Lambropoulos, J.C. 4—29461
Hutchinson, L.T. *see* Bentz, R.W. 4—48416
Hutchinson, M.H.R. *see* Damzen, M.J. 4—53072
Hutchinson, R.L. Applications of thermal analysis to high temperature crosslinked and linear polymers 4—35294
Hutchison, D., Balfour, J., Mariani, J. A dual interface to Cambridge ring and Ethernet-type local networks 4—38270
Hutchison, D., Coffield, D. Simple token ring local area network 4—48240
Hutchon, J. Information vision of the nineties [technological development] 4—48476
Huth, G.C. *see* Iwanczyk, J.S. 4—51727
Hutin, N., Habert, D. Vegas 6809. X. The SS30 bus/a 'PIA' card 4—41363
Hutson, D.J. High voltage switch 4—51490
Hutt, G. One step beyond videotex: BL Systems breaches the user-enjoyable frontier 4—32972
Hutt, G. One step beyond videotex, the user enjoyable interface 4—48156
Huttel, I. *see* Novotny, J. 4—42620
Huttenlocher, D.P., Zue, V.W. A model of lexical access from partial phonetic information 4—53545
Huttenloher, D., Piller, W., Schranner, M. Electricity in the heat market. A comparison of toxic emissions in various heating systems 4—45753
Huttenloher, D. *see* Bratoljic, T. 4—45421
Hutter, M., Mayr, U., Zigan, H. Computer-controlled power distribution. Decentralized computer system for the interests of regional electricity supply companies 4—56581
Huttner, L. *see* Gont, M. 4—57252
Huttunen, P. *see* Pessa, M. 4—41046
Hutzler, P.J.S., Stettmaier, K., Brettel, H. Two-stage spatial filtering for diffraction pattern analysis: a digital simulation of the processor using cytogenetic data 4—32004
Huu Tam Nguy *see* Nguy Huu Tam
Huval, M., Duckworth, W.H. Offshore platform instrument systems for Timbucto 4—61239
Huyghe, M. Simple μP circuit generates serial test patterns 4—39014
Huyghens, L. *see* Block, P. 4—49241
Huynh, H.T., Kallel, S., Vo, B. 16-QAM performance in nonGaussian environment 4—31834
Hvam, J.M. *see* Kristensen, I.K. 4—42460
Hwa Lee Jong *see* Jong Hwa Lee
Hwan, E.J. *see* Kajfez, D. 4—55660
Hwan Eom Ki *see* Ki Hwan Eom
Hwan Il Kang, Min Soo Suk Development of the 1st-order similarity measure and the 2nd-order similarity measure based on the least-squares method 4—49342
Hwan Kim Chong *see* Chong Hwan Kim
Hwang, B.T. *see* Chu, S.F. 4—36405, 4—42146
Hwang, B.T. *see* Chu, S.S.F. 4—41929
Hwang, B.T. *see* Hu, C.C. 4—36805
Hwang, C., Pi, W.S. Optimal control applied to aircraft flutter suppression 4—49364
Hwang, C., Shih, Y.P. An algorithm for a 2D continued fraction inversion 4—43327
Hwang, H.H., Zhuang, X.F. Digital simulation of second generation wind turbine generators connected to power systems 4—40186
Hwang, H.L. *see* Hsu, H.J. 4—35455
Hwang, H.-L., Hong, C.-S. The development of the photovoltaics industry in Taiwan 4—50082
Hwang, J.C.C. *see* Chan, F.H.Y. 4—56102
Hwang, J.C.M., Kastalsky, A., Stormer, H.L., Keramidas, V.G. Transport properties of selectively doped GaAs-(AlGa)As heterostructures grown by molecular beam epitaxy 4—36308
Hwang, J.C.M. *see* Chao, P.C. 4—36058, 4—58549
Hwang, J.C.M. *see* Dandekar, N. 4—58543
Hwang, J.C.M. *see* Kastalsky, A. 4—52770
Hwang, J.C.M. *see* Paalanen, M.A. 4—41877, 4—41880
Hwang, J.C.M. *see* Schlesinger, Z. 4—58779
Hwang, J.Y., Takayasu, M., Friedlaender, F.J., Kullerud, G. Application of magnetic susceptibility gradients to magnetic separation 4—31619
Hwang, J.Y. *see* Takayasu, M. 4—37552
Hwang, K.-K. *see* Lin, G.W. 4—62473
Hwang, P.Y.C. *see* Brown, R.G. 4—39694
Hwang, P.Y.C. *see* Grover Brown, R. 4—60939
Hwang, R.Q. *see* Williams, E.D. 4—46754
Hwang, T.-Y. On the completeness property of substitution boxes 4—43161
Hwang, U.P., Simons, R.E. Heat sink with cavities for receiving circuit modules and wax-coated spring pads providing heat transfer contact between module and heat sink 4—29261
Hwang, W., Bolle, D.M. Nonlinear MM wave generation in a planar structure containing semiconductor 4—42719
Hwang, W. *see* Chao, A. 4—50592
Hwang, W. *see* Shoucair, F. 4—47046, 4—47047
Hwang, W. *see* Shoucair, F.S. 4—42057
Hwang, W. *see* So, S.M. 4—45652
Hwang, W.C., Poston, T.M., Collins, G.F. Life test with simulation of orbital thermal flux 4—40402
Hwang, W.-L., Talisa, S.H., Bolle, D.M. New results for near-millimeter wave isolators and phase shifters based on magnetoplasmons on GaAs substrates 4—46622
Hwang, Y. Optimum design of millimeter-wave IMPATT diode oscillators 4—36067
Hwang Chan Sik *see* Chan Sik Hwang
Hwang Hee-Yeung *see* Hee-Yeung Hwang
Hwang Whei-Lin *see* Whei-Lin Hwang
Hwangbo, H. Motorized Thermal Control Shade 4—44879
Hydes, A.J. *see* Field, D. 4—42009
Hyjazie, F. *see* Shafai, L. 4—42941
Hyland, M.J., Spence, W.B. Oil mining—an old proven technique—now economic 4—35106
Hyland, R.J. *see* Buchmann, A.H. 4—40857
Hyland, W.L. Status of the TCAS program 4—39649
Hylten-Cavallius, N. *see* Malewski, R. 4—56705
Hyman, B., Bereano, P.L., King, S. Characteristics of decentralized electricity generation 4—62055
Hyman, E.A. *see* Pivec, A. 4—40518
Hyman, H.A. *see* Fulghum, S.F. 4—37445
Hynes, D.M. *see* Rowlands, J.A. 4—49145
Hynes, M.V., Ford, J.L.C., Jr., Sjoreen, T.P., Blankenship, J.L., Bertrand, F.E. Design and performance of a vertical drift chamber for heavy ion applications 4—55845
Hynes, M.V. *see* Sjoreen, T.P. 4—61686
Hyslop, J. *see* Evans, G.A. 4—50727
Hyuga, F., Shinohara, M., Kozen, A., Hirano, M., Tsuzuki, N. New ion-implantation method for 4-μm period bubble device 4—59156
Hyun, C. *see* Shur, M.S. 4—52121
Hyun-kyo Jung, Gi-shik Lee, Song-yop Hahn 3-D magnetic field computations by infinite elements 4—31582

Hyung-Boo Kang, Byung-Tai Kim A study on the amplification characteristics of laser of phosphate Nd^{3+} glass and silicate Nd^{3+} glass 4—47439

Iachetti, D. *see* Pergrale, J. 4—39532
Iacono, S. *see* Hayes-Roth, F. 4—50398
Iacovino, J.M. *see* Paulson, C.K. 4—49704
Iafrate, G.J. The physics of small dimensions 4—58986
Ianama, G. *see* Antolini, R. 4—49253
Iancovici, P. Estimation of the reliability of electric power supply to the auxiliaries of a high capacity power unit 4—56392
Iancso, L. *see* Diaconescu, I. 4—55548
Ianniello, J.P. Comparison of the Ziv-Zakai lower bound on multipath time delay estimation with autocorrelator performance 4—60057
Iannotta, S. *see* Bassi, D. 4—33121
Iannuzzi, M. *see* Allocca, L. 4—33776
Iazzi, F. *see* Bressani, T. 4—33695, 4—39427
Iazzi, F. *see* Minetti, B. 4—49048
Iba, T. *see* Takahashi, Y. 4—56278
Ibaraki, A., Ishikawa, S., Ohkouchi, S., Iga, K. Pulsed oscillation of GaAlAs/GaAs surface-emitting injection laser 4—42626
Ibaraki, A. *see* Takahashi, H. 4—52730
Ibaraki, N. *see* Kakalios, J. 4—58772
Ibarra, J., Jara, E., Berriel, L.R., Guel, S. Double image effect through an illumination wavefront alone 4—38109
Ibarra, J. *see* Berriel-Valdos, L.R. 4—43446
Ibarra, J. *see* Guel, S. 4—38108
Ibbotson, D.E., Flamm, D.L., Jucha, J.A., Donnelly, V.M. Comparison of XeF_2 and F-atom reactions with Si and SiO_2 4—46939
Ibbs, K., Lloyd, M.L. Laser doping of silicon by the dissociation of metal alkyls 4—41979
Ibbs, S. Simple PSU 4—46344
Ibbs, S. Audio signal generator 4—48915
Ibern, A. *see* Puchal, H. 4—49189
Ibrahim, A. *see* Kadekodi, N. 4—55279
Ibrahim, A. *see* Zomorrodi, M. 4—59041
Ibrahim, H. *see* Apfel, R. 4—38140
Ibrahim, K.M., Abdul-Karim, M.A.H. Simple power control circuit 4—41187
Ibrahim, Z.A. Generation-recombination measurements in silicon M.O.S. capacitors 4—36353
Ibruegger, J. *see* Blundell, R. 4—41585
Ibuki, K. *see* Kuwahara, H. 4—57272
I.Catt. *see* Catt. I.
Ice, G.E., Sparks, C.J., Jr. Focusing optics for a synchrotron X-radiation microprobe 4—56048
Ichihara, K. *see* Kobayashi, S. 4—61515
Ichihara, M. *see* Imura, T. 4—29515
Ichihashi, H. *see* Tanaka, H. 4—57944
Ichijo, T. *see* Mori, L. 4—62797
Ichikawa, A. Semilinear stochastic evolution equations: boundedness, stability and invariant measures 4—29328
Ichikawa, A. Utility theory for system evaluation 4—29343
Ichikawa, A. *see* Hataoka, N. 4—59990
Ichikawa, H. Kimitsu Satellite Control Center of Telecommunications Satellite Corporation of Japan 4—44027
Ichikawa, K., Yamazaki, K. Design considerations for power Schottky barrier diodes 4—52062
Ichikawa, K. *see* Tamura, K. 4—49917
Ichikawa, M. General formula for upper bound of probability of failure 4—35334
Ichikawa, M. *see* Tamano, J. 4—30495
Ichikawa, M. *see* Tamura, M. 4—51982
Ichikawa, R. *see* Kobayashi, K. 4—35862
Ichikawa, S. Adaptation of stiff methods to simulation of impurity diffusion in semiconductors 4—36245
Ichikawa, Y., Ozaki, N., Sadakane, K. A hybrid locomotion vehicle for nuclear power plants 4—34286
Ichikawa, Y., Takahashi, S. Some design methods of two-dimensional digital filters with complex coefficients in consideration of liner phase characteristics 4—58462
Ichikawa, Y., Yamazaki, Y., Satou, M. Application of composition-graded Gd-Fe thin films to magnetic measurement devices 4—47173
Ichikawa, Y. *see* Tanaka, R. 4—60765
Ichimiya, Y. *see* Yamada, H. 4—35748, 4—46540
Ichimura, K., Matsuyama, M., Watanabe, K. Adsorption and desorption of tritium on materials for secondary electron multipliers 4—30283
Ichimura, M., Mutsuura, F. An air conditioning system using a thermosiphon for telecommunications buildings 4—57585
Ichimura, M., Tanaka, R., Ogata, T. A new method for testing stationary batteries capacity in telecommunications systems 4—55218
Ichinokawa, T. Surface analysis by low energy SEM with a field emission gun 4—41795
Ichinomiya, K. *see* Tada, O. 4—52780
Ichinose, K. *see* Wakui, G. 4—57077
Ichinose, M., Fujii, S., Nozaki, K. Geomagnetic disturbance effects on usable frequency bands for a long-distance HF path 4—42856
Ichinose, S., Matsuki, M., Higuchi, K. Solid-state scanning ink jet recording 4—57650
Ichioka, Y., Tanida, J. Optical parallel logic gates using a shadow-casting system for optical digital computing 4—60193
Ichioka, Y. *see* Sugimoto, S. 4—53878
Ichioka, Y. *see* Tanida, J. 4—59629
Ichiura, N. *see* Okada, K. 4—55354
Ichiyanagi, K., Kobayashi, H., Kamaya, H. A simple phase detector for power systems using a microcomputer 4—56696
Ida, T. *see* Morishita, M. 4—40551
Iddin, A. *see* Stannard-Powell, S.J. 4—54843
Ide, H. Color character trainer aid for the blind 4—56186
Ide, H.-D., Sagebarth, J. On properties of random number generators and their influence on traffic simulation 4—43537
Ide, K. *see* Harada, N. 4—44451
Ide, K. *see* Suzuki, K. 4—55600
Ide, T. *see* Hashimoto, H. 4—36220
Ideguchi, T., Hattori, M., Koga, H. Advanced induction voltage reduction method for telecommunication cables by arrester and ferromagnetic loading 4—37652
Ideguchi, T. *see* Nakatsuka, S. 4—60621
Idelchik, V.I. An example of analysis of existence and uniqueness of a solution of steady-state equations 4—44970
Idemen, M., Buyukaksoy, A. High-frequency surface currents induced on a perfectly conducting cylindrical reflector 4—47577
Ido, K. *see* Onishi, K. 4—44378
Ieda, M. *see* Iida, K. 4—42192
Ieda, M. *see* Nakamura, S. 4—39878
Iesakov, V.F. *see* Rouzanov, I.V. 4—48545
Ieyoshi, Y. *see* Kato, S. 4—54393
Ifukube, T. *see* Nitadori, Y. 4—53469
Iga, K., Oikawa, M. Planar microlens array 4—42440
Iga, K. *see* Chailertvanitkul, A. 4—50798
Iga, K. *see* Ibaraki, A. 4—42626
Iga, K. *see* Suematsu, Y. 4—31399
Igarashi, K., Ogawa, K., Makihara, S., Shibata, H., Okumura, A. Improvement of instrument transformers test system 4—61182
Igarashi, M. A termination criterion for iterative methods used to find the zeros of polynomials 4—29401
Igarashi, M. *see* Hikita, M. 4—42291
Igarashi, M. *see* Hirachi, Y. 4—36596
Igarashi, M. *see* Iwata, T. 4—47214
Igarashi, R., Narita, Y. A snow cover measurement using nuclear radiations 4—55818
Igarashi, S. *see* Uzawa, S. 4—31048
Igarashi, Y. *see* Brown, F.M. 4—46321
Igarashi, Z. *see* Mori, Y. 4—61630, 4—61663
Igarashi, Z. *see* Takagi, A. 4—61653
Igielski, J. Determining the frictional parameters between the active elements in quick-action electromagnetic clutches 4—50174
Iglesia, R.Diaz de la *see* Diaz de la Iglesia, R.
Iglesias, G.E., Gomez, A.P. An instantaneous frequency meter 4—44550
Iglesias, G.E., Zelaya, A. Electronic flow volume meter 4—39233
Iglesias, M. *see* Vaquero, A. 4—51157
Ignagni, A.R. *see* Riso, R.R. 4—56142
Ignasiak, B., Kaszewski, B. The effect of ship's environment on technical condition of electric machines 4—45717
Ignatchenko, A.I. Digital device for measuring speed of rotation of motor shaft 4—33489
Ignatenko, E.I. *see* Matveev, A.A. 4—39996
Ignatenko, P.I., Topinskii, N.I., Baidikova, L.V. Structure and growth kinetics of layers of zinc chalcogenides with reactive diffusion 4—41049
Ignatenko, V.V. *see* Svidchenko, A.I. 4—45758
Ignat'eva, I.V., Korol'kov, D.V., Krat, O.I. Scattered background of the RATAN-600 antenna from Sun observations 4—32883
Ignatiev, A. *see* Bensaoula, A. 4—41081
Ignatov, A.A., Okomelkov, A.V. Comments on the nature of ballistic transport in small semiconductor devices at low applied voltage 4—36504
Ignatov, B.G. *see* Aleksandrov, A.L. 4—30060
Ignatov, I.A. *see* Badazhkov, O.A. 4—41202
Ignatov, I.I., Khainson, A.V. Calculating the electrical parameters and operating conditions for electric arc steel melting furnaces 4—57548
Ignatov, I.I., Khanisov, A.V. Steelmaking arc furnace electric parameters and states analysis 4—57598
Ignatov, V.A., Zabota, I.G., Stavinskii, A.A. Active space utilisation and calculation of end-plate asynchronous machine magnetising current 4—57001
Ignatov, V.E., Kuzmin, A.V., Skobarikhin, Yu.V Experimental model for a 1000 A superconducting transformer 4—45472
Ignatov, V.Ye., Kuz'min, A.V., Skobarkhin, Yu.V. Experimental model of a 1000 A superconducting converter 4—45521
Ignizio, J.P. A note on the multidimensional dual 4—50684
Ignizio, J.P. *see* Markowski, C.A. 4—29379
Ignjatijevic, D. *see* Mendas, I. 4—37420
Igoshev, V.A. *see* Bogdanov, V.G. 4—57131
Igoshin, V.I., Molevich, N.E., Oraevskii, A.N. High power pure rotation laser due to vibrational excitation 4—42566
Igoshin, V.I., Molevich, N.E., Oraevskii, A.N. High power pure rotational laser due to vibrational excitation 4—47412
Igoshin, V.I., Pichugin, S.Yu. Chemical HF laser initiated by evaporation of fine particles under the action of infrared radiation 4—31331
Iguchi, K. Convergence property of Aitken's Δ^2-process and the applicable acceleration process 4—41008
Iguchi, M. *see* Sato, M. 4—31763
Iguchi, T., Takahashi, K, Baba, M. Continuous and sampled data feedback type precision voltage amplifier for testing watt-hour meter 4—50985
Igumenov, V.T., Kichigin, D.A., Mironov, O.A., Chistyakov, S.V. Nonequilibrium galvanomagnetic effects of quasi-2D electrons in *p*-InSb/*i*-GaAs heteroepitaxial structures 4—36311
Igumenschev, V.A. *see* Arzamastsev, D.A. 4—45054
Igumenshchev, V.A. *see* Arzamastsev, D.A. 4—44968
Igumnov, D.V., Kostyunina, G.P., Maslovskii, V.A., Gromov, I.S. Transformers based on bipolar transistors 4—30751
Igumnov, V.P., Mal'tsev, S.N., Kon'kon, Yu.D., Chernysh, V.P., Kuznetsov, V.D. MIG welding with electromagnetic agitation 4—45778
Igura, K., Shikata, S., Nakamoto, N., Uenishi, A. Microcomputer applications to rolling-stock controllers 4—62755
Igura, Y. *see* Kume, H. 4—42139
Ihara, F., Kobayashi, K., Yokoyama, H., Iwasaki, S., Konoshita, O. Coil and transformer automatic test equipment (ATE) system 4—55216
Ihara, H. *see* Kosaka, M. 4—48506
Ihara, M. Epitaxial spinel growth for integrated circuits 4—42096
Ihara, M. Vapor phase epitaxial growth of silicon on insulating material on silicon 4—46229
Ihara, S. Maximum entropy spectral analysis and ARMA processes 4—43317
Ihara, S. *see* Frantz, T. 4—45000
Ihara, T., Furuhama, Y., Manabe, T. Inference of raindrop size distribution from rain attenuation statistics at 12, 35, and 82 GHz 4—47622
Ihara, T. *see* Manabe, T. 4—47593
Ihara, T. *see* Tanaka, H. 4—39566
Ihle, K.H. *see* Schroller, R. 4—45794
Ihokura, K., Tanaka, K., Murakami, N. Use of tin dioxide sensor to control a domestic gas heater 4—48838
Iida, H., Aoki, Y., Yagi, K., Matoba, M. Construction of a simple focal-plane detector with high position resolution 4—61687
Iida, H., Mishuku, T., Hayashi, Y. Optical confinement type a-Si:H solar cell using milky tin oxide on glass 4—45655
Iida, H., Mishuku, T., Sakata, I., Hayashi, Y. A milky tin oxide on glass (MTG) substrate thin undoped layer p-i-n amorphous silicon solar cell with improved stability and relatively high efficiency 4—34882
Iida, H. *see* Matsumura, J. 4—40057
Iida, H. *see* Ueno, F. 4—58157, 4—58158
Iida, I., Yasuda, Y. Performance analysis of CSMA/CD protocol with backoff algorithms 4—47926
Iida, I. *see* Namikawa, H. 4—50808
Iida, K., Waki, M., Nakamura, S., Ieda, M., Sawa, G. Influence of residual solvent on electric conduction of polyimide 4—42192
Iida, K. *see* Kitamura, A. 4—32615
Iida, K. *see* Sato, M. 4—36817
Iida, K. *see* Shinmi, T. 4—59016
Iida, M. *see* Uematsu, H. 4—38429
Iida, S. *see* Bollinger, D. 4—46960, 4—52226
Iida, S. *see* Shibata, S. 4—61733
Iida, T. AM stereo signal generator 4—55503
Iida, Y., Hasegawa, S. An approach to quarter-micron E-beam lithography using optimized double layer resist process 4—36420
Iida, Y. *see* Hasegawa, S. 4—30724
Iida, Y. *see* Ueda, H. 4—46751
Iijima, K. *see* Odawara, G. 4—58612
Iijima, S. *see* Hayakawa, T. 4—57332
Iijima, T. Characteristics of new type hollow cathode discharge tubes with high voltage operation 4—36239
Iijima, T. Theory of interpolation by M-times continuously differentiable piecewise-connected polynomials 4—46172
Iijima, T. Generalization of sampling theorem by blurring operation 4—47701
Iijima, T., Hanafusa, H. Plasma polymerized protective film for magnetic recording thin film tape 4—31022
Iijima, T. *see* Akagi, M. 4—43364, 4—53477
Iijima, T. *see* Okabe, T. 4—52139
Iijima, T. *see* Sato, M. 4—53814, 4—53857
Iijima, T. *see* Taguchi, M. 4—58677
Iijima, T. *see* Yoshida, I. 4—36621

Iijima, Y. *see* Nakamura, K. 4—32505
Iimura, J. *see* Kato, M. 4—54037
Iino, A. *see* Kokura, K. 4—52614
Iino, A. *see* Nagasawa, K. 4—42340
Iinuma, T. Recent development in medical imaging technology—digital X-ray imaging, positron CT and NMR imaging 4—49170
Iio, S. *see* Nakano, H. 4—42949
Iioka, M. *see* Shinkai, T. 4—40088
Iisaku, S. *see* Matsuo, K. 4—54682
Iiyama, K. *see* Suehiro, Y. 4—32812
Iiyama, K. *see* Tojo, M. 4—31137
Iiyama, S. Damage free polishing of InP substrates 4—58863
Iizuka, H. Design and implementation of a microprocessing unit with flexible architecture 4—41387
Iizuka, H., Kurosawa, K., Shibata, T. VLSI MOS device isolation technology 4—47139
Iizuka, H., Mizusawa, J. Internetworking system between public telephone network and packet switched network 4—32247
Iizuka, H. *see* Hieda, K. 4—35822
Iizuka, H. *see* Ito, K. 4—36109
Iizuka, H. *see* Moriya, T. 4—30805
Iizuka, H. *see* Shibata, T. 4—35809
Iizuka, H. *see* Wada, M. 4—30813
Iizuka, J. *see* Usami, S. 4—33615
Iizuka, T., Sakurai, T. CR isolated cell for soft error prevention—static RAM application 4—30797
Iizuka, T. *see* Isobe, M. 4—51307
Iizuka, T. *see* Miyamoto, J. 4—51240
Iizuka, T. *see* Onuki, J. 4—58662
Iizuka, T. *see* Sakurai, T. 4—51251
Ijac, G., Cepoiu, G., Diaconescu, M.P., Savitescu, G., Hutanu, C., Botan, N.V., Mihaileanu, C., Potlog, D. Devices and installations for the control, operation and optimisation of some actuating system processes. Optimisation with synchronous motors. III. The installation SINCROOP—the third variant 4—40224
Ijac, Gh., Cepoiu, Gh., Bojan, N.V., Diaconescu, M.P., Savitescu, Gh., Zarnescu, H.V., Mihaileanu, C., Potlog, D.M. Devices and installations for the control, operation and optimisation of some actuating systems processes optimization with synchronous motors. I. The devices and installation SINCROOPT I 4—40223
Ijae, G., Cepoiu, G., Botan, N.V., Diaconeseu, M.P., Savitescu, G., Hutanu, C., Mihaileanu, C., Potlog, D. Equipment and installation for the control, operation and optimization of synchronous motors driving systems II. The SINCROOPT Installation, the second version 4—40527
Ijff, G., Bosgra, L., van der Wateren, E.H. A measurement and control system for acidity and conductivity: microcomputer use in environmental research for the coal industry 4—48687
Ijichi, K., Billerbeck, W.J. Capacitor bank charging by series-parallel switching of solar arrays 4—44895
Ijima, K., Sonoda, T., Uno, K., Takanishi, T., Kotsubo, S. Additional dynamic tension in a suspended transmission line 4—45132
Ijiri, H. *see* Matoba, M. 4—55977
Ik Cho Kyoung *see* Kyoung Ik Cho
Ik Soo Chang Wide bandwidth GaAs FET distributed amplifier for microwave frequencies 4—46625
Ikari, S. *see* Hayakawa, T. 4—57332
Ikawa, Y., Toyoda, N., Mochisuki, M., Terada, T., Kanazawa, K., Hirose, M., Mizoguchi, T., Hojo, A. A 1K-gate GaAs gate array 4—51168
Ikawa, Y. *see* Hojo, A. 4—42171
Ikawa, Y. *see* Toyoda, N. 4—29883
Ikebe, H. *see* Mukai, T. 4—56486
Ikeda, E. *see* Ohno, H. 4—51981
Ikeda, H., Egawa, T. Digital switching technology 4—32571
Ikeda, H. *see* Shimada, K. 4—62626
Ikeda, K., Ebihara, Y., Nakamura, T., Ishizaka, M., Shinzawa, M., Nakayama, K. A local computer network that uses a wideband channel 4—32406
Ikeda, K. *see* Ariizumi, T. 4—42301
Ikeda, K. *see* Hosaka, R. 4—56099
Ikeda, K. *see* Ishii, Y. 4—51773
Ikeda, K. *see* Ohba, S. 4—55274
Ikeda, K. *see* Oomura, E. 4—59532
Ikeda, K. *see* Takahashi, T. 4—53472
Ikeda, K. *see* Tomita, Y. 4—30010
Ikeda, M. Isolation characteristics for laser diode optical switches 4—59541
Ikeda, M. *see* Kamibayashi, N. 4—43777
Ikeda, M. *see* Kataoka, H. 4—42745
Ikeda, M. *see* Suzuki, K. 4—55600
Ikeda, N. *see* Endo, T. 4—54165
Ikeda, O. *see* Noguchi, H. 4—34234
Ikeda, S., Ushiyama, Y., Nagai, K., Nakajima, H., Yamashita, T., Takamine, I., Yokota, T. Newly developed portable color camera MNC-100 4—32954
Ikeda, S., Watanabe, N. High resolution TOF crystal analyzer spectrometer for large energy transfer incoherent neutron scattering 4—39490
Ikeda, S. *see* Rauh, H. 4—61728
Ikeda, S. *see* Taniguchi, K. 4—61738
Ikeda, T. *see* Kanada, Y. 4—60530
Ikeda, Y., Katayama, Y., Iwashita, Y. Design and fabrication of permanent magnet quadrupole lens 4—53193
Ikeda, Y., Norigoe, M. New realization of DFT applied to CCITT no.5 telephone signaling system 4—54520
Ikeda, Y., Ohta, H. Application of a personal computer to maintenance of standards 4—61170
Ikeda, Y. *see* Mori, H. 4—54541
Ikegami, F. Portable communication story 4—48405
Ikegami, F. *see* Takeuchi, T. 4—53305
Ikegami, G. On dynamic behavior of electrical circuits with jumping 4—46319
Ikegami, K. *see* Mori, Y. 4—61630, 4—61663
Ikegami, K. *see* Takagi, A. 4—61653
Ikegami, S. *see* Matsumoto, H. 4—40458
Ikegami, T. Progress in long-wavelength laser diodes 4—53004
Ikegami, T. *see* Itaya, Y. 4—37370
Ikegami, T. *see* Nakano, Y. 4—37367
Ikegami, T. *see* Takahei, K. 4—37377
Ikegami, Y. *see* Yamazaki, T. 4—30303
Ikejiri, M. *see* Akino, K. 4—32613
Ikemi, K. *see* Kashino, E. 4—62512
Ikenaga, Y., Matsumoto, H., Ozaki, Y., Tomoda, T., Oda, M. The development of an ultrasonic flowmeter for PWRs 4—62019
Ikenoue, J. *see* Onodera, H. 4—31155, 4—31157
Ikenoue, J.-I. *see* Nakajima, M. 4—29695
Ikezaki, M., Sakon, T., Asabe, T. Electronic conference system 4—54117
Ikezawa, T. *see* Gambe, H. 4—32002
Ikoma, T. *see* Horio, K. 4—47296
Ikoma, T. *see* Wada, T. 4—46816
Ikonnikova, O.G., Neustroev, L.N., Osipov, V.V. Theory of photoconductors based on narrow-band semiconductors with inverting band bending at the surface 4—31222
Ikram, A. Project management in relocating a plant from a large northern city to a small southern town 4—50393
Ikramov, Kh.D. Block analog of the property of diagonal predominance 4—46191
Ikryannikov, V.I. Analysis of capacitor discharge into an RL circuit with nonlinear dissipation of energy [impulse generators] 4—45506
Ikuzaki, K. *see* Harakawa, T. 4—60433
Ikuzaki, K. *see* Takechi, M. 4—51242
Il Kang Hwan *see* Hwan Il Kang
Ilakovac, N. *see* Kreisel, V. 4—56878
Il'chev, N.N. *see* Zharikov, E.V. 4—31364
Il'chuk, G.A. *see* Akhromenko, Yu.G. 4—36276, 4—58007
Ilegems, M. *see* Nottenburg, R. 4—37226
Il'enko, B.P. *see* Bredikhin, M.Yu. 4—39402
Iles, P.A. Manufacturing trends in space solar cells 4—34933
Iliadis, A., Heming, L., Barton, T.H. Time-domain analysis of induction motors with non sinusoidal supplies 4—57043
Ilic, A., Duric, M. Applications of channel filters in multichannel telegraph transmission over voice channels 4—48028
Ilic, D. On application of stochastic control of execution of some very complex algorithms in multi-user-information theory and data networks 4—43041
Ilic, D. On lower bound in optical communications with quantum receivers 4—44143
Ilic, D. *see* Gotway, E.O. 4—35415
Ilic, D.D. Analysis of the optimization constraints of sequential optimization algorithm for multiparameter quantum mechanical estimation of unbounded signals 4—37814
Ilic, D.D. A proof of the fundamental theorem of optimal quantum mechanical multiparameter estimation 4—38106
Ilic, D.D. Certain expressions for conditional probability and conditional expectation in quantum mechanics and optical communications 4—38107
Ilic, J. *see* Jevtovic, M. 4—60580
Ilic, R. *see* Loose, A. 4—55941
Ilic, R. *see* Somogyi, G. 4—55868
Iliev, N.B., Zagorski, R.D. On some problems of testing electronic modules in systems with higher requirements for reliability 4—58614
Iliev, S., Christov, C. The choice of the place of application for the stabilizing feedback in the generator excitation system to improve the electromechanical oscillation damping 4—34092
Iliev, S., Christov, C. Generator's work with different excitation and regulation systems for common high voltages busbars 4—34096
Ilieva, M. *see* Markov, I. 4—29510
Iliff, C.H. Electronic mail at the University of Alaska 4—38226
Iliffe, J.C. Atmospheric refraction effects on precise distance measurement 4—61926
Ilijanic, V. *see* Muftic, Dz. 4—39917
Il'in, A.Ye. *see* Tuzov, G.I. 4—43354
Il'in, B.I. *see* Lopukhina, E.M. 4—34701
Ilin, G.P. Solution of the screened magnetic coupling field problem 4—45679
Ilin, G.P., Karasev, A.V. Synchronous magnetic coupling magnetic field and electromagnetic forces analysis 4—37547
Il'in, G.V. *see* Tarbeev, Yu.V. 4—33984
Il'in, V.A., Khomutov, B.D., Etkin, V.S. Novel point Josephson contact 4—37070
Il'in, V.I., Musikhin, S.F. Changes in the structure of a *p-n* junction as a result of its miniaturization 4—58789
Il'in, V.N. *see* Khomenok, L.A. 4—55738
Il'in, V.V. *see* Arutyunyan, E.A. 4—37141
Il'ina, N.A. *see* Namitokov, K.K. 4—49996
Il'inskii, A.S., Kadomtseva, A.F. Application of Galerkin's incomplete method to the problem of mode propagation in a planar waveguide (H-polarization) 4—47651
Il'inskii, A.S., Ponomarev, L.I., Berezhnaya, I.V., Dolgii, A.V. The reduction of the field scattered by receiving dipoles 4—42961
Il'inskii, A.S. *see* Apel'tsin, V.F. 4—42844
Il'inykh, S.A. *see* Taluts, S.G. 4—48715
Il'kevich, Z.A. *see* Khrilev, L.S. 4—40073
Ilkowski, K. Application of the maximum likelihood method to the evaluation of contaminated insulation test results 4—52315
Illhardt, E. Rationalizing photogrammetric analogue plotting with the DZT 90×120 digital plotting table 4—49447
Illingworth, A. Safety and inspecting authority requirements for electrically heated boilers 4—50229
Illingworth, J. *see* Paler, K. 4—51668, 4—60215
Illmann, J.Z. Novelties in materials testing with ultrasonics 4—35529
Illueca, C. *see* Pons, A. 4—32036
Illyefalvi-Vitez, Z. *see* Zentai, G. 4—55395
Iltis, R. *see* Dankberg, M. 4—53560
Iltis, R.A., Milstein, L.B. A performance analysis of maximum likelihood and least squares estimation receivers designed for narrowband interference rejection 4—32671
Iltis, R.A. *see* Sulnier, G.J. 4—35974
Ilyichev, V.P. The identification of the elements of a broadcast signal 4—32910
Ilyin, A.K. *see* Akulichev, V.A. 4—62474
Ilyukhina, Z.P. *see* Georgobiani, A.N. 4—30389, 4—59360
Il'yushenko, V.N. *see* Grashchenkov, N.F. 4—51000
Ilyushin, V.F. *see* Karasev, V.B. 4—40026
Ilzkovitz, F., Janssens, C. Influence of an energy savings policy on the consumption of residential heating in Belgium 4—35053
Im Dal-Ho *see* Dal-Ho Im
Imae, M. The determination of average atomic time TA (RRL) 4—33498
Imae, M., Okazawa, H., Sato, T., Urazuka, M. High accuracy clock comparisons using space technology 4—33501
Imae, M. *see* Saburi, Y. 4—44198
Imagawa, H. *see* Kawarada, K. 4—38403
Imai, C. *see* Hirakura, K. 4—53168
Imai, E. *see* Kikuchi, K. 4—35093
Imai, H., Ohara, T. Accuracy of computation using two dimensional magnetostatic program TRIM converted into RIPS 4—37528
Imai, H., Yashiro, M. Decoding method for doubly encoded Reed-Solomon codes and their error probabilities 4—47739
Imai, H. *see* Jidai, E. 4—36971
Imai, H. *see* Matsumoto, T. 4—47781
Imai, H. *see* Suda, H. 4—31999
Imai, H. *see* Suzuki, T. 4—48676
Imai, I. *see* Kishi, S. 4—30924
Imai, K. Applications of microelectronics in broadcasting 4—38759
Imai, K., Unno, H. FIPOS (Full Isolation by Porous Oxidized Silicon) technology and its application to LSIs 4—36837
Imai, K., Unno, H. Characterization of 0.1 μm thick isolated silicon layers on porous oxidized silicon 4—50795
Imai, K. *see* Unagami, T. 4—47105
Imai, K. *see* Utsumi, Y. 4—54975
Imai, M., Ohhata, K., Harada, T., Yakushi, T., Okiai, R., Takehana, H., Ono, M., Niwa, T., Ohshima, H. Installation of 275 kV XLPE insulated power cables in Tamahara pumped-storage power station 4—56887
Imai, M., Tsujii, M., Ohtsuka, Y. PZT cylindrical phase shifter and modulator in a single-mode fiber interferometer 4—52604
Imai, N., Ota, M. Crystal Color: large-screen, full-color, flat display systems using an array of liquid-crystal devices 4—33384
Imai, N., Yamamoto, K. A design of high-Q dielectric resonators for MIC applications 4—51541
Imai, S., Kishimoto, H., Jabami, R., Uchiyama, K., Nakao, K. Ceiling suspended type room air conditioners utilizing split flow fluidic air deflecting element 4—50238
Imai, S., Sakaue, T., Moriyama, H. A CCD TV signal processor 4—55009
Imai, S. *see* Morita, S. 4—37073
Imai, S. *see* Saravari, C. 4—47804
Imai, S. *see* Takara, T. 4—53479

Imai, Y., Ito, H., Owada, K., Sugeta, T. Design and fabrication for GaAs monolithic broadband amplifiers 4–50992
Imaide, T. *see* Ohba, S. 4–55274
Imaino, W. *see* Crowley, J.I. 4–33459
Imaizumi, M. *see* Kasahara, M. 4–32236
Imaizumi, S. *see* Yokokawa, S. 4–39801
Imajo, T. *see* Tsuda, H. 4–45115
Imajo, V. *see* Okawa, M. 4–34789
Imaki, J. Compromise between national and local needs–JNR's experience 4–35001
Imamura, J. Study on ship safety domain 4–44182
Imamura, K. Conjectures concerning the existence or nonexistence of selfcomplementary bases of finite fields 4–43055
Imamura, K., Hattori, T. Performance of switched diversity for mobile radio systems in Rayleigh fading environment 4–43993
Imamura, K., Yokoyama, N., Ohnishi, T., Suzuki, S., Nakai, K., Nishi, H., Shibatomi, A. A WSi/TiN/Au gate self-aligned GaAs MESFET with selectively grown n^+-layer using MOCVD 4–47026
Imamura, K. *see* Baba, Y. 4–41503
Imamura, K. *see* Shigaki, M. 4–41603
Imamura, K. *see* Yokoyama, N. 4–47025
Imamura, M. *see* Saito, A. 4–52467
Imamura, M.S., Moser, R., Aichele, D., Lanier, R., Jr. Automation concepts for large space power systems 4–39674
Imamura, M.S. *see* Dietrich, E.S. 4–39673
Imamura, O. Optomagnetic disc memory 4–44282
Imamura, S., Sugawara, S. Chloromethylated polystyrene, high performance negative resist for microfabrication 4–36156
Imamura, S., Tamamura, T., Sukegawa, K., Kogure, O., Sugawara, S. Crosslinking reactions in negative electron resists composed of halogenated aromatic polymers 4–46912
Imamura, S. *see* Kitamura, T. 4–31214
Imamura, S. *see* Morita, M. 4–41938
Imamura, S. *see* Murakami, S. 4–56805
Imamura, Y. *see* Kusano, C. 4–36230
Imamura, Y. *see* Shinohara, M. 4–51772
Imamura, Y. *see* Tomita, H. 4–62321
Imamutdinov, F.S. *see* Vaisfel'd, M.P. 4–31262
Imanaka, K., Horikawa, H., Kawai, Y., Sakuta, M. A novel technique to fabricate GaInAsP/InP buried heterostructure laser diodes 4–42613
Imanaka, K., Horikawa, H., Matoba, A., Kawai, Y., Sakuta, M. High power output, low threshold, inner stripe GaInAsP laser diode on a p-type InP substrate 4–52952
Imanishi, S. *see* Muranaka, N. 4–41328
Imasaki, K. *see* Miyamoto, S. 4–34788
Imase, M. *see* Mase, K. 4–32087
Imazu, H., Koyama, T. The determination of collision avoidance action 4–44183
Imbens, G. Industrial automation requires the use of easily handled HF oscilloscopes 4–39017
Imbens, G., Kobisch, W. The alternative [PM 3267 100 MHz oscilloscope] 4–61420
Imber, B. *see* Wong, C.S. 4–44924
Imbertson, J.R. Emergency operation of failed motors 4–49845
Imbier, E. *see* Vessot, R.F.C. 4–37251
Imbrasene, B.Yu. *see* Yarulaitis, V.Yu. 4–62191
Imece, A.F., Gross, C.A. A comparative study of solutions to the maximum power point tracking problem for photovoltaic power conditioners 4–57371
Imecs, M. *see* Kelemen, A. 4–34647, 4–50018
Imenkov, A.N. *see* Bessolov, V.N. 4–42462
Imken, R.L. Analysis of cure behavior [in polymeric materials] 4–58079
Immediato, M.J. *see* Bucelot, T.J. 4–52206
Immemdorfer, M. Telephone understands language 4–48298
Immendorfer, M., Hormann, T., Kopp, D. Speech controlled telephone with electronic telephone register memory 4–60564
Immendorfer, M., Kopp, D., Thierer, G. SASP–a digital signal processor system for speech processing applications 4–60067
Immink, K.A.S. Coding for digital optical disc systems 4–44291
Immink, K.S. *see* Braat, J. 4–47307
Immorlica, A.A., Jr. Get a handle on power GaAs FETs 4–41578
Imon, K., Ishida, Y., Tokuda, M. Multiple fiber connector with an alignment hole 4–59254
Impellizzeri, F. *see* Conta, C. 4–56031
Imrich, W., Simoes-Pereira, J.M.S., Zamfirescu, C.M. On optimal embeddings of metrics in graphs 4–50663
Imura, T., Hiraki, A. Non-crystalline silicon thin film 4–46831
Imura, T., Kaya, H., Terauchi, H., Kiyono, H., Hiraki, A., Ichihara, M. Structure change of microcrystalline silicon films in deposition process 4–29515
In Baek Je *see* Je In Baek
Inaba, H., Ueda, A., Ando, T., Kurosawa, T., Sakai, Y., Shima, S. A new speed control system for DC motor using GTO converter and its application to elevator 4–57072
Inaba, H. *see* Chan, K. 4–55368
Inaba, H. *see* Gen-Ei, K. 4–31396
Inaba, H. *see* Harashima, F. 4–34776
Inaba, H. *see* Ito, H. 4–47456
Inaba, H. *see* Muto, S. 4–59456, 4–59457
Inaba, H. *see* Ogawa, Y. 4–42658
Inaba, H. *see* Okumura, K. 4–47356
Inaba, H. *see* Yamada, H. 4–47293
Inaba, H. *see* Yokoyama, H. 4–31397
Inaba, S. *see* Yatagai, T. 4–58945, 4–61600
Inaba, T. Performance of a fault current limiter with a new type of direct-cooled tubular element 4–56682
Inaba, T., Kuzuma, Y., Goda, Y. The basic principle and the breaking characteristics of the composite resistance commutation type DC load breaker 4–57276
Inabatani, T. *see* Higuchi, T. 4–47793
Inabe, Y. *see* Kawarada, K. 4–38403
Inabe, Y. *see* Ohno, T. 4–54553
Inada, H. *see* Miyamoto, T. 4–47790
Inada, K., Akerlund, J.-O. Two layer capacitor replaces batteries as auxiliary power source 4–36091
Inada, K. *see* Sanada, K. 4–52616
Inada, K. *see* Tanaka, S. 4–52676
Inada, T., Taka, S., Kodama, K. Ion bombarded-enhanced etching of indium phosphide 4–52022
Inada, T. *see* Taniike, H. 4–48083
Inafuku, A. *see* Aoki, T. 4–55593
Inagaki, H., Yamamoto, T. New model small size high speed facsimile–MF 2 4–32290
Inagaki, N., Yamakawa, S. High-speed coating and coating materials for optical fibers 4–52670
Inagaki, N. *see* Chida, K. 4–52590
Inagaki, N. *see* Miya, T. 4–38629, 4–52592
Inagaki, N. *see* Nakagawa, K. 4–42931
Inagaki, T. *see* Nakashima, M. 4–46747, 4–58645
Inagaki, Y. *see* Izumi, H. 4–29319
Inage, H., Kawai, S. Computer-controlled passenger elevators 4–62754
Inagi, M. *see* Onishi, K. 4–44378
Inaka, H. *see* Nakaoka, M. 4–57226
Inal, O.T. *see* Patel, S.N. 4–34945
Inamdar, H.P., Nema, R.S. Short-term ageing and residual life of polypropylene film 4–58567
Inami, T., Kodama, M., Taira, K., Kikuyama, N. Telegraph equations in tapered waveguides 4–42921
Inamura, M. *see* Yamagishi, K. 4–43463
Inari, T. *see* Adachi, M. 4–61601
Inari, T. *see* Kuroda, S. 4–62018
Inata, T. *see* Tatsuta, S. 4–30401
Inatsu, M., Kawamura, T., Kasai, S., Tominaga, T., Noguchi, H., Sakuraba, N. New ENG recording camera using a $^1/_4$-in. cassette 4–61044
Inazaki, K., Nangai, T., Kusano, Y., Okuno, Y., Fujimori, Y., Kimura, H. Blast furnace burden profile measurement by a giant pulse YAG laser 4–33464
Inbar, G.F., Noujaim, A.E. On surface EMG spectral characterization and its application to diagnostic classification 4–61795
Ince, I. *see* Barton, M.L. 4–31562
Incertis, F. A skew-symmetric formulation of the algebraic Riccati equation problem 4–46069
Incerto, R.J. *see* Freeman, L.B. 4–35916, 4–35992
Inculet, I.I., Hodgson, K.J. Electrostatic spraying of cattle by means of dual clouds 4–57663
Inculet, I.I., Hodgson, K.J., Millward, J.G. Cross current dual air electrostatic spray nozzle 4–57662
Inculet, I.I., Rowe, R.K. Generation of curvilinear electrostatic fields from parallel plane electrodes 4–53152
Inda, A. *see* Burciaga, D. 4–39823
Indefrey, H. *see* Hess, W. 4–59982
Indelicato, G. *see* Colombani, L. 4–38650
Inderbitzin, B.H. *see* Gysel, T. 4–45149
Indira, C.J. *see* Arul Raj, I. 4–34871
Indosova, V.M., Sukhvalo, S.V., Zub, E.M., Zhukov, E.G., Aminov, T.G., Kalinnikov, V.T. Preparation and properties of $FeCr_2S_4$ single crystals 4–29447
Indulkar, C.S., Kumar, P., Kothari, D.P. Sensitivity studies of the power line carrier channel with respect to the parameters of the coupling equipment 4–43923
Indulkar, C.S., Thiruvengadam, S. Control of switching surges in power systems 4–56672
Indulkar, C.S. *see* Srinivasan, N. 4–45059
Indutnyi, I.Z. *see* Kostyshin, M.T. 4–53100
Ineichen, H. *see* Homberger, E. 4–40780
Infante, B. *see* Sanders, A. 4–36761
Ing, H., Birnboim, H.C. A bubble-damage polymer detector for neutrons 4–55916
Ing, H., McCall, R.C., Jenkins, T.M., Warren, G.J. Identification of neutrons from the cooling water of a GeV electron accelerator 4–33657
Ing, H. *see* Cross, W.G. 4–55877
Inganas, O., Lundstrom, I. A photoelectrochromic memory and display device based on conducting polymers 4–47302
Ingebretsen, R.B., Stockham, T.G., Jr. Random-access editing of digital audio 4–33060
Ingebrigtsen, K. *see* Engan, H. 4–52379
Ingels, F. *see* Lupinetti, F. 4–54518, 4–61881
Ingemarsson, I. Critique of the security of public-key systems 4–43201
Ingemarsson, I., Ahlswede, R., Dueck, G Group codes generated by permutations 4–43138
Ingersoll, G.M. *see* Elliott, P.G. 4–45860
Inghilesi, M. *see* Morbidi, P. 4–55740
Inglesby, T. Integrating hardware and software for VLSI design 4–47069
Ingold, J. *see* Wardrip, C. 4–39331
Ingram, D. World of ideas: tuning the 20 meter beacon network 4–32629
Ingram, D. The Yaesu FT-102 HF transceiver 4–48395
Ingram, D. SSTV revisited 4–48581
Ingram, D. The ICOM IC-271A two meter transceiver 4–60672
Ingram, D. World of ideas: highlighting our new OSCAR 10 satellite 4–60739
Ingram, D. A look at the world around us. Joining today's SSTV action 4–61022
Ingram, D.G.W. *see* Takawira, F. 4–53630
Ingram, R.F. Performance of the locally optimum threshold receiver and several suboptimum nonlinear receivers for ELF noise 4–59770
Ingrey, S., MacLaurin, B. Auger studies on rapid grain boundary diffusion of Ge through Au 4–46973
Inguscio, M., Ioli, N., Moretti, A., Moruzzi, G., Roselli, P., Strumia, F. Triple resonance on the CH_3OH laser: asymmetry splittings and new lines 4–42571
Inguscio, M., Ioli, N., Moretti, A., Pellegrino, M., Strumia, F. Absorption of CH_3OH around waveguide CO_2 laser lines 4–42567
Ingwall, R. *see* Horner, J. 4–59614
Inigo, R.M., Collier, D.S., Aylor, J.H. Electric wheelchair efficiency study 4–62762
Inkin, A.I. Calculating circuital and potential magnetic fields in salient-pole electric machines 4–45384
Inkin, A.I. Analysis of salient pole electric machine eddy and potential magnetic fields 4–45416
Inkol, R. Hybrid design improves counters 4–41296
Inkol, R.J., Symons, K.D., Clarke, P.D. Design and implementation of FIR filter structures using standard cell techniques 4–58471
Inkol, R.J. *see* Walton, J.R. 4–32633
Innocent, P. *see* Wheeler, T. 4–60499
Ino, M., Togashi, M., Hirayama, M., Matsuoka, Y. Design and test for GaAs static RAM 4–51199
Ino, M. *see* Hirayama, M. 4–51228
Inohara, T. Development of aseismic ability evaluation method–diagnosis and therapy for a steel tower 4–34210
Inohira, S. *see* Sato, M. 4–36817
Inohira, S. *see* Shinmi, T. 4–59016
Inokuchi, S. *see* Matsuda, F. 4–60225
Inokuma, T., Taketa, Y., Haradome, M. The microstructure of RuO_2 thick film resistors and the influence of glass particle size on their electrical properties 4–58555
Inomata, K. *see* Takahashi, N. 4–46584
Inomata, K. *see* Yoshino, H. 4–36996
Inomata, N. *see* Matsumoto, H. 4–50977
Inomata, Y. *see* Bando, Y. 4–51726
Inomoto, Y. *see* Suzuki, A. 4–31246
Inomoto, Y. *see* Uji, T. 4–52821
Inose, H. *see* Asano, S. 4–32410
Inose, H. *see* Sakata, S. 4–43996
Inose, H. *{editor}* Telecommunication technologies 4–29124
Inou, N. *see* Umetani, Y. 4–39521
Inoue, A., Takahashi, Y., Hoshi, A., Mizutani, U., Masumoto, T. Application of an amorphous superconducting alloy in a liquid-helium level indicator 4–48869
Inoue, H. *see* Suto, T. 4–57823
Inoue, J. *see* Sakai, Y. 4–54447
Inoue, J. *see* Yamada, J. 4–58340
Inoue, K., Sakaki, H. A new highly-conductive (AlGa)As/GaAs/(AlGa)As selectively-doped double-heterojunction field-effect transistor (SD-DH-FET) 4–30621
Inoue, K. *see* Kawamata, T. 4–42262
Inoue, K. *see* Nakayama, H. 4–35411
Inoue, K. *see* Ohnaka, K. 4–33317
Inoue, K. *see* Yoshinaga, T. 4–33922
Inoue, M. Superlattice devices–applications of high speed electrons and hot electron effects 4–30406
Inoue, M. Cathodoluminescence efficiency of binary compound phosphors 4–31225
Inoue, M., Hishiyama, K. Trade off between information suppression effect and picture quality degradation by processing used in interframe coding 4–32019
Inoue, M., Homma, S., Naitoh, T., Sasano, K. Recent metrology reports 4–39276
Inoue, M., Matsuzawa, A., Sadamatsu, H., Kanda, A., Takemoto, T. 8b monolithic ADC 4–51343
Inoue, M., Nakajima, S. Two-dimensional magneto-transport in a new type of heterostructure, InP/*n*-AlInAs 4–46852

Inoue, M. *see* Hasegawa, T. 4—60971
Inoue, M. *see* Hishiyama, K. 4—32018
Inoue, M. *see* Nakajima, S. 4—52061
Inoue, M. *see* Yoroizawa, I. 4—47907
Inoue, N. Network digitalization and service integration 4—32604
Inoue, N. Telecommunications toward advanced information society—INS (Information Network System) 4—47986
Inoue, N., Yasuoka, Y. Infrared laser detection by antenna-coupled point contact Schottky diode 4—44515
Inoue, N. *see* Matano, M. 4—31199
Inoue, S. *see* Hieda, K. 4—35822
Inoue, S. *see* Okada, T. 4—42564
Inoue, T., Aoki, K. Automotive applications of microcomputers in Japan 4—62771
Inoue, T., Nakanishi, H., Sanada, H., Tezuka, Y. Throughput analysis of window data link control procedures 4—47710
Inoue, T., Nakanishi, K., Matsushita, S., Koganemaru, S., Ooshika, H. Performance simulation and optimization of an engine-vehicle system (exhaust after-treatment devices) 4—48689
Inoue, T., Shibata, K., Kato, K., Mikata, Y., Kashiwagi, M. Lateral epitaxy of Si films deposited in a UHV ambient by electron beam annealing 4—50793
Inoue, T., Tanaka, T., Konagai, M., Takahashi, K. Electronic and optical properties of *p*-type and amorphous silicon and wide band-gap amorphous silicon carbide films prepared by photochemical vapor deposition 4—36284
Inoue, T. *see* Fujisaki, H. 4—60010
Inoue, T. *see* Kaitsuka, T. 4—54677
Inoue, T. *see* Masamura, T. 4—38525
Inoue, T. *see* Onishi, K. 4—44378
Inoue, T. *see* Oota, I. 4—41188
Inoue, T. *see* Tezuka, Y. 4—50980
Inoue, T. *see* Ueno, F. 4—46349, 4—58157, 4—58158
Inoue, T. *see* Yasui, M. 4—56641
Inoue, T. *see* Yoshii, T. 4—47059
Inoue, Y., Tomita, T., Sakaki, M. Application of distributed instrumentation systems in the iron and steel process 4—57604
Inoue, Y. *see* Kano, H. 4—46934
Inoue, Y. *see* Usami, A. 4—50049
Inour, S.-i., Toyokura, N., Nakamura, T., Ishikawa, H. Phosphorus-doped molybdenum silicide for low-resistivity gates and interconnects 4—46983
Inouye, T. NMR imaging 4—44727
Inoyatov, A. *see* Briancon, C. 4—39488
Inozemtsev, K.I. *see* Vyatkin, A.P. 4—46854
Insarova, N.I. *see* Boiko, B.B. 4—42595
Inspektorov, E.M. Electrodynamic analysis of a reflector in the form of a system of parallel conductors (the E-mode case) 4—53281
Insuik, R.J., Christiansen, W.H. A radiatively pumped CW CO_2 laser 4—52891
Insulander, J., Johansson, H., Vestin, C.-G. Operation and maintenance in ISDN 4—43559
Insulander, J. *see* Eneborg, M. 4—54104
in't Veld, S. *see* Chapman, J.E. 4—59198
In't Veld, S.H., Aggarwal, I.D. Cable designs for military applications 4—52628
Into, K. *see* Sakama, Y. 4—54360
Inuishi, Y. *see* Koyama, J. 4—51860
Inuishi, Y. *see* Nakajima, S. 4—52061
Inuishi, Y. *see* Shirafuji, J. 4—30356
Inuishi, Y. *see* Yoshino, K. 4—52345
Inukai, T. *see* Campanella, S.J. 4—38515
Inuki, H., Wakai, N., Kuriki, I. Development of the computer program for predicting LF and MF sky-wave field strengths 4—31654
Inumaru, F. *see* Sato, N. 4—38355
Inuzuka, E. *see* Kinoshita, K. 4—61735
Inuzuka, E. *see* Saito, K. 4—51718
Inversen, W.R. Video-disk market finds success elusive 4—55054
Ioakimidis, N.I. A modified algorithm for the numerical solution of singular integral equations with index equal to 1 4—41026
Ioannou, D.E., Gledhill, R.J., Censlive, M. Determination of the lifetime of minority carriers in semiconductors from finely focused laser-beam induced-current decay 4—41810
Iocca, J.M. *see* Potts, R.W. 4—34028
Ioffe, M.I., Nekrasov, S.L. Portable device for diagnosis of logic circuits 4—29804
Iog, V.I. *see* Begal'skii, A.Ya. 4—49836
Ioilev, G.F. *see* Alekseev, G.S. 4—49077
Ioinovici, A., Horowitz, I., Yaniv, O. New approach to the synthesis of filters with parameter uncertainty 4—46544
Ioki, K. *see* Tomita, H. 4—62321
Ioli, N. *see* Inguscio, M. 4—42567, 4—42571
Ionescu, A. *see* Ristici, M. 4—52915
Ionescu, D.C. *see* Danila, N. 4—34363
Ionescu, M.G. A scheme for using selsyns as linear transducers of the angle of rotation, with alternating voltage 4—49909
Ionescu, Tr.-G., Bilegan, L. The automatic planning of distribution networks 4—39846
Ionev, S.S., Rukhman, E.L., Sovetov, B.Ya. Estimation of efficiency of adaptive-control algorithms in data communication network 4—48179
Ionov, A.G., Laptev, A.A., Chernyshov, S.K. Calculating parameters of transmission of tubular-conductor coaxial cables over a wide frequency band 4—54609
Ionova, R.N. *see* Brazhnikov, A.E. 4—50244
Iontachev, B.A., Popokov, L.G., Vassilev, I.N. Linear screw drive electric motor 4—49908
Iordache, M. Analysis algorithm and computer program for complex nonreciprocal electric resistive networks 4—46291
Iordache, M. *see* Cristea, P. 4—35592
Iordan, G.G., Vel't, I.D., Zholkov, Yu.A., Kurnosov, N.M. Principles of calibration simulation and calibration tests in process parameter transducers 4—39155
Iordanoshvili, E.K. *see* Belousova, T.Ya. 4—49072
Iorgov, V.I. Binary self-dual codes with automorphisms of odd order 4—59944
Iori, M. *see* Bizzarri, R. 4—55976
Iossel', Yu.Ya. *see* Ivliev, E.A. 4—51563
Iossel', Yu.Ya. *see* Ivliev, Ye.A. 4—56548
Ip, W., Chiu, T.-L., Wu, T.C., Perlegos, G. 256 Kb CMOS EPROM 4—58343
Ippen, E.P. *see* Fujimoto, J.G. 4—37419
Ippen, E.P. *see* Wintner, E. 4—41830
Ippolito, G., Saitta, L. Automatic learning of fuzzy production rules for stop sound in continuous speech 4—59951
Ipri, A. *see* Jastrzebski, L. 4—30792
Ipri, A.C. *see* Faraone, L. 4—30809
Iqbal, T., Hogarth, C.A. Further studies on the electroforming of thin films of evaporated polypropylene 4—41920
Irabu, T. *see* Sekine, M. 4—53633
Irber, A., Trondle, K. Coding for total removal of intersymbol interference at the receiver in digital data transmission systems 4—31861
Ireland, P.J. *see* Kazmerski, L.L. 4—50046
Ireland, W. Cost savings by establishing life limits 4—46027
Irene, E.A. An overview of the kinetics of oxidation of silicon: the very thin SiO_2 film growth regime 4—30554
Iri, E. *see* Hirashima, T. 4—52674
Iribarnegaray, L.S. Asynchronous motors regulation: a constant input voltage inverter 4—62623
Irie, F. *see* Enpuku, K. 4—31079, 4—58334
Irie, F. *see* Kawashima, T. 4—42284
Irie, T. *see* Nakanishi, H. 4—51809
Irii, H., Kakehi, K. Realization of objective telephone loudness rating instrument 4—32516
Irimie, N. *see* Preda, G. 4—50344
Iring, R. Economic energetic utilization of waste materials in wood industry 4—62882
Irisa, T., Takata, S., Ueda, R., Sonoda, T. On reliability of induction machine for high performances based on parameter characteristics 4—57042
Irisa, T., Takata, S., Ueda, R., Sonoda, T., Mochizuki, T. A novel approach on parameter self-tuning method in AC servo system 4—57091
Irisa, T. *see* Sonoda, T. 4—49974
Irisa, T. *see* Ueda, R. 4—50137
Irisova, N.A. *see* Vinogradov, Ye.A. 4—33319
Irmer, J. *see* Guendel, H. 4—47423
Irmer, R. Spiral resonators for PCM clock extraction 4—35680
Irmler, R., Freiburger, G. The design of networks with the K 1002 4—58115
Irmscher, K. *see* Loffler, H. 4—45872
Irven, J. *see* Marshall, A. 4—52683
Irven, R.S. *see* Faith, T.J. 4—36692
Irven, R.S. *see* Faith, T.J., Jr. 4—59031
Irvin, D.R. TDHS preprocessing compression selectively applied to sub-band speech coders 4—43264
Irvin, D.R. Variable-rate time-domain harmonic scaling speech communication system 4—43326
Irvine, S.J.C., Tunnicliffe, J., Mullin, J.B. A study of transport and pyrolysis in the growth of $Cd_xHg_{1-x}Te$ by MOVPE 4—35485
Irvine, S.J.C., Tunnicliffe, J., Mullin, J.B. The growth of highly uniform cadmium mercury telluride by a new MOVPE technique 4—46218
Irving, M.R. *see* Sterling, M.J.H. 4—62111
Irving, R.H. *see* Avanessians, A.A. 4—54499
Irwin, D., Mitchell, J.R. A simulation of a digital adaptive notch filter 4—51474
Irwin, H.R. Monitoring satellite channel performance—an automatic system based on the HP 8568A spectrum analyzer 4—44427
Irwin, R. Improvements in the accuracy of spectrum analysers 4—39121
Irza, J. *see* Lindgren, A.G. 4—44156
Isaac, R. *see* Chuang, C.T. 4—36545
Isaac, R.D. *see* Chicotka, S. 4—52270
Isaac, R.D. *see* Stork, J.M.C. 4—36811
Isaacs, J.C., Jr. Distortion analysis of a digitally implemented FM receiver 4—32660
Isaacson, S.R. Tricks of the teletext trade 4—54230
Isaenko, F.I., Sazhin, V.V., Kopanskii, A.G., Dimitrov, T.V. Piezoelectric instrument transducers for nondestructive inspection 4—55432
Isaev, A.I., Guseinov, T.M., Mekhtieva, S.D., Abdinov, D.Sh. Negative photoconductivity in selenium single crystals 4—30309
Isaev, G.A. *see* Filatov, V.V. 4—56280
Isaev, M.P. *see* Zharikov, E.V. 4—42603
Isaka, K. *see* Chiba, A. 4—50450
Isaka, M. *see* Funakoshi, K. 4—30718
Isakov, I.M. *see* Baranov, V.Yu. 4—59450
Isawa, N. *see* Hoshi, K. 4—46207
Isayev, V.A. *see* Vaynshteyn, L.A. 4—41760
Isberg, R.A., Turrell, D. Applying CATV technology and equipment in guided radio systems 4—60667
Isbert, A.C. Design of loudspeaker systems: theoretical basis. I 4—48655
Isbert, J. *see* Bouzinac, J.P. 4—53018
Iscoff, I. Surface mounting technology impacts PC equipment 4—30187
Iscoff, R. Computers earn their keep in PC manufacturing 4—30180
Iseki, Y., Watanabe, H., Shimizu, H. Piezoelectric ceramic resonators using the edge-mode vibration 4—42206
Iselborn, Kl.-W., Weiss, P. Conductor of circular cross-section for reduction of eddy current losses 4—51551
Isett, L.C. Annealing of CdS/CdTe solar cells 4—40439
Isett, L.C. Photocapacitance and current collection in CdS/CdTe thin-film solar cells 4—45647
Ishaq, M. *see* Koburger, C.W. 4—42166
Ishaq, M.H. *see* Hallock, D. 4—30563
Ishchenko, L.A. *see* Babenko, F.M. 4—62491
Ishchuk, A.A. *see* Kapilevich, B.Yu. 4—36022
Ishchuk, N.F. *see* Naidich, Yu.V. 4—29242
Ishi, I. *see* Sasaki, S. 4—57844
Ishibashi, K., Ishiwara, H., Furukawa, S. Study on formation of solid-phase-epitaxial $CoSi_2$ films and patterning effects 4—41066
Ishibashi, R. *see* Takashima, T. 4—39946
Ishibashi, S. An analysis of response characteristics with nonlinear effects in transistor circuits 4—50923
Ishibashi, T. *see* Ito, H. 4—47013
Ishibashi, Y. An LC simulation active RC low-pass notch filter by minimum number of capacitors 4—58445
Ishibashi, Y. *see* Shiotani, T. 4—54202
Ishibori, K., Mita, N., Yamamoto, K. A 10 W, 20 GHz-band travelling-wave tube amplifier for communications satellite 4—38530
Ishida, A. Present and future of Josephson computer technology 4—46401
Ishida, A., Yamamoto, M., Miyahara, K., Yamauchi, Y. Circuit design for a fully-decoded high-speed Josephson 1K-bit RAM 4—29879
Ishida, A. *see* Fujiyasu, H. 4—51854
Ishida, A. *see* Hohkawa, K. 4—46419, 4—51163, 4—51369
Ishida, A. *see* Miyahara, K. 4—47216
Ishida, A. *see* Miyazaki, S. 4—44710
Ishida, A. *see* Tokumitsu, M. 4—52512
Ishida, A. *see* Yamada, H. 4—35748, 4—46540
Ishida, A. *see* Yamauchi, Y. 4—29878, 4—41251
Ishida, E. *see* Takashima, Y. 4—53162
Ishida, E. *see* Yamashita, N. 4—33316
Ishida, H., Matada, M., Hiyama, K. A hierarchical common bus structure for multi-minicomputer systems 4—60532
Ishida, I. *see* Wada, Y. 4—52511
Ishida, K., Numata, T. FM direct stereo decoder 4—54985
Ishida, K. *see* Hara, T. 4—39800
Ishida, K. *see* Ohta, T. 4—40671
Ishida, K. *see* Ozaki, S. 4—57436
Ishida, K. *see* Tasaka, S. 4—48437
Ishida, K. *see* Yokokawa, S. 4—39801
Ishida, M., Iwata, K. A method to control induction motor speed by utilizing rotor subharmonics 4—57008
Ishida, S. *see* Ishii, Y. 4—47028, 4—52104
Ishida, S. *see* Nanishi, Y. 4—52288
Ishida, T. *see* Kato, H. 4—39577
Ishida, T. *see* Kimura, M. 4—56842
Ishida, T. *see* Matsumoto, T. 4—29474, 4—50787
Ishida, T. *see* Nakamura, H. 4—30652
Ishida, T. *see* Sano, Y. 4—47024
Ishida, T. *see* Sato, T. 4—55023
Ishida, T. *see* Takahashi, T. 4—53472
Ishida, T. *see* Tsushima, S. 4—53163
Ishida, Y. Dye laser 4—42584
Ishida, Y., Harada, K., Ohashi, M. Performance of field installed optical cable for use in the F-400M system 4—38625
Ishida, Y., Ohashi, M., Uesugi, N., Shibata, N. Transmission characteristics of a single-mode fiber in the 1.3-μm wavelength region 4—52565
Ishida, Y. *see* Imon, K. 4—59254
Ishida, Y. *see* Mitsunaga, Y. 4—31123, 4—42354
Ishida, Y. *see* Ohashi, M. 4—52578
Ishigami, A., Sawabe, Y., Nomura, H. Semi-prefabricated system for medium size exchange buildings 4—38384
Ishiguro, G., Yano, N. A new magnetic card for public telephone service 4—37030
Ishiguro, G. *see* Kaihara, M. 4—38356
Ishiguro, H. *see* Sawa, K. 4—31253
Ishiguro, K. *see* Akiyama, T. 4—48934
Ishiguro, T. *see* Nakamura, K. 4—32505
Ishihara, E. Autopilot subsea cable system inspection device (Marcas) 4—32620

Ishihara, H., Makita, K., Sugimoto, Y., Torikai, T., Taguchi, K. High-temperature aging tests on planar structure InGaAs/InP PIN photodiodes with Ti/Pt and Ti/Au contact 4−52793
Ishihara, H. *see* Sugimoto, Y. 4−52792
Ishihara, K. Monotone explicit iterations of the finite element approximations for the nonlinear boundary value problem 4−41002
Ishihara, K. On numerical asymptotic behavior of finite element solutions for parabolic equations 4−57990
Ishihara, K., Katayama, S., Watanabe, T., Seto, M., Matsuyama, I. AC drive system for tension reel control 4−57607
Ishihara, K., Nishiya, K.-I., Hasegawa, J., Fujiwara, H. A method to find multisolutions of load flow in electric power systems 4−56549
Ishihara, K., Tsuge, K., Mizuno, Y., Shimizu, N., Kosaki, M., Horii, K. V-t characteristics and partial discharge degradation of polymer film immersed in liquid helium [superconducting cables] 4−52341
Ishihara, K. *see* Hashimoto, K. 4−44121
Ishihara, K. *see* Kawata, O. 4−42382, 4−42397
Ishihara, K. *see* Murakami, Y. 4−38633
Ishihara, K. *see* Noguchi, K. 4−38636
Ishihara, K. *see* Ohnishi, M. 4−59252
Ishihara, K. *see* Yoshizawa, N. 4−42395
Ishihara, M. *see* Asahi, K. 4−39417
Ishihara, M. *see* Endo, A. 4−58320
Ishihara, N., Arai, R., Kohriki, T., Ujiie, N. Proposed high-resolution vertex detector using superconductive thin strips 4−55819
Ishihara, N. *see* Eguchi, T. 4−44905
Ishihara, N. *see* Iwashita, K. 4−44085
Ishihara, S. *see* Hirosaki, B. 4−53774
Ishihara, S. *see* Yumoto, J. 4−47295
Ishihara, T. *see* Morita, M. 4−52020
Ishihara, T. *see* Noyori, M. 4−52293
Ishihara, T. *see* Tanigawa, H. 4−61359
Ishihara, T. *see* Yasumoto, M. 4−51407
Ishihara, Y., Tanigaki, K. A high photosensitivity IL-CCD image sensor with monolithic resin lens array 4−39077
Ishihara, Y. *see* Kobayashi, H. 4−44106
Ishihara, Y. *see* Oda, E. 4−39078
Ishii, J., Sugiura, Y., Suehiro, Y. A gate array CAD system and future tasks in the field 4−30782
Ishii, K., Kubo, T. A small intelligent switching system using modular distributed control architecture 4−32589
Ishii, K., Yamawaki, H., Kashiwagi, S., Yamashita, E. A 900 MHz 100 W CW mesh emitter type transistor with PHS structure 4−36558
Ishii, K. *see* Yamazaki, Y. 4−38409
Ishii, M., Akbar, M., Kawamura, T. Effect of ambient temperature on the performance of contaminated DC insulators 4−45146
Ishii, M. *see* Matsumoto, T. 4−30827
Ishii, M. *see* Naritsuka, S. 4−30322
Ishii, N. *see* Hattori, N. 4−43467
Ishii, N. *see* Nagaoka, S. 4−34202
Ishii, N. *see* Yokoyama, K. 4−53859
Ishii, O., Hatakeyama, I. Os-doped γ-Fe_2O_3 thin films having high coercivity and high coercive squareness 4−30963
Ishii, O., Yoshimura, F., Terada, A. Perpendicular magnetic anisotropy in γ-$(Fe_{1-x}Os_x)_2O_3$ thin films 4−47175
Ishii, O. *see* Ohta, S. 4−59139
Ishii, T.K. Theoretical analysis of arcing structure in microwave ovens 4−40603
Ishii, T.K. *see* Chen, Y. 4−55652
Ishii, Y., Aoki, T., Miyazawa, S. Silicon nitride film deposition by hot-wall plasma-enhanced CVD for GaAs LSI 4−36691
Ishii, Y., Homma, Y., Ikeda, K., Takaoka, H. Characterization of impurities and microdefects in GaAs 4−51773
Ishii, Y., Miyazawa, S., Ishida, S. Threshold voltage scattering of GaAs MESFETs fabricated on LEC-grown semi-insulating substrates 4−47028
Ishii, Y., Miyazawa, S., Ishida, S. Characterization of thin active layer on semi-insulating GaAs by mapping of FET array performance 4−52104
Ishii, Y., Murata, K. Flat-field linearized scans with reflection dichromated gelatin holographic gratings 4−53089
Ishii, Y. *see* Miyazawa, S. 4−52105
Ishii, Y. *see* Namikawa, H. 4−50808
Ishii, Y. *see* Nanishi, Y. 4−52288
Ishii, Y. *see* Yamazaki, H. 4−30349, 4−52287
Ishijima, T. *see* Terada, K. 4−58324, 4−59029
Ishikawa, A. Stationary waiting time distribution in a GI/E_k/m queue 4−57905
Ishikawa, A. *see* Kawamoto, H. 4−51728
Ishikawa, H. *see* Inour, S.-i. 4−46983
Ishikawa, H. *see* Kato, M. 4−38194
Ishikawa, H. *see* Kato, T. 4−30800
Ishikawa, H. *see* Ozawa, K. 4−51969
Ishikawa, H. *see* Takiue, M. 4−33663
Ishikawa, H. *see* Yuki, K. 4−38228
Ishikawa, J., Takeiri, Y., Tsuji, H., Taya, T., Takagi, T. Neutral and ionized alkaline metal bombardment type heavy negative-ion source (NIABNIS) 4−49063
Ishikawa, K., Hashimoto, K., Takezoe, H., Fukuda, A., Kuze, E. A practical method of preparing thin homogeneous ferroelectric smectic cells for electro-optical microsecond switches. II. Sm A liquid crystal growth under a temperature gradient 4−37176
Ishikawa, K., Tomoda, W., Toyoda, K. A hysteresis curve tracer using a single-board microcomputer 4−55638
Ishikawa, M. *see* Higashisaka, A. 4−42138
Ishikawa, M. *see* Nakamura, K. 4−52445
Ishikawa, N., Totsuka, K., Motomura, F. Optical fiber cable laying work in Thailand 4−32816
Ishikawa, R., Hayashi, T., Horiuchi, N., Kaminosono, H., Shimotake, H., Nelson, P.A. Design optimization of advanced battery energy storage systems for utility networks 4−40516
Ishikawa, R. *see* Kaede, K. 4−42344, 4−52555
Ishikawa, S., Shimizu, M., Uno, T. Development of fully automatic high-speed open-die forging machine 4−50242
Ishikawa, S. *see* Ibaraki, A. 4−42626
Ishikawa, Y., Niiro, Y., Takai, K., Wakabayashi, H. 7000 m deep sea trial of Os-280M optical-fibre submarine cable system 4−43921
Ishikawa, Y. *see* Matsumoto, S. 4−41828
Ishikawa, Y. *see* Takeuchi, H. 4−56090
Ishikura, K. *see* Achiha, M. 4−46599
Ishimaru, H. All-aluminum-alloy ultrahigh vacuum system for a large-scale electron-positron collider 4−55784
Ishimaru, H. *see* Watanabe, F. 4−49037
Ishimaru, K. *see* Ohta, N. 4−38526
Ishimaru, K. *see* Sawakuri, T. 4−38192
Ishimine, T. Ionospheric heating experiments by means of HF band radiowaves 4−31653
Ishimoto, A. *see* Ueoka, Y. 4−51209
Ishimura, N. A study of the point reduction in digital maps. II 4−43297
Ishinbaev, N.A. *see* Sapel'nikov, V.M. 4−33425
Ishio, H. *see* Koyama, M. 4−44098
Ishioka, H. *see* Tsuchida, S. 4−30785
Ishioka, S. *see* Kusano, C. 4−36230
Ishitani, A., Endo, N., Tsuya, H. Local loading effect in selective silicon epitaxy 4−50755
Ishitani, A. *see* Endo, N. 4−36850, 4−59028
Ishitani, T., Umemura, K., Tamura, H. Development of phosphorus liquid-metal-ion source 4−49062
Ishitani, T. *see* Tamura, M. 4−51982
Ishitsu, M. *see* Nakagiri, K. 4−33416
Ishitsu, M. *see* Urabe, S. 4−33418
Ishitsuka, A. *see* Yoshida, Y. 4−33387
Ishiwara, H. E-beam recrystallized SOI 4−50794
Ishiwara, H. *see* Asano, T. 4−41054
Ishiwara, H. *see* Ishibashi, K. 4−41066
Ishiwara, H. *see* Yamamoto, H. 4−50792
Ishiyama, A. *see* Onuki, T. 4−53149
Ishizaka, A., Shiraki, Y. Formation of embedded monocrystalline $NiSi_2$ grid layers in silicon by MBE 4−58025
Ishizaka, A., Shiraki, Y., Nakagawa, K., Maruyama, E. Ultra-smooth heteroepitaxial $NiSi_2$ films on silicon grown by molecular beam epitaxy 4−41067
Ishizaka, M. *see* Ikeda, K. 4−32406
Ishizaki, S. Dynamic processing of coarticulation in asymmetric continuous speech 4−43208
Ishizeki, M., Ogawa, Y. DX series, an advanced office communications system 4−48349
Ishizoe, R. *see* Nakashima, T. 4−57818
Ishizone, T. *see* Horiguchi, S. 4−42932
Ishizuchi, H. *see* Furukawa, O. 4−35327
Ishizuka, M. Dempster and Shafer's theory 4−43022
Ishizuka, M., Yasuda, Y. Improved coherent detection of GMSK 4−37825
Ishizuka, S., Kitaji, S. Light source and optical fiber coupling modules 4−32811
Ishizuka, S. *see* Fujita, T. 4−42624, 4−42649
Ishmuratov, I.A. *see* Avrutik, A.M. 4−61214
Ishutkin, Yu.M. Some features of sound signal restoration by means of its envelope and instantaneous frequency 4−43362
Isidorovic, R. Electromagnetic machine 4−34597
Isikawa, K. *see* Muraoka, Y. 4−54042
Iskander, M.F., DuBow, J.B. Time and frequency domain techniques for measuring the dielectric properties of rocks: a review 4−39274
Iskander, M.F., Durney, C.H. Microwave methods of measuring changes in lung water 4−44730
Iskander, M.F., Durney, C.H., Grnage, T., Smith, C.S. Radiometric technique for measuring changes in lung water 4−44725
Iskander, M.F. *see* Bansal, R. 4−31626
Iskhakov, A.S. Selection of discrete variables in rectifier stability analysis 4−45507
Iskhakov, A.S., Manoilenko, A.N., Rozhkov, A.I. A static voltage stabilization system for synchronous generator with excitation by third harmonic of magnetic field 4−34623
Iskhakov, T. *see* Romanovskii, E.A. 4−49075, 4−61699
Ismaelli, A. *see* Bruscaglioni, P. 4−31677
Ismail, A., Palau, J.M., Lassabatere, L. Metal/InP interface and Schottky diode formation 4−30426
Ismail, A., Palau, J.M., Lassabatere, L. Chemical etching and annealing induced GaAs(100) surface properties 4−30519
Ismail, A., Palau, J.M., Lassabatere, L. Oxygen and temperature induced modification on GaAs cleaved surface and GaAs-metal Schottky diodes 4−30596
Ismail, M. An alternative implementation of the leap-frog active-RC ladder realization and its practical merits 4−41466
Ismail, M., Soliman, A.M. A new active compensated differential integrator without matched operational amplifiers 4−35957
Ismail, M.A. *see* Selim, S.Z. 4−60217
Ismail, S. *see* Browell, E.V. 4−61931
Ismailov, F.I. *see* Abdinov, D.Sh. 4−51774
Ismailov, I.K. *see* Abdinov, D.Sh. 4−51774
Ismailov, Sh.M. *see* Amirkhanov, Kh.I. 4−58740
Ismailov, Sh.Yu., Abdullaev, I.M., Mamedov, N.Ya. Problem of sampling in numerical signal integration 4−53617
Ismailov, T.K. *see* Aliev, I.M. 4−30583
Ismailzade, I.H. *see* Hagiyev, M.S. 4−47149
Isobe, M., Matsunaga, J., Sakurai, T., Ohtani, T., Sawada, K., Nozawa, H., Iizuka, T., Kohyama, S. A 46 ns 256K CMOS RAM 4−51307
Isobe, M. *see* Murasaki, K. 4−48079
Isobe, S. *see* Kaijima, M. 4−42993
Isobe, S. *see* Saito, K. 4−51718
Isoda, H. Optimal allocation of active and reactive powers taking into account the operational constraints 4−56426
Isoda, Y. *see* Suzuki, A. 4−31246
Isoda, Y. *see* Uji, T. 4−52821
Isogai, Y., Yokose, T., Maeda, T., Akiyama, M., Onogi, S., Masuda, T., Ohmachi, T., Iwamoto, S. The OP-rheometer system, a new device for analysis of viscosity and viscoelasticity of blood: description and clinical application 4−61756
Isono, A. *see* Abe, S. 4−39789
Isono, H. A new objective method of evaluating image sharpness 4−48549
Isotalo, H. *see* Gyllenberg-Gastrin, U. 4−36289
Isoya, A. *see* Korschinek, G. 4−33591
Isoyama, A. *see* Sato, M. 4−54163
Isozaki, K. Commercial CAPTAIN system 4−32315
Isozaki, K., Shibui, M. Expectation for CAPTAIN's commercial service is rising 4−48105
Isozaki, K. *see* Nakajima, H. 4−32320
Isozumi, S. *see* Ueda, O. 4−35476, 4−37359, 4−50756
Isozumi, S. *see* Wakao, K. 4−37363, 4−42615
Ispasoiv, G. *see* Feru, V. 4−61399
Israel, M., Cyzs, B., Lavi, L., Navon, E. Polar and cylindrical near-field measurements 4−37721
Israel, M. *see* Baraban, L. 4−36788
Israel, M.H. Detectors of ultraheavy cosmic rays 4−55852
Israel Galin A waveguide Gunn oscillator structure for millimeter-wave applications 4−58526
Israelson, R. *see* Chan, H.T. 4−37978
Israelsson, Y.E., Gould, C.M. High-field magnetic for low-temperature low-field cryostats 4−52517
Issel, W. *see* Buchner, U. 4−36655
Isshiki, K. *see* Kumabe, H. 4−53015
Isshiki, N., Nikai, I., Kamoshida, J. Heat transfer in thermochemical energy conversion system utilizing aqueous solution of inorganic salts 4−50114
Issler, W. *see* Demler, T. 4−56746
Istefanopulos, Y. *see* Aktar, M. 4−53730
Istomin, Yu.A. *see* Beruchev, N.G. 4−61603
Istomin, Yu.A. *see* Vecherkovskii, V.V. 4−49998
Istrate, S. *see* Pasnicu, C. 4−31023
Isuskiza, M.Echevarria *see* Echevarria Isuskiza, M.
Isyanova, E.D. *see* Al'tshuler, G.B. 4−31347
Itagaki, S. *see* Sawada, T. 4−52103
Itahashi, S., Ohmura, H., Mikuni, I., Hayamizu, S. On the composition of a speech database−an examination of sampling rate conversion methods 4−43213
Itahashi, S., Yokoyama, S. On vocabulary reduction by specifying phonemes in words 4−43210
Itahashi, S. *see* Hayamizu, S. 4−43228
Itai, A., Pradhan, D.K. Synthesis of directed multicommodity flow networks 4−41145
Itaka, K. *see* Deschamps, L. 4−62130
Itaka, K. *see* Memita, N. 4−45128
Itakura, F. *see* Honda, M. 4−47797
Itakura, S., Kodaira, K., Fukinuki, H., Sawakuri, T. Digital local network configuration and service quality 4−38161
Itakura, Y. *see* Tsutsumi, S. 4−45723
Ital'yantsev, Yu.F., Sokolov, L.D., Guschin, A.N., Pekus, A.A. A method of load recording in fatigue tests 4−35526
Itano, W.M. *see* Bollinger, J.J. 4−39002
Itaya, Y., Matsuoka, T., Kuoriwa, K., Ikegami, T. Longitudinal mode behaviours of 1.5 μm range GaInAsP/InP distributed feedback lasers 4−37370
Iticsohn, P. Integrated circuit CAD: The Megalogician; simulation of up to one million gates 4−29778

Iticsohn, P. Factor: for a voluntaristic scenario in heterogeneous context [industrial local network] 4—32375
Ito, A., Gast, L.K., Coston, W.T., Lowther, R.E., Webb, R.W., George, E.W. A Statistical Process and Device Simulator (SPADS) 4—36786
Ito, A., Ohkawa, S., Yamamoto, H. On a measurement method of the tensor permeability of ferrite using Faraday rotation 4—33439
Ito, A. *see* Hayashi, Y. 4—35505
Ito, A. *see* Ito, H. 4—42909
Ito, C. *see* Muto, S. 4—59456, 4—59457
Ito, F., Fujimoto, K., Kurihara, N., Nishimura, A., Kobayashi, K., Sema, T. A combustion monitoring and evaluation system for large utility boilers 4—45278
Ito, F., Takazawa, K., Terayama, T. Development of a demonstration power plant by ocean thermal energy conversion (OTEC) 4—34497
Ito, H., Ishibashi, T., Sugeta, T. High-frequency characteristics of AlGaAs/GaAs heterojunction bipolar transistors 4—47013
Ito, H., Ito, A. Electromagnetic wave propagation in a medium with a progressive sinusoidal fluctuation 4—42909
Ito, H., Komagata, N., Yamada, H., Inaba, H. Novel structure of laser diode and light-emitting diode realised by coaxial transverse junction (CTJ) 4—47456
Ito, H., Oka, M., Ogino, T., Takeda, A., Mizushima, Y. Selenium thin-film solar cell 4—57346
Ito, H., Ono, K. Silicon *PN* junction passivation film formed in HF-NO_2 mixed gas. II. Formation mechanism of a fine crystalline silicon stain film 4—58866
Ito, H. *see* Chan, K. 4—55368
Ito, H. *see* Chao, V.W. 4—51947
Ito, H. *see* Davis, C.R. 4—47234
Ito, H. *see* Gen-Ei, K. 4—31396
Ito, H. *see* Hatanaka, M. 4—50827
Ito, H. *see* Imai, Y. 4—50992
Ito, H. *see* Nakanishi, M. 4—60766
Ito, H. *see* Ogawa, Y. 4—42658
Ito, H. *see* Ogino, T. 4—42048
Ito, H. *see* Okumura, K. 4—47356
Ito, H. *see* Oyama, T. 4—56496
Ito, H. *see* Taniguchi, K. 4—43466
Ito, H. *see* Uetake, I. 4—41135
Ito, H. *see* Yamada, H. 4—47293
Ito, H. *see* Yokoyama, H. 4—31397
Ito, K. Circularly polarized printed array antenna composed of end-fed strip dipoles and slots 4—42994
Ito, K., Akagi, S., Bando, H. An optimal planning method of marine heat and power generation plants considering its operational problem 4—45035
Ito, K., Suzuki, Y., Pak, P.S. Total planning of combined district heating, cooling and power generation systems for a new town. II 4—40059
Ito, K., Tsuboi, T., Endo, Y., Usuki, T. Fujithermo magnet wire 4—36107
Ito, K., Ueda, K., Nakano, K., Chabata, S., Iizuka, H., Miyako, H. Long term evaluation of self-bonding magnet wire for hermetic motor system 4—36109
Ito, K. *see* Ara, K. 4—55404
Ito, K. *see* Hanita, A. 4—56934
Ito, K. *see* Nakazawa, T. 4—58049
Ito, K. *see* Sekikawa, K. 4—54827
Ito, K. *see* Suzuki, Y. 4—40058
Ito, K. *see* Tokumasu, T. 4—56929
Ito, K. *see* Yamada, H. 4—56962
Ito, M., Kume, H., Oba, K. Computer analysis of the timing properties in micro channel plate photomultiplier tubes 4—36232
Ito, M., Otani, N., Ueda, T. Digital-type multiplexed-function protective-relay equipment 4—34223
Ito, M., Yasuda, T., Yokoyama, S., Aoyama, M. Data communication processing program structure 4—54043
Ito, M. *see* Shibata, S. 4—44551
Ito, M. *see* Tomita, S. 4—60460
Ito, N. *see* Krishnasawamy, M.R. 4—33735
Ito, R., Ogasawara, N. Modal behavior of semiconductor lasers studied using transient temperature variation induced by pulsed current 4—52986
Ito, R. *see* Ogasawara, N. 4—59514
Ito, S. Analysis of scalar wave scattering from slightly rough surfaces: a multiple scattering theory 4—42836
Ito, S., Ohba, K., Shoji, T., Koga, H., Hiratate, Y. Gamma-ray irradiation effects on the rise time of Au-Si nuclear detectors 4—33713
Ito, S. *see* Endo, A. 4—58320
Ito, S. *see* Kato, H. 4—58293
Ito, S. *see* Miyahara, A. 4—34324
Ito, S. *see* Mizuno, T. 4—60427
Ito, S. *see* Murakami, K. 4—42857
Ito, S. *see* Tsuiki, H. 4—30178
Ito, S. *see* Yamada, K. 4—31012
Ito, T., Nakayama, Y. Reaction between hydrogenated amorphous silicon and aluminum film 4—46982
Ito, T. *see* Hijiya, S. 4—58332
Ito, T. *see* Horie, H. 4—42091
Ito, T. *see* Kato, T. 4—30800
Ito, T. *see* Kugawa, Y. 4—62894
Ito, T. *see* Ohira, Y. 4—57330
Ito, T. *see* Ozawa, K. 4—51969
Ito, T. *see* Sakaki, Y. 4—57139
Ito, T. *see* Sato, T. 4—33420
Ito, T. *see* Shinohara, M. 4—51772
Ito, T. *see* Tamura, T. 4—32379
Ito, Y. Recent trends in the Japanese telecommunications policies 4—32153
Ito, Y., Kanehori, K., Miyauchi, K. Thin film lithium cell 4—57305
Ito, Y., Shimohashi, A., Yamamoto, T., Tanikawa, K. A meander channel CCD infrared imager with a platinum silicide Schottky barrier 4—55227
Ito, Y., Takahashi, S. An improved spin-flip switching system for neutron spectral modulation 4—39393
Ito, Y. *see* Fukuda, B. 4—31026
Itoga, T. *see* Takaoka, S. 4—30371
Itoh, A. *see* Gotoh, K. 4—54502
Itoh, A. *see* Nakamura, K. 4—52445
Itoh, H., Miyauchi, A., Ozawa, S. Distance measuring method using only simple vision constructed for moving robots 4—44615
Itoh, H., Nakamichi, M. SbEC-DbED codes derived from experiments on a computer for semiconductor memory systems 4—43007
Itoh, H., Okabe, T., Nagata, M. Extremely high efficient UHF power MOSFET for handy transmitter 4—36622
Itoh, H. *see* Honma, N. 4—51745
Itoh, H. *see* Murakami, K. 4—51973
Itoh, H. *see* Nakahara, M. 4—31115
Itoh, H. *see* Ozawa, T. 4—51237
Itoh, H. *see* Tokiguchi, K. 4—40480
Itoh, H. *see* Yamamoto, F. 4—42360
Itoh, J. *see* Fujiwara, O. 4—41648
Itoh, J. *see* Gotoh, T. 4—59001
Itoh, K., Bockris, J.O'M. Stacked thin-film photoelectrode using iron oxide 4—52768
Itoh, K., Hori, R., Etoh, J., Asai, S., Hashimoto, N., Yagi, K., Sunami, H. An experimental 1 Mb DRAM with on-chip voltage limiter 4—51249
Itoh, K., Kitawaki, N., Kakehi, K. Objective quality measures for speech waveform coding systems 4—53476
Itoh, K. *see* Hamada, M. 4—31016
Itoh, K. *see* Kitawaki, N. 4—38418
Itoh, K. *see* Kondo, M. 4—50186
Itoh, K. *see* Nishizawa, J. 4—37244
Itoh, K. *see* Schibuya, N. 4—41688
Itoh, K. *see* Sunami, H. 4—46456
Itoh, K. *see* Suzuki, M. 4—53240
Itoh, K. *see* Taniguchi, T. 4—50718
Itoh, K. *see* Wada, M. 4—31390
Itoh, K. *see* Yamamura, T. 4—48480
Itoh, K.-i., Yazawa, R., Kaname, S., Hieda, T. Input-output subsystem for DIPS VLSI processor 4—29901
Itoh, M., Esho, S., Nakagawa, K., Matsuoka, M. New organic dye medium for ablative optical recording 4—52532
Itoh, M. *see* Baglee, D.A. 4—58865
Itoh, M. *see* Gokan, H. 4—36690
Itoh, M. *see* Obata, S. 4—33061
Itoh, M. *see* Shibasaki, M. 4—60351
Itoh, M. *see* Ukikusa, H. 4—50245
Itoh, S. *see* Kohama, Y. 4—31650
Itoh, S. *see* Moriyama, S.-i. 4—37080
Itoh, T. Millisecond meter test set 4—39208
Itoh, T. *see* Matsuura, K. 4—56617
Itoh, T. *see* Stephan, K.D. 4—41605
Itoh, T. *see* Takechi, M. 4—51242
Itoh, T. *see* Wimpee, L.C. 4—33897
Itoh, Y. *see* Nagao, A. 4—43853
Itoh, Y. *see* Takagi, A. 4—43273
Itoh, Z., Yamakura, K. A general purpose receiver for Intelsat communications 4—32732
Itoyama, N. *see* Shimoda, H. 4—57601
Itskhoki, I.Ya., Seregin, S.L., Cherednichenko, O.B. Dye lasers with pulsed longitudinal pumping 4—42582
Itskovich, I.F., Kulik, I.O., Shekhter, R.I. Point-contact spectroscopy of electron-phonon interaction in semiconductors 4—30415
Itskovich, I.F., Shekhter, R.I. Theory of multiphonon spectra in semiconductor point contacts 4—36328
Ittermann, H. *see* Nefzger, A. 4—50150
Ittipiboon, A. *see* Kishk, A.A. 4—41553
Ittipiboon, A. *see* Shafai, L. 4—31800, 4—42941
Iuvino, G. *see* Conta, C. 4—56031
Ivall, T. Automatic speech recognition 4—43262
Ivanchenko, I.V. *see* Vertiy, A.A. 4—30079
Ivanchev, M. *see* Christov, G. 4—29368
Ivanchuk, N.A. *see* Tartakovskii, G.P. 4—43448
Ivanchura, V.I., Kazantsev, A.V., Kazantsev, Yu.M., Soustin, B.P., Chernyshev, A.I., El'man, V.O. Automating the design of pulse type constant voltage stabilizers 4—34815
Ivanco, J. *see* Gont, M. 4—57252
Ivanenko, V.D., Shchetinin, V.V., Repinskii, E.K., Bezzub, E.A. Visibility of objects in the presence of strobe illumination 4—44305
Ivanes, M. *see* Feuillet, R. 4—57219
Ivankov, V.F., Rodionov, V.G., Shugailo, A.I. Calculation of distribution of magnetic flux and losses in a magnetic system with a butt joint in a straight-line portion 4—45493
Ivannikov, A.D., Sipchuk, P.P. Computer-aided design of micro-systems 4—29931
Ivanov, A.A., Mai, V.A., Naumov, Yu.V., Popyrin, L.S. Influence of atomic power plant operating regime on selection of turbine unit parameters 4—62277
Ivanov, A.M. *see* Astakhov, Yu.N. 4—44964
Ivanov, A.P. *see* Scherbakov, V.N. 4—44910
Ivanov, A.S. *see* Beruchev, N.G. 4—61603
Ivanov, A.V., Vasin, L.N., Polukhin, V.N. Strength of sintered fiber-optical elements and individual optical fibers 4—31131
Ivanov, B. *see* Batov, S. 4—53171, 4—56808
Ivanov, B.N. Apparatus for certifying angular-displacement transducers 4—55420
Ivanov, B.N. *see* Darmenko, Yu.P. 4—55417
Ivanov, E.N. *see* Bondaletov, V.N. 4—31604
Ivanov, E.S. *see* Bai, R.D. 4—34673
Ivanov, I.G. Metal vapour ion lasers with lateral types of discharge 4—37281
Ivanov, K.P. *see* Miteva, V.I. 4—42924
Ivanov, L.P. *see* Demin, E.A. 4—33274
Ivanov, M.A. Influence of nonlinear properties of a high-speed communication channel on its information characteristics 4—43029
Ivanov, M.N. *see* Danilov, P.E. 4—50125
Ivanov, N.R. *see* Gorskii, A.N. 4—62628
Ivanov, N.V. *see* Dumnov, V.P. 4—40112
Ivanov, O.V. *see* Abramovich, B.N. 4—39864
Ivanov, P. *see* Tobias, F. 4—44596
Ivanov, R. *see* Levkov, C. 4—44759
Ivanov, S.A. The computation of current density on the surface of rectangular conductors 4—53246
Ivanov, S.A., Djankov, G.L. Determination of the characteristic impedance by a step current density approximation 4—42904
Ivanov, S.A. *see* Gorbuntsov, A.F. 4—45484
Ivanov, S.I. *see* Volovik, V.D. 4—48862
Ivanov, S.N. *see* Zaboin, V.N. 4—49835
Ivanov, S.V. *see* Kop'ev, P.S. 4—55630, 4—58034
Ivanov, V.A. Direct frequency synthesis based on digital structures 4—47867
Ivanov, V.A., Borovkov, V.M., Levit, I.G., Averbakh, Yu.A., Titova, I.B. Increasing the efficiency of power units on nuclear district-heating power stations by modernising the thermal scheme of the turbines 4—49667
Ivanov, V.A., Kirichuk, V.S., Kosych, V.P., Yakovenko, N.S. A problem-oriented digital image processing system 4—43444
Ivanov, V.A., Menchikov, V.M. Instrument for calibration of measured velocities of angular acceleration 4—33089
Ivanov, V.A., Sokolov, G.A. Measurement of the phase of a coherent-pulse signal in the presence of correlated noise 4—32846
Ivanov, V.A. *see* Asatiani, T.L. 4—61719
Ivanov, V.A. *see* Eperin, A.P. 4—45224
Ivanov, V.D. *see* Bogdanov, V.G. 4—57131
Ivanov, V.G., Sysoeva, E.N., Berezina, M.A. The influence of the silicon photodiode spectral sensitivity characteristic on the absolute error of measuring the chromaticity coordinates 4—31242
Ivanov, V.I. *see* Gorelikov, N.I. 4—55549
Ivanov, V.N., Nikitin, V.A., Nikitina, E.P., Yakovenko, N.A. Fabrication of strip waveguides of predictable cross section by diffusion in an electric field 4—52601
Ivanov, V.N., Tsvetkov, E.I. Devices for measurements using processors 4—55144
Ivanov, V.V. Changes to the circuit of type VL8 electric locomotives 4—57450
Ivanov, V.V. *see* Efimochkin, G.I. 4—40094
Ivanov, V.Yu., Lifshits, T.M. Splitting of the fine-structure components of lines in photoelectric spectra of epitaxial GaAs films subjected to a magnetic field 4—30341
Ivanov-Omskii, V.I. *see* Akhromenko, Yu.G. 4—36276
Ivanov-Omskii, V.I. *see* Bovina, L.A. 4—52801
Ivanov-Omskii, V.I. *see* Elizarov, A.I. 4—58731
Ivanov-Smolenskii, A.V., Vlasov, A.I., Kuznetsov, V.A., Martynov, V.A. Calculating differential leakage of a salient pole synchronous machine armature winding 4—40220
Ivanov-Smolenskii, A.V., Vlasov, A.I., Martynov, V.A. Rotating electromagnetic moment of a saturated electric machine 4—62505
Ivanova, A.S. *see* Tsikinovskii, V.S. 4—39815
Ivanova, N.A. *see* Atamasov, V.D. 4—62714
Ivanova, P.G. *see* Dimova, D.I. 4—36428
Ivanova, T.N., Neychev, S.K. Automatic DC measurement instrument 4—39703
Ivanova, Ye.V. *see* Bitner, L.R. 4—30470
Ivanovich, M.D. *see* Simeonov, S.S. 4—30410
Ivanovski, A. *see* Belyakov, N.N. 4—39935
Ivashchenko, S.S., Kolokol'tsev, V.M., Shershnev, A.V. Experience with improving the high-pressure heaters of steam turbine plants 4—40111
Ivashchuk, I.M. *see* Zaganyan, Yu.I. 4—39156
Ivashenkov, O.N. *see* Asatryan, S.G. 4—30447

Ivashin, V.V., Petunin, Yu.P., Evdokimov, V.A. Study of an induction-dynamic DC magnetised motor 4—62549

Ivchenko, E.L., Lyanda-Geller, Yu.B., Pikus, G.E., Rasulov, R.Ya. Magnetically induced photogalvanic effect in semiconductors 4—46790

Ive, J.G.S. Digital video recording—when and how? 4—44294

Ive, J.G.S. Betacam—a second generation ENG/EFP system 4—55056

Ivens, G. *see* Nieder, R. 4—45248

Ivent'eva, O.O. *see* Andreev, V.M. 4—45661, 4—57358

Iverson, J.H., Marks, L.V. Improved technique for stuck fault testability measurement 4—41314

Ives, J. 'Time-scribe': a universal time writer for any EEG/polygraph chart recorder 4—49196

Ives, J.C. *see* Mason, I.M. 4—33783

Ives, M.B. *see* Heimann, R.B. 4—29513

Ivey, P.A. *see* Myers, D.J. 4—46587, 4—53608

Ivlev, A.D. *see* Belikov, V.T. 4—34692

Ivlev, G.D. *see* Pilipovich, V.A. 4—36259

Ivliev, E.A., Iossel', Yu.Ya. On calculating capacitance by an area method 4—51563

Ivliev, Ye.A., Iossel', Yu.Ya. On computing capacitance by the sub-area method 4—56548

Ivoilov, V.F., Chernyshev, A.S. Interrelation between parameters of an M-type travelling-wave tube 4—51710

Ivsinovic, B., Kuterovac, V., Mrgan, D., Gornik, V., Parapatic, K. Large hydrogenerators for hydroelectric power stations in Africa, Asia, and South America 4—56879

Iwabe, K., Yamauchi, K., Ukigaya, F. Development of a real-time registration adjustment system for a colour camera 4—60975

Iwabuchi, A. *see* Yatani, T. 4—54039

Iwahara, M., Miyazawa, E. A numerical method for calculation of electromagnetic circuits using the tableau approach 4—31557

Iwahara, M. *see* Miyazawa, E. 4—57293

Iwahashi, E., Fukutomi, H. F-400M system overview [optical fibre link] 4—38620

Iwahashi, E., Fukutomi, H. Optical subscriber loop system for business premises and local area applications—overview 4—44097

Iwahashi, E. *see* Gotoh, K. 4—38396

Iwai, A. *see* Okada, T. 4—59738

Iwai, I. *see* Miyoshi, K. 4—45737

Iwai, I. *see* Shimogaki, K. 4—45739

Iwai, T. *see* Kawamura, S. 4—36869, 4—52299

Iwai, T. *see* Mukai, R. 4—36868, 4—41813

Iwakami, T. *see* Kawanishi, H. 4—31377

Iwakami, T. *see* Sugimoto, Y. 4—52792

Iwakane, T., Kyura, N., Yoshida, Y. Small size servomotors and their drives 4—57086

Iwaki, H. *see* Tsukui, T. 4—48617

Iwakuma, M. *see* Yamafuji, K. 4—31056

Iwamatsu, S. *see* Kato, J. 4—46933

Iwami, T., Sugiura, I. A fundamental consideration on the shift logic of automatic transmissions for electric vehicles 4—35008

Iwami, T., Sugiura, I. A fundamental consideration on the shift logic of electric vehicles 4—35013

Iwamiya, T., Adachi, S., Nishijima, T. Gas turbine digital control system 4—40134

Iwamori, K. *see* Satoh, Y. 4—46445

Iwamoto, A. *see* Sekizawa, H. 4—59653

Iwamoto, I., Sagawa, E. Atmospheric environmental effects accompanying SPS construction [satellite power system] 4—33920

Iwamoto, K. *see* Kato, T. 4—40326

Iwamoto, M. 2 GHz 32Mb/s digital radio-relay system 4—32679

Iwamoto, M. Transportable microwave terminal equipment and transportable TV program switching equipment for emergency operation 4—44204

Iwamoto, M. *see* Nikawa, Y. 4—44773

Iwamoto, M. *see* Nomura, T. 4—34610

Iwamoto, S. *see* Isogai, Y. 4—61756

Iwamoto, T., Mochizuki, T. A thin film hybrid IC active filter for video-band use 4—46571

Iwamoto, T. *see* Mizuta, M. 4—46238

Iwamoto, Y. *see* Mochizuki, K. 4—52569, 4—52662

Iwamura, H. *see* Okamoto, H. 4—41884, 4—42655

Iwamura, J., Suganuma, K., Kimura, M., Tagushi, S. A CMOS/SOS multiplier 4—58427

Iwamura, J. *see* Tanaka, S. 4—51172

Iwamura, M. *see* Suzuki, Y. 4—58290

Iwamura, S., Nishida, Y. High precision automatic ellipsometer and use for evaluation of a very thin silicon-oxide layer 4—48730

Iwanaga, H., Shibita, N. Etch pits and polarity identification in ZnSe and ZnTe crystals 4—52025

Iwanaga, M. *see* Notomi, S. 4—56537

Iwanczyk, J.S., Dabrowski, A.J., Huth, G.C., Bradley, J.G., Conley, J.M., Albee, A.L. First use of a mercuric iodide (HgI_2) energy dispersive X-ray detector in a scanning electron microscope 4—51727

Iwanczyk, J.S., Dabrowski, A.J., Markakis, J.M., Ortale, C., Schnepple, W.F. Large area mercuric iodide photodetectors 4—33709

Iwane, G. *see* Fukuda, M. 4—59538

Iwane, G. *see* Nakano, Y. 4—37367

Iwanow, E., Willoper, J. Existence of Pareto efficient points in finite convex sets 4—35412

Iwaoka, H., Sugiyama, T., Matsuura, H., Fujino, K. A new pulse sequence for 'fast recovery' fast-scan NMR imaging 4—44720

Iwasa, C. *see* Fudeyasu, T. 4—55558

Iwasa, Y. *see* Lore, J. 4—31081

Iwasa, Y. *see* Tsukamoto, O. 4—37075

Iwasa, Y. *see* Yasaka, Y. 4—59172

Iwasaki, H., Madaras, R.J., Nygren, D.R., Przybylski, G.T., Sauerwein, R.R. Studies of electrostatic distortions with a small time projection chamber 4—33647

Iwasaki, H. *see* Nishida, K. 4—54742

Iwasaki, H. *see* Niwa, M. 4—47344

Iwasaki, H. *see* Okada, Y. 4—40245

Iwasaki, M., Akiba, Y., Kadono, R, Arai, I., Yamazaki, T. Two-dimensional profile measurement of a pulsed meson beam by a computed tomography method 4—39392

Iwasaki, M., Oyama, K., Tsunehiro, Y. Current-fed inverter with static VAR generator for induction motor drive 4—40249

Iwasaki, S. *see* Fujiyoshi, T. 4—32527

Iwasaki, S. *see* Ihara, F. 4—55216

Iwasaki, S. *see* Kitamura, A. 4—60624

Iwasaki, S. *see* Nakamura, Y. 4—37018

Iwasaki, S. *see* Ouchi, K. 4—37017

Iwasaki, S.-I. Perpendicular magnetic recording 4—31018

Iwasaki, T. Effect of multiple scattering in the backscattering method 4—31156

Iwasaki, T. *see* Nagatsuka, A. 4—39283

Iwase, T. *see* Masuoka, F. 4—35818, 4—51232

Iwase, Y. *see* Kikuchi, S. 4—32001

Iwashita, K., Ohta, N., Akazawa, Y., Ishihara, N., Konaka, S. Monolithic integrated amplifiers for a gigabit optical repeater 4—44085

Iwashita, Y. *see* Ikeda, Y. 4—53193

Iwata, A. Large-scale project 'flexible manufacturing system complex provided with laser' 4—31543

Iwata, A. *see* Yamagata, A. 4—41407

Iwata, H., Kirimoto, M. Teletext receiver for code transmission system 4—54201

Iwata, H. *see* Bauer, M. 4—40483

Iwata, K. *see* Ishida, M. 4—57008

Iwata, R. *see* Sato, I. 4—46617

Iwata, S. *see* Kobayashi, N. 4—30804

Iwata, S. *see* Kume, H. 4—42139

Iwata, S. *see* Ogawa, K. 4—33682, 4—61670

Iwata, S. *see* Tomita, S. 4—60460

Iwata, S. *see* Yamamoto, N. 4—42175

Iwata, T., Takei, K., Igarashi, M. NbN/Nb Josephson junction with a plasma oxidized barrier 4—47214

Iwata, T. *see* Hikita, M. 4—42291

Iwata, Y. *see* Fujimoto, F. 4—58043

Iwatsuki, T. *see* Takeuchi, Y. 4—61671

Iwayanagi, T. *see* Matsuzawa, T. 4—30722

Iyengar, V.S. Analysis of concurrent testing techniques 4—29241

Iyer, A., Saeks, R. Feedback system design: the pole placement problem 4—46289

Iyer, N.V. A simple electronic system for an automatic telemetering raingauge 4—61923

Iyer, S.R., Ramachandran, K., Hariharan, S. Optimal reactive power allocation for improved system performance 4—56458

Iyer, S.S., Sedgwick, T.O. Tailored grain growth in patterned aluminium by scanned short time annealing 4—47091

Iyer, S.S., Ting, C.Y. Lateral passivation by double lift-off 4—58871

Iyer, S.S. *see* Agrawal, J.P. 4—37882

Iyer, S.S. *see* Chao, H.H. 4—30531

Iyer, V. *see* Joshi, S. 4—54328

Iyoda, I. *see* Mizukami, Y. 4—56561

Izadnegahdar, A. *see* Bolomey, J.C. 4—56096

Izatt, J.R., Deka, B.K. $^{13}CH_3F$ tunable Raman FIR laser 4—42573

Izatt, J.R. *see* Bernard, P. 4—59431

Izatt, J.R. *see* Boulay, R. 4—39364

Izawa, F. Theoretical study on stress-induced demagnetization in magnetic recording media 4—59133

Izawa, N. Design of totally self-checking checkers for unordered codes 4—53417

Izawa, R. *see* Funakoshi, K. 4—30718

Izbickas, V. *see* Som, P.K. 4—49846

Izhko, N.S. *see* Bugayev, A.V. 4—36034

Izhutkin, V.S., Kokurin, M.Yu. The projection method in a variable metric for a problem of convex programming 4—46162

Izhutkin, V.S., Kokurin, M.Yu. On the rate of convergence of the projection method with a choice of step by subdivision for the solution of a convex programming problem 4—46163

Izmailov, I.A., Kochelap, V.A. Calculation of the light amplification coefficient at electron transitions in diatomic molecules 4—42535

Izmailov, I.A. *see* Vakhnenko, V.A. 4—52921

Izmailova, L.I., Kalyuzhnyi, V.F. The impedance of the 'core-earth' circuit of a cable, taking the sheath into account 4—56621

Izosimov, D.B. *see* Bilalovic, F. 4—57031

Izosimov, D.B. *see* Sabanovic, A. 4—57406

Izotov, V.A., Manoilova, O.N., Martyushov, G.G. A theoretical study of the magnetic field in grooveless DC machines 4—62550

Izotov, V.A. *see* Fetisov, V.V. 4—57069

Izpura, J.I., Herrero, J.M., Sandoval, F., Calleja, E., La Cruz, A., Munoz, E. Deep-level spectroscopy by transient capacitance techniques under electrical resonance 4—33426

Izrael, A., Thioulouse, P., Tueta, R. Crystalline structure and doping level of thin electroluminescent ZnS:Mn layers 4—36435

Izraelevitz, D., Lim, J.S. Spectral characteristics of the overdetermined normal equation method for spectral estimation 4—37972

Izumi, H., Inagaki, Y., Honda, N. An algebra of closed regular expression and a complete axiom system 4—29319

Izumi, J. *see* Yamazawa, K. 4—32939

Izumi, K. *see* Tsuji, M. 4—56995

Izumi, K. *see* Yamada, E. 4—56994, 4—57051

Izumi, S. *see* Ando, S. 4—59650

Izumida, K., Kasai, R., Tachibana, Y. Precision attitude control system for the Earth aspect spacecraft 4—44804

Izumikawa, S. Logic analyzers: providing functions to satisfy special requirements. II 4—33193

Izumikawa, S. Analog instruments improved for better recording. I 4—44527

Izumikawa, S. Analog instruments improved for better recording. II 4—44528

Izumikawa, S. Oscilloscopes: staying ahead of the technology 4—48923

Izumitani, T. *see* Asahara, Y. 4—37191

Izupak, E.A. *see* Belousova, T.Ya. 4—49072

Izvarin, Yu.V. *see* Gerasimenko, V.F. 4—41523

Izydorczyk, J., Mierzwa, J., Wolisz, A. A control variable method for increasing the efficiency of multiple access protocol simulation 4—48278

Izzo, P.V. The NID: toward a better way of reducing maintenance costs in the era of competition 4—32504

Ja, Y.H. The significance of trapping centre concentration in photorefractive crystals used for degenerate four-wave mixing 4—47513

Jaakkola, T. *see* Hakanen, M. 4—56025

Jaax, B., Mentel, J. A flow stabilized DC arc-lamp for high radiation densities 4—50201

Jabami, R. *see* Imai, S. 4—50238

Jabbari, B., Cheung, C., Stein, F. SBS satellite-based ISDN: Current implementation and future directions 4—32234

Jabbour, K. Group delay measurements at audio frequencies 4—55661

Jablokow, N. *see* Salerno, J.J., Jr. 4—32239

Jablonski, M. *see* Lewandowski, W. 4—61448

Jablonski, R. The comparative method of measuring the He-Ne laser wavelength variations using a Twyman-Green interferometer system 4—49029

Jaburek, W.J. Videotex—a communication system 4—54176

Jaburek, W.J. Teleconference via videotex 4—55080

Jacard, B., Maldonado, O. Microwave modeling of rectangular tunnels 4—53200

Jaccard, M. *see* Stahli, K. 4—48354

Jachowski, M. Buck-type switching regulator furnishes multiple outputs 4—58139

Jachura, P. *see* Szustakowski, M. 4—31143

Jacimovic, S.D. *see* Daniels, A. 4—56540

Jack, E. Emergency lighting: reliability and compliance with AS.2293-1983 4—62806

Jack, M.A. *see* Blackley, W.S. 4—51282, 4—58250

Jack, M.A. *see* Mactaggart, I.R. 4—51286

Jack, S.R. Capacitor control applications 4—34042

Jackel, J.L. *see* Wilson, T. 4—31191

Jackel, L.D. *see* Skocpol, W.J. 4—51899

Jackiewicz, Z. Asymptotic stability analysis of θ-methods for functional differential equations 4—41011

Jacks, J.A. *see* Kececioglu, D. 4—35331

Jackson, A. *see* Garrett, J.F. 4—37633

Jackson, A. *see* Personick, S.D. 4—54796

Jackson, A.M., McEvoy, N.A. Project UNIVERSE encryption experiment 4—43096

Jackson, A.M., McEvoy, N.A., Newman, B.B. Project UNIVERSE encryption experiment 4—32459

Jackson, B.C. *see* Biernat, P.J. 4—46717

Jackson, B.C. *see* House, J.R. 4—41711

Jackson, B.S., May, R.G., Claus, R.O. Single mode acoustic fiber waveguide 4—62005

Jackson, C.K. *see* Belisle, K.M. 4—37640

Jackson, C.M. *see* Williams, D.N. 4—49732

Jackson, D.A., Kersey, A.D., Lewin, A.C. fibre gyroscope with passive quadrature detection 4—37108

Jackson, D.A. *see* Corke, M. 4—52660

Jackson, D.A. *see* Jones, J.D.C. 4—31508

Jackson, D.A. *see* Kersey, A.D. 4—37106, 4—47251

Jackson, D.A. *see* Leilabady, P.A. 4—55392
Jackson, D.W. *see* Bacvarov, D.C. 4—56936
Jackson, G.W., Wilkinson, D.L. Long water waves and electromagnetic waves—an analogy 4—58506
Jackson, H.G. *see* Hodges, D.A. 4—45875
Jackson, K.A. *see* Hegarty, J. 4—60840
Jackson, K.P., Newton, S.A., Shaw, H.J. Improved macrobend optical-fiber tapped delay line for high-speed signal processing 4—52620
Jackson, K.P. *see* Newton, S.A. 4—52619
Jackson, L.N. *see* Fidge, C.J. 4—47943
Jackson, M.N., Hayward, G. A new three-port model of the thickness mode piezoelectric transducer 4—52367
Jackson, M.N. *see* Hayward, G. 4—52351, 4—52368, 4—56362
Jackson, N.F. *see* Vanner, K.C. 4—36411
Jackson, N.M., Jr., Schmitt, D.G., Weller, D.R. Computer assisted experiments with the disabled 4—56156
Jackson, P. *see* Armley, J. 4—54080
Jackson, P.H., Miessler, M.H. Method of permuting pixels in a parallel image processor 4—48803
Jackson, R.D., Karamanzanis, G. Output waveforms from controlled switched-mode DC to AC converters 4—57202
Jackson, R.H., Parker, R.K., Ganguly, A.K., Freund, H.P., Sedlak, C.A., Nagurney, M.J. Millimeter wave Ubitron experimental design 4—37275
Jackson, R.H. *see* Ganguly, A.K. 4—36226, 4—37274, 4—59380
Jackson, R.J., Swingler, S.G. The influence of test method on the Weibull parameters of extruded cable insulation 4—62202
Jackson, R.J. *see* Stannett, A.W. 4—59065
Jackson, R.N. Systems concepts in high fidelity TV: the display challenge 4—32936
Jackson, T.N., Kuan, T.S. Silicide ohmic contact to p-type GaAs 4—46865
Jackson, W.D. New energy technologies: The research, development and demonstration process 4—39979
Jackson, W.M. *see* Baldino, F.X. 4—49674
Jackson, W.R. *see* Jones, G., II 4—52932
Jacob, A. *see* Choe, D.HG. 4—42000
Jacob, A. *see* Rajagopalan, V. 4—57214
Jacob, G.K. *see* Geselowitz, D.B. 4—49208
Jacob, G.W. Designing for testability 4—52169
Jacob, J. Analysis of film lenses with the complex source point method 4—31165
Jacob, J.F., Fiche, G. The E10.B digital switching system: field measurements of performances and traffic capacities 4—38392
Jacob, J.J. Broadly tunable mid-infrared radiation by difference frequency mixing 4—59587
Jacob, P.B., Jr. Mississippi State University high voltage laboratory—its mission and goals 4—45879
Jacobaeus, C. Telecommunication systems and traffic theory 4—54059
Jacoboni, C. *see* Brunetti, R. 4—41823
Jacobowitz, H, Soule, H.V., Kyle, H.L., House, F.B. The Earth Radiation Budget (ERB) experiment: an overview 4—56291
Jacobowitz, L. *see* Fatula, J.J., Jr. 4—42102
Jacobowitz, L. *see* Herd, H. 4—36409
Jacobs, B., Braat, J., Hartmann, M. Aging characteristics of amorphous magneto-optical recording media 4—52722
Jacobs, D. Breaking urban data bottlenecks with a private lightwave bypass 4—38596
Jacobs, E.P. *see* Schwabe, U. 4—30788, 4—52292
Jacobs, E.P. *see* Takacs, D. 4—36855
Jacobs, G. The science of predicting radio conditions 4—31635
Jacobs, G. Optimization of a closed OTEC system with a dual zoned condenser coupled to an RO desalination unit 4—34505
Jacobs, G.B.H. *see* van Amerongen, J. 4—62752
Jacobs, G.W. *see* ter Maat, H.J. 4—57611
Jacobs, H. *see* Horn, R.E. 4—36042
Jacobs, H.S. *see* Sutherland, I.A. 4—33855
Jacobs, L.J. How to build a quick and easy 15 meter QRP mobile antenna 4—31760
Jacobs, M.E. *see* Osifchin, N. 4—56525
Jacobs, P. *see* Breskin, A. 4—39428
Jacobs, R.M., Hoffman, L.A. Contracting for liability relief 4—45913
Jacobs, S. *see* Ehlers, H.K.F. 4—61856
Jacobs, W. Selecting a thick film conductor for a particular application 4—46743
Jacobsen, K.M. Automatic detection of fluorescent indications 4—44410
Jacobsen, R.K. Long-distance communications in the USA 4—38134
Jacobsen, T. *see* Atlung, S. 4—50026
Jacobson, A.S. *see* Varnell, L.S. 4—33778
Jacobson, D.C. *see* Thompson, M.O. 4—46915
Jacobson, D.L., Morris, J.F. Arizona State University research related to thermionic energy conversion 4—34953
Jacobson, D.L. *see* Tang, M.T. 4—30249
Jacobson, D.R. Quality assurance for computed tomography—correlation with system performance 4—49152
Jacobson, I., Gamboa, I., Espinosa, G., Moreno, A. Uranium determination in dental ceramics 4—56219
Jacobson, I. *see* Espinosa, G. 4—55935
Jacobson, I. *see* Gamboa, I. 4—56218
Jacobson, L.J. Constraints on the unlimited applications of the Navstar Global Positioning System 4—38751
Jacobson, P.M., Remy, M. 16-bit minicomputers for pacemaker centers 4—49258
Jacobson, P.M. *see* Ripart, A. 4—49256
Jacobus, A., Muller, W. Numerical solution of forces and torques 4—31576
Jacoby, B.A., Kotecki, D.E., Lear, R.D. Direct gating of microchannel plates 4—30280
Jacot-Descombes, M. International harmonization of electrotechnical standards 4—40756
Jacquelin, J. *see* Wicker, A. 4—45610
Jacqueroud, J.-N. Silting-up of hydroelectric storage reservoirs—a new solution 4—45358
Jacques, A. *see* Bertsch, X. 4—30879
Jacquez, A., Karp, A., Scott, A. A millimeter-wave Tunneladder TWT 4—36219
Jacquot, B. *see* Geller, R. 4—61631
Jacquot, C. *see* Basu, M. 4—55958
Jacquot, C. *see* Delaunay, M. 4—61649
Jacquot, C. *see* Geller, R. 4—61631
Jacquot, C. *see* Ghosh, d. 4—33747
Jadamus, H. Measurement and analysis of the second boiler pass walls vibration on the example of a 660 t/h pulverized-fuel boiler 4—45298
Jadhav, D.B. *see* Singh, M. 4—39070
Jadin, V. *see* De Pra, U. 4—34808
Jae Chang Kim *see* Sang Hun Chai 4—50058
Jae Ho Sin *see* Yoon Ki Shin 4—51446
Jae Kyoon Kim *see* Tae Geun Kim 4—48295
Jae Shin Chul *see* Chul Jae Shin
Jae Yul Lee *see* Tae Geun Kim 4—48295
Jae-Seok Choi *see* Kil-Yeung Song 4—49561
Jae-Won Song, Sang-Yung Shin, Young-Se Kwon Optical bistability, regenerative oscillation, and monostable pulse generation in a liquid crystal bistable optical device 4—37173
Jaech, J.L. Removing the effects of measurement errors in constructing statistical tolerance intervals 4—50628
Jaeckel, H., Kadlec, J. Sense element [for three-junction current injection device] 4—59164
Jaeger, J.C.De *see* De Jaeger, J.C.
Jaeger, R. *see* Pianetta, P. 4—52156
Jaeger, R.C. Automated MOSFET impurity profile design 4—52144
Jaeger, R.C., Fox, R.M., Diehl, S.E. Analytic expressions for the critical charge in CMOS static RAM cells 4—29858
Jaeger, R.J. Electrical stimulation for standing in paraplegia 4—49291
Jaeger, R.J., Kralj, A. Studies in functional electrical stimulation for standing and forward progression 4—56160
Jaenecke, P. Critical remarks on syntactical pattern recognition 4—32066
Jaerisch, W., Korth, H.E., Makosch, G. Interferometric thickness measurement of very thin air gaps or films 4—39311
Jafek, B.J. LANDSAT imaging and the study of volcanoes 4—49442
Jafek, B.J. *see* McLeod, R.G. 4—49443
Jaffe, D.L. A design/development methodology for rehabilitation devices using embedded microcomputers 4—56153
Jaffe, D.L., Gaines, R.F. Ultrasonic head control unit 4—56198
Jaffe, J.M. *see* Gopal, I.S. 4—32130, 4—43786
Jaffe, J.M. *see* Segall, A. 4—32122
Jaffe, L.D., Levin, R.R., Moynihan, P.I., Nesmith, B.J., Owen, W.A., Roschke, E.J., Starkey, D.J., Thostesen, T.O. Systems approach to walk-off problems for dish-type solar thermal power systems 4—34521
Jaffey, S.M. *see* Dutta, K. 4—42733
J.A.Fulford *see* Fulford J.A.
Jagacinski, R.J., Flach, J.M., Gilson, R.D. A comparison of visual and kinesthetic-tactual displays for compensatory tracking 4—33166
Jagadeesh Kumar, V. *see* Sankaran, P. 4—59150
Jagadish, H.V., Kailath, T., Newkirk, J.A., Mathews, R.G. On hardware description from block diagrams [logic] 4—51084
Jagam, P. *see* Malm, H.L. 4—61673
Jagam, P. *see* Simpson, J.J. 4—55815
Jagannathan, P. *see* Hariharan, M.V. 4—45337
Jagberger, R. Satellit 300/600, 2 world receivers and their differences 4—60999
Jager, C.W.De *see* De Jager, C.W.
Jager, D. *see* Gasch, A. 4—46603
Jager, D. *see* Paulus, P. 4—37453
Jager, H. *see* Lieder, R.M. 4—39498
Jager, J.B.de *see* de Jager, J.B.
Jager, K.-W., Lauger, S. More competitive with CAD [electrical equipment design] 4—44991
Jager, R. A systematic approach to designing for testability 4—49426
Jagger, D.S. New developments and improvements in soundfield microphone technology 4—44371
Jagger, H. Communications audit 4—43533
Jagiela, K. An analog real model of a thyristor converter, type 6T 4—49964
Jagoda, A. *see* Rezulski, M. 4—59359
Jahn, J. Scalarization in vector optimization 4—46149
Jahn, L., Chirstoph, V. Rotational hysteresis of 2-17-RE-cobalt magnets 4—47200
Jahn, U. *see* Danesh, P. 4—35507
Jahns, T. *see* Abbas, M. 4—57039
Jahns, T.M. Torque production in permanent magnet synchronous motor drives with rectangular current excitation 4—57417
Jahoda, F.C., Weber, P.G., Feinberg, J. Optical feedback, wavelength response, and interference effects of self-pumped phase conjugation in $BaTiO_3$ 4—53080
Jahoda, K. Field of force in the magnetic separator matrix 4—42776
Jai-Kil Chung, Gi-Sig Byun An effective fault analysis method in large scale power system 4—44962
Jain, A.K., Ansari, S. Maximum entropy spectrum estimation: the continuous case 4—37986
Jain, A.K., Ansari, S. Radon transform theory for random fields and optimum image reconstruction from noisy projections 4—53926
Jain, A.R. *see* Williams, P.J.S. 4—56296
Jain, F.C., Bansal, R., Valerio, C.V., Jr. Semiconductor antenna: a new device millimeter- and submillimeter-wave integrated circuits 4—37740
Jain, G.C. *see* Singh, S.N. 4—34896
Jain, J.C., Haskard, M.R. Review of D/A and A/D converters and their suitability for VLSI 4—35875
Jain, K. *see* Hofer, D.C. 4—46909
Jain, K. *see* Latta, M. 4—52209
Jain, K. *see* Latta, M.R. 4—37426
Jain, K.C. *see* MacIver, B.A. 4—42060
Jain, K.K. *see* Sharma, J.K.N. 4—39355
Jain, K.R. *see* Rebbapragada, R.V. 4—34178
Jain, L.C. Design of an operational amplifier using MOSFETs 4—58172
Jain, M.L. Limited academic autonomy through credit system in an affiliated engineering college—a case study 4—45848
Jain, N.K., Agnew, D., Nakhla, M.S. Two-dimensional table look-up MOSFET model 4—36529
Jain, P. *see* Shoucair, F. 4—47046, 4—47047
Jain, P. *see* Shoucair, F.S. 4—42057
Jain, R., Vandewalle, J., De Man, H. Efficient CAD tools for the coefficient optimisation of arbitrary integrated digital filters 4—58464
Jain, R.K. A few management aspects to speed up construction and rationalize O&M of thermal power projects 4—57758
Jain, R.K., Stenersen, K., Snyder, D.E. Picosecond optoelectronics in high-speed integrated circuits 4—59300
Jain, R.K. *see* Stenersen, K. 4—59604
Jain, S.C. *see* De Pauw, P. 4—46802
Jain, S.C. *see* Ganesan, S. 4—50091
Jain, S.K. *see* Agrawal, V.D. 4—58224
Jain, V.K. Simplified algorithm for multi-pulse LPC analysis of speech 4—31932
Jain, V.K. Multi-pulse spectral analysis of speech 4—37905
Jain, V.K. Accurate pole estimation by modified linear prediction 4—37966
Jain, V.K. Accurate pole estimation by modified linear prediction 4—53691
Jain, V.K., Crochiere, R.E. Quadrature mirror filter design in the time domain 4—43337
Jain, V.K., Hangartner, R. Efficient algorithm for multipulse LPC analysis of speech 4—53486
Jain, V.K. *see* Gondeck, A.R. 4—53692
Jain, V.K. *see* Naik, K.B. 4—57065
Jain, V.K. *see* Pandey, P.C. 4—50247
Jain, V.K. *see* Saylor, F.G. 4—38101
Ja'Ja', J. High-speed VLSI networks for computing the discrete Fourier transform 4—42131
Jajszczyk, A. Novel architecture for a digital switching network 4—60616
Jakani, M. *see* Campet, G. 4—37204
Jakatdar, P., Pearlman, W.A. An optimal transform tree coding method applied to images 4—60236
Jakatdar, P. *see* Pearlman, W.A. 4—53900
Jakel, E., Best, R., Soulat, G. Accurate thermal control of enclosures of optical payloads 4—44884
Jakel, T. Quality control of ferromagnetic components by coercive field strength measurement 4—50843
Jakeman, E. *see* Jordan, D.L. 4—37500
J.Akerman *see* Akerman J.
Jako, G.J. Microscopic and endoscopic laser surgery 4—39589
Jakob, H. *see* Rohrer, L. 4—33597
Jakobsen, H.J., O'Hara, J.E., Weber, R. Resource sharing networks 4—60535
Jakobsen, K.R. An alternative diffraction coefficient for the wedge 4—31623
Jakovcic, M. Effectiveness as a criteria for the determination of the optimum system configuration 4—34038
Jakovkin, I.B. *see* Koslov, A.S. 4—30922
Jakubczik, G.K. Service link for pharmacists via Bildschirmtext. Information transfer under the 'A' sign of the pharmacist 4—54303

Jakubiak, A. Selection of threshold level for target elevation angle evaluation based on 'excessive-pulses-counting' method 4—48500
Jakubik, J. *see* Broszczak, W. 4—44222
Jakubova, I. *see* Senk, J. 4—50009
Jakubowicz, A. *see* Eisenbeiss, A. 4—51776
Jakubowicz, A. *see* Preier, H.M. 4—59501
Jakubowski, I. Tester type TPA301 for the self-contained circuits of remote-control receivers for television sets 4—48575
Jalade, J. *see* Capel, A. 4—57190
Jalali, A. *see* Personick, S.D. 4—54796
Jaleel, V.A., Kannan, T.S. Hydrothermal synthesis of chromium dioxide powders and their characterisation 4—46256
Jaleelil, N. Assessing quasilinearization and synchronization tests in the identification of synchronous machine transient and subtransient parameters 4—49864
Jamali, M.M., Mullien, G.A., Miller, W.C., Ahmad, S.I. A real time general purpose signal processor 4—60068
Jambunathan, K., Probert, S.D., Shilston, M.J. Enhancing heat transfer rates from closed-sided, open-topped heat exchangers, each having vertical rectangular fins extending upwards from a horizontal base 4—40832
James, A.L. The CALMS system; remote metering and management 4—62034
James, A.N. Large diameter melting by sparks 4—33567
James, B. Keys unlock the small systems market [telephone systems] 4—32243
James, B.G. *see* Legarra, J.R. 4—36221
James, G.D., Grainger, J. A large detector for fission-fragment angular distribution studies 4—55946
James, G.E. *see* Fox, R.F. 4—37339
James, I. Colour television camera and system defects 4—61047
James, J.E. *see* Blessing, G.V. 4—55782
James, J.R., Hall, P.S., Henderson, A. Microstrip antenna concept—some design limitations and constraints 4—37781
James, J.R., Henderson, A., Johnson, R.H. Field penetration limitations of electromagnetic hyperthermia applicators 4—39610
James, J.R. *see* Hall, P.S. 4—53312
James, J.R. *see* Johnson, R.H. 4—39611
James, J.W., Marques, M. Beefing up the processing power of the 4ESS switching system 4—38394
James, K.L. *see* Olsen, D.R. 4—58666
James, L.P. The influence of microprocessors on space (air/ground) systems 4—49431
James, L.T., Calloway, T.M. Initial field tests of ISP-1 and ISP-2—systems that extend the technology of instrumented seabed penetrators 4—61979
James, M. Uninterrupted current supply 4—34737
James, R.G. *see* Conroy, G. 4—48011
James, S. The reality of private interactive videotex 4—48127
James, W.S. The use of videotex as an advertising medium 4—48163
Jameson, J. Automatic gripping based on tactile sensation 4—56202
Jameson, R.S. *see* Sarid, D. 4—37452
Jamieson, S. *see* Fox, J. 4—46516
Jamieson, T.H. Channel interaction in an optical fire control sight 4—47319
Jamieson, T.H. Ultrawide waveband optics 4—59290
Jamil, A.T.M. *see* Hasanuddin Ahmad, S. 4—57886
Jamil, K. *see* Khan, H.A. 4—55934, 4—55947
Jamison, D.A., Marquez-Reines, M., Burden, H.S. Spatial distributions of current in a rail gun arc armature 4—37555
Jamison, K.A., Marquez-Reines, M., Burden, H.S. Measurements of the spatial distributions of current in a rail gun arc armature 4—42824
Jamison, S. *see* Lee, G. 4—29823
Jamison, S.A. *see* Vu, T.T. 4—29781, 4—35746
Jamjoum, O. *see* Matson, R.J. 4—36334
Jammet, H. *see* Coulon, R. 4—39622
Jan Jinkun, Zhang Yonggao, Zie Zhigang Analysis and practice of an accumulator-type impulse testing device with booster 4—41118
Jana, P.B. *see* Nandi, S. 4—41483, 4—46564
Janakiraman, N., Pagurek, B., Neilson, J.E. Performance analysis of an integrated switch with fixed or variable frame rate and movable voice/data boundary 4—32600
Janakiraman, N., Pagurek, B., Neilson, J.E. Delay versus TASI advantage in a packet voice multiplexer 4—38119
Janaky, T.P., Prasada Rao, T.A., Narasimha Rao, D.V.G.L., Narayanaswamy, C.K. Brillouin scattering in thin-film waveguides 4—42328
Janata, J. *see* Ho, N.J. 4—33236
Janati, A. *see* Saucier, G. 4—30738
Janca, P.C. Comparing the two PBX-to-computer specifications 4—43743
Janda, M. The possibilities and limitations of a method of quartz resonator in the study of physical-chemical phenomena 4—61552
Janes, R.W.B. Improved system reliability through master independent operation 4—38721
Janes, S.M. Controlled ferroresonant charger advances substation control 4—45531
Janes, T.W. *see* Day, D.J. 4—30542
Janesick, J. *see* McGrath, R.D. 4—37229
Janesick, J.R. *see* Klaasen, K.P. 4—48589
Janev, N. *see* Christov, G. 4—29368
Janev, R.K. *see* Post, D.E. 4—61617
Jang, S.-J., Sanchez, J., Pohl, K.D., L'Esperance, L.D. Fundamental mode size and bend sensitivity of graded and step-index single-mode fibers with zero-dispersion near 1.55 μm 4—52564
Jani, J. A new order of value of the illumination engineering characteristics of artificial indoor illumination 4—62811
Janiak, R. *see* Florek, M. 4—44688
Janiak, W. *see* Zalewski, J. 4—42201
Janic, P. *see* Softic, F. 4—45725
Janichewskyj, W., Arainy, A. Microgap discharges as sources of television interference 4—32935
Janicki, Z. Stray field examination in a high capacity transformer by means of modelling on conductive paper 4—44592
Janicky, W. *see* Slayton, M.H. 4—52338
Janiczak, B.J. On the analysis of multimodes coplanar lines for microwave integrated circuits applications 4—53244
Janik, H. Voltage and current sources according to the bandgap principle 4—58450
Janik, J., Jr. Fiber-optic data links in AT&T switching systems 4—54818
Janik, P. *see* Kubicka, V. 4—54934
Janikowski, R. *see* Hatchett, J. 4—58193
Janiszek, A. Application of optimization means to assist in production planning in an oil refinery 4—40822
Janitschek, F. Heat pumps for the use of heat from the depth of seas, and waste heat from hydroelectric power plants 4—49799
Janjic, J., Cesarevic, A. Estimation and monitoring of the intensity of the emission of SO_2 from thermal power plants 4—62349
Janka, K. Ion deflection air flow meter with constant deflection 4—48884
Janke, M. *see* Grundey, T. 4—55787
Janker, P. The solution of the problem of the PAL 8-field sequence with the MOSAIC system 4—55066
Janklovics, Z. *see* Varju, G. 4—59759
Jankovic, B. *see* Palata, Z. 4—61106
Jankow, B. *see* Lattmann, M.S. 4—41281
Jankow, R. *see* Lattmann, M.S. 4—33102
Jankowska, E. *see* Urbanczyk, W. 4—53103
Jankowski, S. *see* Daniel, T. 4—29606
Jankowski-Tepe, K. Simple operational amplifier differentiating circuit with stable zero 4—30037
Janossy, M., Rozsa, K., Apai, P., Csillag, L. He-Kr ion laser in a DC hollow cathode discharge 4—31316
Janowski, T., Wawszczak, J., Adamkiewicz, J. Static frequency converter for supplying ozone generators 4—62631
Janowski, T. *see* Dressler, Z. 4—41205
Jansa, J. *see* Dusek, Z. 4—30128
Jansch, H. *see* Kramer, D. 4—33623
Janse, M.J. *see* de Bakker, J.M.T. 4—44747
Jansen, F., Mort, J., Grammatica, S., Morgan, M. Xerographic measurements in compensated hydrogenated amorphous silicon 4—41847
Jansen, F., Mort, J., Grammatica, S., Morgan, M., Chen, I. On the field-effect in amorphous tetrahedral photoreceptors 4—61397
Jansen, F. *see* Mort, J. 4—37196
Jansen, H. *see* Baird, N. 4—43700
Jansen, J. *see* Bertl, W. 4—33757
Jansen, K. Inductive components for power electronics 4—41621
Jansen, M., Alfrey, A., Stafsudd, O.M., Dunn, B., Yang, D.L., Farrington, G.C. Nd^{3+} beta″ alumina platelet laser 4—31357
Jansen, R.B. Dam safety in the United States 4—45202
Jansen, R.E. *see* Brecke, R.A. 4—42253
Jansen, R.H. *see* Hong, U.S. 4—30074
Jansen van Rosendaal, C. An information and telecommunications policy for Europe 4—47944
Jansky, D. Use of the GSO during the last decade—prospects for the future 4—60813
Janson, P.A., Mumprecht, E. Addressing and routing in a hierarchy of token rings 4—54427
Janssen, A.J.E.M. Gabor representation and Wigner distribution of signals 4—60139
Janssen, A.J.E.M., Vries, L.B. Interpolation of band-limited discrete-time signals by minimizing out-of-band energy 4—53717
Janssen, C.T.L., Daniel, T.E. A decision theory example in football 4—50624
Janssen, H.J., Beerden, L., Flerackers, E.L.M. An experimental look at the resonant behaviour of a nonlinear LC circuit 4—50349
Janssen, J. *see* Pradella, H. 4—44413
Janssen, P.E. *see* Golaszewski, M.J. 4—32584
Janssen, R. On-line optimization of the line-response of converter-fed a.c.-motor drives 4—57471
Janssen, R.J. *see* Ruitenbeek, J.C. 4—44701
Janssens, C. *see* Ilzkovitz, F. 4—35053
Janssens, H. *see* Boucique, R. 4—52924
Jansson, B., Johansson, K., Ostlund, T. LPB 110, a system for controlled test traffic 4—54105
Jansz, E. A look at emitter followers—bootstrapping explained 4—58162
Janta, J., Cryroky, J., Schrofel, J. Methods of measurement of refractive-index profiles of deep planar optical waveguides 4—47247
Janta, J. *see* Ctyroky, J. 4—42369
Janta, J. *see* Miler, M. 4—31520
Janta, J. *see* Uyukin, E.M. 4—42391
Janu, K., Neme, D. The μPD 7220 Graphics Display Controller 4—61243
Januskevicius, Z., Koval, V., Kudin, A., Sodeika, A., Tartachnik, V., Tychina, I. Radiation defects in single crystals of zinc diphosphide 4—30388
Janzen, G., Muller, G., Schuller, P.G., Thumm, M., Wilhelm, R., Erckmann, V. Mode selective high power measurements on a 28 GHz gyrotron 4—36200
Janzen, G., Stickel, H. Mode selective directional couplers in overmoded circular waveguides 4—41569
Janzen, G. *see* Thumm, M. 4—36212
Janzen, G. *see* Zhang, Z.X. 4—36199
Jaouen, H. *see* Chenevier, P. 4—34909
Japel, D. A metrological method of evaluating slices of tissue 4—38061
Japel, D. On the error rate as a criterion in the choice of characteristics 4—38081
Jara, E. *see* Berriel-Valdos, L.R. 4—43446
Jara, E. *see* Guel, S. 4—38108
Jara, E. *see* Ibarra, J. 4—38109
Jaramillo, S.A. *see* Gobby, P.L. 4—36231
Jaramillo, S.A. *see* Yates, G.J. 4—37220
Jaramillo, V.M. Rio Escondido: Mexico's first major coal-fired power station 4—49748
Jarc, D.A. *see* Connors, D.P. 4—34971, 4—57036
Jardan, R.K., Hajdu, E. A PWM inverter control considering the modes of operation of the inverter 4—49981
Jardine, P., Jerman, S., Seddon, N., Rees, J.A. A communicating aid for the physically handicapped 4—56145
Jares, V. Electron gun with asymmetrical focusing system for colour TV picture tube 4—38833
Jares, V. A flat CRT for pocket TV receivers 4—48578
Jaric, V. *see* Kreisel, V. 4—56878
Jaric, V. *see* Sirotic, Z. 4—56938
Jarisch, W. Imaging tester 4—50520
Jarisch, W.R. *see* Albrecht, P. 4—49228
Jarlskog, G. *see* Brand, C. 4—33639
Jarmoc, W. *see* Kulaszewicz, S. 4—30351
Jarret, J. *see* Faul, G. 4—62740, 4—62740
Jarrett, O., Jr. *see* Antcliff, R.R. 4—52784
Jarvela, R.A. *see* Aichelmann, F.J., Jr. 4—30689
Jarvinen, M.-L. On penning mixtures in proportional counters 4—55851
Jarvinen, M.-L., Sipila, H. Improved proportional counters for practical applications 4—39439
Jarvis, E.J. *see* Cachon, R.P. 4—30488
Jarvis, J. Negative tracking supply 4—41191
Jarvis, J.P. *see* Haymond, R.E. 4—29352
Jarvis, N.L. *see* Wohltjen, H. 4—61370
Jarvis, O.N. *see* Swinhoe, M.T. 4—39431
Jarvis, W.M. *see* Kuether, R.C. 4—49757
Jarzembski, W.B. The integrated health care engineering department 4—49336
Jarzynski, J. Frequency response of a single-mode optical fiber phase modulator utilizing a piezoelectric plastic jacket 4—31132
Jarzynski, J. *see* DePaula, R.P. 4—59285
Jasak, M. *see* Strbuncelj, Z. 4—56942
Jasaka, S.L. *see* Fukada, A. 4—32132
Jasiak, J. *see* Piesch, E. 4—55923
Jaspal, J.S. *see* Dalal, H.M. 4—30566
Jassby, K. *see* Zeiger, A. 4—58073
Jastrzebski, A.K. *see* Sobhy, M.I. 4—58532
Jastrzebski, L., Ipri, A., Corboy, J., Metzl, R. CMOS isolation using selective epitaxial regrowth 4—30792
Jastrzebski, L., Smeltzer, R.K., Cullen, G.W., Lagowski, J. Effect of heat-treatment on electrical properties of ion-implanted silicon on sapphire 4—51893
Jastrzebski, L. *see* Cullen, G.W. 4—35479
Jastrzebski, L. *see* Lagowski, J. 4—41818
Jastrzebski, L. *see* McGinn, J.T. 4—29484
Jaszczak, R.J. *see* Tsui, B.M.W. 4—39534
Jatteau, M. *see* Paulin, J. 4—39451
Jatteau, M. *see* Pergrale, J. 4—39532
Jauch, K.M. Color test equipment for banknote authentication 4—38097
Jaurich, R. Microprocessor assisted automatic measurement of simulated and original biosignals from artificial human respiration 4—39571
Javidi, S. Multiple source conducted and radiated EMI from electronic fluorescent lighting systems 4—59811
Jawitz, M., Ogden, C., Tench, D., Thompson, R. Operation of copper pyrophosphate circuit-board plating baths at high additive concentrations 4—30171
Jay, P.R. *see* Le Brun, M. 4—30109
Jay Kyoon Lee, Jin Au Kong Dyadic Green's functions for layered anisotropic medium 4—59727

Jayachandra, Y. Protocol standards for local and internetworking 4—54403
Jayadev, J.S., Horst, R.B., Williams, L.R., Jr. Thermoelectric and thermomagnetic cooling below 200K 4—40501
Jayadev, T.S., Joshi, A. Conductivity changes in tungsten silicide films due to rapid thermal processing 4—46974
Jayakumar, R. *see* Taggart, D.P. 4—39380
Jayasimha, K.N. *see* Parthasarathy, R. 4—46075
Jayasumana, A. *see* Ho, B. 4—56110
Jayasuriya, D.A.R., Filho, F.C.M., Cole, R.S. Rainfall attenuation at 36 GHz and 55 GHz 4—59752
Jayne, M.G., Williams, A.B., Davies, P.D. A microprocessor-based control strategy for PWM inverters 4—57208
Je In Baek *see* Tae Geun Kim 4—48295
Jean, F. *see* Facq, P. 4—52553
Jean, Ph. *see* Chase, R.L. 4—39426
Jean, S., Lee, L. An efficient low bit rate speech coder with simplified algorithms for digital speech communications 4—31934
Jeandot, J.L., Raulin, J.M., Fibeyre, C., Lacroix, R. 60-channel PCM-ADPCM transcoder 4—37838
Jeanjean, R. *see* Croteau, G. 4—57273
Jeantet, T. Communication and the social economy 4—60291
Jeavons, A. *see* Townsend, D. 4—39528
Jech, A. *see* Perez Ferreira, E. 4—33564
Jech, J., Jr. *see* Toukhy, M.A. 4—58841
Jeckelmann, B. *see* Beer, W. 4—49102
Jecklin, J. Analogue—PCM: for a change, an unorthodox comparison audio 4—38918
Jecklin, J. Transdyn: a solution of the problem of music reproduction 4—38974
Jecklin, J. How recordings are judged and mistakes avoided 4—38975
Jecklin, J. New microphones, a new disc, and signal preparation with Transydn 4—38978
Jecklin, J. The unknown factors ICC, PICC and ASI. [Problems of reproduction with spatial impression] 4—38980
Jecklin, J. PCM technique for the amateur: what to look out for 4—43555
Jecklin, J. Unsolved audio problems and the high-end movement. Retrospect and prospects 4—44326
Jecklin, J. Optimum Stereo Signal from a disc 4—44361
Jecko, F., Papiernik, A., Penaud, N. Improved performances of the TE_{11} mode propagation in a cylindrical circular waveguide with a deformed cross section 4—31722
Jedlicka, M. Sprayed CdSe layers 4—36274
Jedlovszky, P. *see* Horvath, P. 4—57318
Jedral, L. *see* Ruda, H. 4—46225
Jefferies, D.K. *see* Prewett, P.D. 4—36379
Jefferis, A.K. Satellite and terrestrial approach to business communication services 4—38586
Jefferis, A.K. International communications satellites; global and European regional systems 4—54687
Jefferson, C.M. The control of power transmission in a flywheel energy storage unit 4—57235
Jeffrey, G.I. *see* Sultan, N. 4—38561
Jeffreys, D.C. *see* Wu, J.-M. 4—39093
Jeffries, A.D. *see* Downey, P.M. 4—33300
Jeffs, E. Combined cycle underwrites Labuan development plans 4—62360
Jeffs, E. New power markets open to Netherlands CHP operators 4—62364
Jeffs, E. Nuclear plant supplies steam to German salt refinery 4—62873
Jeffs, E. *see* Greenhalgh, G. 4—45228
Jeflea, A. *see* Melinte, S. 4—34873, 4—34902
Jeger, B. Corona protection in high voltage machines 4—36940
Jelavic, V. *see* Corak, D. 4—44985
Jelfs, A.M.P., Johnson, C., Latham, R.J., Linford, R.G. Self-discharge in solid state cells 4—62680
Jelinek, F. *see* Bahl, L.R. 4—53546
Jelinek, F. *see* Derouault, A.-M. 4—53447
Jelinkova, H., Hamal, K. Constant gain Q-switched laser 4—31412
Jellonek, K., Juroszek, B., Karkowski, Z., Liebhart, E., Liebhart, J., Malolepszy, J. An attempt to quantify the lung residual volume (RV) by means of analysis of a spirogram 4—39515
Jemczyk, I. *see* Goddard, G. 4—33135
Jenes, A. *see* Moga, M. 4—56804
Jenkin, D. Studio facilities at Television South West 4—60980
Jenkins, A., Bowers, D. NPN pairs yield ultra-low-noise op amp 4—41212
Jenkins, B.K., Strand, T.C. Computer-generated holograms for space-variant interconnections in optical logic systems 4—59628
Jenkins, C.M. *see* Rameika, R. 4—33678
Jenkins, D.D., Bartlett, G. Fuses and circuit breakers 4—57278
Jenkins, G. *see* Davidson, I. 4—48044
Jenkins, J.A. *see* Finlay, H.J. 4—30108
Jenkins, J.A. *see* Rigby, P.N. 4—29691
Jenkins, J.M. *see* Sengupta, L. 4—56140
Jenkins, J.O., Randolph, J.P., Tilley, D.G., Waters, C.A. The APL image processing laboratory [Applied Physics Laboratory] 4—48808
Jenkins, L. *see* Fakruddin, D.B. 4—62232
Jenkins, L.C. *see* Berger, R.L. 4—49425
Jenkins, P.A., Knightson, K.G. Open Systems Interconnection—an introductory guide 4—60489
Jenkins, P.A., Knightson, K.G. Open systems interconnection—the reference model 4—60511
Jenkins, S. *see* Paffard, A. 4—36033
Jenkins, S.E. Sound systems on micros 4—38962
Jenkins, T.M. *see* Ing, H. 4—33657
Jenkins, W.K. A technique for the efficient generation of projections for error correcting residue codes 4—31869
Jenkins, W.K. *see* Bell, M.J., Jr. 4—58429
Jenkins, W.K. *see* Lee, C.F. 4—29587
Jenkinson, H.A. *see* Zavada, J.M. 4—51978
Jenni, P. *see* Beer, A. 4—61682
Jennings, A. Programmes and services: programming in a straitjacket: what the law dictates 4—61070
Jennings, A. *see* Reid, J.K. 4—46193
Jennings, C.W. Insulation resistance measurements of coated and uncoated printed wiring boards 4—46672
Jennings, D.E. Calibration of diode laser spectra using a confocal etalon 4—37416
Jennings, J. *see* Minouge, P. 4—51323
Jennings, J.P. *see* Deans, C.D.P. 4—52752
Jennings, L. Lowering the installed cost of photovoltaics [small scale reflector augmented systems] 4—57345
Jennings, P. *see* McDonald, A. 4—29831
Jennings, P.I., Hurst, S.L., McDonald, A. A highly routable ULM gate array and its automated customization 4—29761
Jennings, P.I., McDonald, A., Hurst, S.L. An exercise into a highly-routable masterslice gate array topology 4—58251
Jennings, R.D., McManamon, P.M. A parametric approach to thin-route Earth station requirements 4—32745
Jenq, C.S., Wong, T., Joshi, B., Hu, C. High temperature and extended endurance characteristics of EEROM 4—35820
Jenq, Y.-C. Performance analysis of a packet switch based on single-buffered Banyan network 4—32079
Jensen, A.F. Design of balance impedances for the subscriber network 4—60401
Jensen, B. *see* LeClair, K. 4—58384
Jensen, B.K., Nour, N.E., Piascik, T.M. Utility evaluation of fusion-fission hybrids 4—34332
Jensen, D.H. *see* Evans, L.G. 4—33961
Jensen, D.J., Brey, W.W., Tong, V., Narayana, P.A., Delayre, J.L. A universal pulse programmer for NMR imaging 4—61783
Jensen, D.W. Infrared photography of microcircuit hot spots 4—36713
Jensen, E.H., Schultz, J.K. Pilot project for alternative future energy supplies to Danish villages 4—34398
Jensen, G.L., Dixon, D.R., Bruening, K., Czirr, J.B. A moderating ^{6}Li-glass neutron detector 4—39418
Jensen, H. Diapositives on video tape: Picture screen replaces projection cloth 4—32976
Jensen, J. The need for battery and fuel cell R&D 4—45618
Jensen, J. The European ECS satellites 4—54669
Jensen, J. Transmission of radio and TV from European satellites 4—54671
Jensen, J. Thermography of electrical components [power system fault monitoring] 4—56668
Jensen, J. A technical description of the traction system for electrically propelled vehicles 4—57455
Jensen, J. Electric cars. III. Production and economy 4—57457
Jensen, J., Martin, K. Use of E-beam for random access read and write of digital test signals 4—52307
Jensen, J. *see* Dell, R.M. 4—45613
Jensen, J.E. Ion beam resists 4—52224
Jensen, M.H. *see* Alstrom, P. 4—52506
Jensen, R. *see* Barron, E.N. 4—57910
Jensen, R.E. Applications of the draft IEEE standard for specifying and evaluating voiceband channel transmission performance 4—32229
Jensen, R.J., Cummings, J.P., Vora, H. Copper/polyimide materials system for high performance packaging 4—58650
Jensen, S. EMC problems related to broadcast services 4—32917
Jensen, S.E. Rising electricity prices reduce the competitiveness of industry 4—39796
Jensen, U. Optimal replacement with non-monotone failure rates 4—40886
Jensen, W., Eason, K. International studies of human factors in teleinformatics 4—60498
Jenzer, P. Dynamic pipe control with a multiple digit automatic measuring device 4—44614
Jenzer, U. *see* Walti, B. 4—59687
Jeon Sun Mi *see* Sun Mi Jeon
Jeong, T.H. Progress in pictorial holography 4—37485
Jeong Ei Bae *see* Jeong Moon Lee 4—46581
Jeong Jong Nam *see* Jong Nam Jeong
Jeong Moon Lee, Jeong Ei Bae, Kye Keun Choi An implementation of digital filters using the residue number system of small modulus 4—46581
Jeppesen, P. Optical fibre developments 4—60872
Jepps, S., Dyer, J., Firth, R., Newton, N. High-resolution processing of analogue high-frequency seismic data 4—38016
Jeppson, M.R., Smith, F.J. Microwave methods enable energy savings in restoration of highway pavements 4—40609
Jepsen, D.W., Gelatt, C.D., Jr. Macro placement by Monte Carlo annealing 4—29596
Jepson, A., Spence, A. On implicit ordinary differential equations 4—50719
Jequier, N. Telecommunications for development: findings of the ITU-OECD project 4—43524
Jequier, N. Telecommunications for Development: the main findings of the ITU-OECD project 4—53994
Jequier, N. An agenda for new research on telecommunications and development 4—54002
Jequier, N. The indirect employment-generating effects of investments in telecommunications 4—54131
Jergel, M. 10.7 T to 14.2 T in a combined superconducting magnet at the EU CEFV SAV 4—42312
Jerinic, G., Schindler, M., Cobb, M., Fines, J. Ka/Q band GaAs IMPATT amplifier technology 4—36068
Jerisian, R., Loup, J.P., Gautron, J. Influence of oxygen on the behaviour of diodes fabricated from sputtered TiO_2 films on gold 4—51917
Jermaine, S.M., Miller, F.H. Data processing of INSAT meteorological imagery 4—53821
Jerman, S. *see* Jardine, P. 4—56145
Jerome, D. *see* Tomic, S. 4—58759
Jeromin, L.L., Chan, V.W.S. Modulation design for heterodyne optical communication system 4—32823
Jeromin, L.L., Chan, V.W.S. Performance of a coded optical communication system using an APD direct detection receiver 4—44141
Jeromin, L.L., Chan, V.W.S. Performance estimates for a coherent optical communication system 4—54807
Jerominek, H., Opilski, Z., Kadziela, J. Some elements of integrated optics circuits based on planar gradient glass waveguides 4—31174
Jerominek, H., Pomerleau, J.Y.D., Tremblay, R., Delisle, C. An integrated acousto-optic bistable device 4—59287
Jerominek, H. *see* Finak, J. 4—31142
Jerrum, M.R., Skyum, S. Families of fixed degree graphs for processor interconnection 4—29356
Jeruchim, M.C. Techniques for estimating the bit error rate in the simulation of digital communications systems 4—37792
Jeruchim, M.C. *see* Hedinger, R.A. 4—54676
Jeruchim, M.C. *see* Shadman, A. 4—37653
Jervis, B.W., Allen, E., Johnson, T.E., Nichols, M.J., Hudson, N.R. The application of pattern recognition techniques to the contingent negative variation for the differentiation of subject categories 4—44745
Jervis, M.W. Control and instrumentation of large nuclear power stations. A review of future trends 4—62318
Jeryan, R.A. *see* Lorusso, J.A. 4—44640
Jesionek, J. *see* Balakier, G. 4—42470
Jespersen, J.L. *see* Kamas, G. 4—33422
Jess, J.A.G. *see* van Eijndhoven, J.T.J. 4—29619
Jessen, K. Improved digital architecture speeds in-circuit testing 4—39021
Jesshope, C.R. A reconfigurable processor array for VLSI 4—58392
Jestrich, H.-A. *see* Engelke, W. 4—49843
Jetleb, P. *see* Stojar, V. 4—62849
Jette, A.N. *see* Bargeron, C.B. 4—47555
Jettenberger, L. Applicant in pilot scheme Ludwigshafen (case history) [private TV company] 4—54950
Jeung, V.C., Daly, J.C. NMOS multiplexer for fiber optics 4—54830
Jeunhomme, L. Monomode optical fibres: the electronic telecommunication 4—42378
Jeunhomme, L. *see* Bernard, J.J 4—54793
Jevons, M.J. *see* Bhargava, S.C. 4—62511
Jevtovic, M., Jovanovic, N., Stamenkovic, T., Zlatanovic, C., Arandelovic, M., Ilic, J. Design of projects for terminals for data processing and transmission on the basis of flexible functional modules 4—60580
Jewell, J.L. *see* Venkatesan, T. 4—53076
Jewell, W.T. *see* Rizy, D.T. 4—56607
Jewulski, J., Suski, L. Model of the isotropic anode in the molten carbonate fuel cell 4—34868
Jeyasurya, B., Smolinski, W.J. Design and testing of a microprocessor-based distance relay 4—45161
Jezernik, K. *see* Dolinar, D. 4—34090
Jha, C.S. *see* Murthy, S.S. 4—49883
Jha, C.S. *see* Singh, B. 4—62528
Jha, C.S. *see* Tripathy, S.C. 4—34606, 4—45279

Jha, R., Lal, D. A device for routine studies of nuclear track annealing in mineral grains 4—56269
Jhun, T.J. *see* Kimnel, E.A. 4—49751
Jhy-Jiun Chang, Ho, C.H. Nonlocal response to a focused laser beam in one-dimensional Josephson tunnel junctions 4—52481
Ji Bohong *see* Yan Luguang 4—47228
Ji Guoshu *see* Ye Peixuan 4—37465
Ji Liang Ma *see* Ma Ji Liang
Ji Rongcai *see* Zhong Qiming 4—31190
Ji Tianlai *see* Yao Guangtao 4—58006
Ji-Ching Zou *see* Zou Ji-Ching
Ji-guang Sun *see* Sun Ji-guang
Ji-jie Guo *see* Guo Ji-jie
Ji-Kui Luo *see* Luo Ji-Kui
Ji-lian Yang *see* Yang Ji-lian
Ji-shen Wang *see* Wang Ji-shen
Ji-wen Yan *see* Yan Ji-wen
Ji-xiang Deng *see* Deng Ji-xiang
Jia-Cong Du *see* Du Jia-Cong
Jia-ming Tang *see* Tang Jia-ming
Jia-ning Wei *see* Wei Jia-ning
Jia-ruo Wan *see* Wan Jia-ruo
Jia-xing He *see* He Jia-xing
Jia-yu Ye *see* Ye Jia-yu
Jia-yuan Yang *see* Yang Jia-yuan
Jiabiao Zheng *see* Zheng Jiabiao
Jiadong Xu *see* Xu Jiadong
Jiahai Wang *see* Wang Jiahai
Jiaju Zhao *see* Zhao Jiaju
Jiaming Zhao *see* Zhao Jiaming
Jian Chinlin *see* Chen Tirong 4—37405
Jian Minhua *see* Gao Fuyuan 4—31470
Jian Shen *see* Shen Jian
Jian Shuisheng, Yang Chongzhi Study of interference arising from radio wave induction into telecommunication cables 4—60632
Jian Sun *see* Sun Jian
Jian Wang *see* Wang Jian
Jian-an Chao *see* Chao Jian-an
Jian-dong Bai *see* Bai Jian-dong
Jian-hua Dai *see* Dai Jian-hua
Jian-min Xu *see* Xu Jian-min
Jian-Shan Li *see* Li Jian-Shan
Jian-sun Nie *see* Nie Jian-sun
Jian-wu Chen *see* Chen Jian-wu
Jian-zhon Wang *see* Wang Jian-zhon
Jian-Zhong Jiao, Ben Wang, Hong Liu Wigner distribution function and optical geometrical transformation 4—42724
Jianan Qin *see* Qin Jianan
Jiang, D.P. *see* Kelly, G.L. 4—48200
Jiang, Q., Davidovici, S., Schilling, D.L. Double threshold acquisition scheme in frequency hopping spread spectrum 4—37953
Jiang, Y.-N. *see* Fonstad, C.G. 4—59505
Jiang Anmin *see* Li Xishan 4—53096
Jiang Chun-hua *see* Li Jin 4—31144
Jiang Daiwei *see* Mo Peigen 4—29455
Jiang Hui *see* Lei Shizhan 4—59369
Jiang Jingkai, Xiao Lianfang, Wang Jiahai Effects of as-cast crystalline structure and Cu segregation on coercivity of $Sm(Co, Cu, Fe, Mn)_{7.8}$ permanent magnet 4—31027
Jiang Sinan *see* Zhou Bojun 4—46214
Jiang Wen-hua *see* Zhang De 4—59111
Jiang Wen-hwa *see* Shui Yong-an 4—62008
Jiang Xiuming *see* Li Shenhua 4—52935
Jiang Ya-Jing *see* Du You-Wei 4—50836
Jiang Yasi *see* Zhuo Dunshui 4—31091
Jiang Yingqiu *see* Zhong Qiming 4—31190
Jiang Yingying, Tang Shiqing A spark gap switch for repetitive excimer lasers 4—59568
Jiang Yingying *see* Tang Shing 4—31448
Jiang Yingying *see* Tang Shiqing 4—37291
Jiang Zaiying *see* Zhao Jianrong 4—31303, 4—59414
Jiang Zhilong *see* Fan Dianyuan 4—31194
Jiang Zhonghong, Zhao Xiangshu, Su Baorong, Hu Xingyuan, Song Xiuyu, Qian Zheng Research on CO_2 laser melting on high silica glass systems 4—59673
Jiang Zunfu Analysis and calculation of a high Q fin-line discontinuities in E-plane of rectangular waveguide 4—47654
Jianguo Wang *see* Wang Jianguo
Jianjian Guo *see* Guo Jianjian
Jianjian Xu *see* Xu Jianjian
Jianming Huang *see* Huang Jianming
Jianping Shen *see* Shen Jianping
Jianqun Yang *see* Yang Jianqun
Jianrong Zhao *see* Zhao Jianrong
Jianru Han *see* Han Jianru
Jiansheng Xia *see* Xia Jiansheng
Jianwen Chen *see* Zhang Dake 4—59412
Jianwen Chen *see* Chen Jianwen
Jiao Jian-Zhong *see* Jian-Zhong Jiao
Jiao Zheng-Kuan, Chen Zhuo-Min, Ding Li-Ren, Wang En-Yue, Wang Qian, Zheng Zhi-Qin Acoustic emission in Nb-Ti superconductors 4—52477
Jiao Zhengkuan, Li Baozeng, Han Hanmin, Chen Zhuomin, Ding Liren, Zhou Ailian, Shi Airu, Wang Kuiwu, Wang Jingxing, Wang Qian, Li Yuezhen, Wang Enyao, Li Xiuying, Tang Kairong, Zhang Yaoxiang A NbTi magnet with 5.5 T and 40 mm bore smeared with wax-alumina 4—42306
Jiao Zhengkuan *see* Hu Weisheng 4—44631
Jiao Zhengkuan *see* Wang Enyue 4—47226, 4—59161
Jiaxi Kan *see* Kan Jiaxi
Jiazhang Li *see* Li Jiazhang
Jiazhi Li *see* Li Jiazhi
Jiben Liang *see* Liang Jiben
Jidai, E., Hashizume, A., Hirabayashi, S., Imai, H., Kyuka, M., Kuyama, K. Electrodeposited mica insulation system 4—36971
Jidai, E., Nakajima, H., Suzuki, M., Nakao, S. Practical application of MEDIS wires to electrical machines 4—30143
Jie Xu *see* Xu Jie
Jie Yan *see* Yan Jie
Jie-chang Fan *see* Fan Jie-chang
Jie-Fei Zheng *see* Zheng Jie-Fei
Jigour, R. *see* Goldberger, A. 4—51360
Jiing-Lih Farh, Hoffman, R.C., Hegarty, W.H. Assessing environmental scanning at the subunit level: a multitrait-multimethod analysis 4—50623
Jikan Zeng *see* Zeng Jikan
Jilek, J. The ZN 427 A/D convertor 4—29953
Jilek, V. *see* Kottek, E. 4—48993
Jilin Zhang *see* Zhang Jilin
Jimao Ma *see* Ma Jimao
Jimbo, Y., Nakamura, O., Kimura, T. Synchronous modem design using VLSIs 4—41255
Jimenez, A.J. Recessed oxide isolation having a planar surface 4—30538
Jimenez, B. *see* Mendiola, J. 4—30846
Jimenez, J., Gonzalez, M.A., De Saja, J.A., Bonnafe, J. A study on the photoconductivity of a set of horizontal Bridgman semi-insulating GaAs ingots 4—37197
Jimenez, J. *see* Sherman, R.H. 4—54402
Jimenez, J.J. *see* Comeron, A. 4—53274
Jimenez, M.Quero *see* Quero Jimenez, M.
Jimenez-Dominguez, H., Cabral-Prieto, A., Flores-LLamas, H., Galindo, S., Ramirez-Jimenez, F.J. An inexpensive method to increase the counting rate of a ^{57}Co Mossbauer spectrometer 4—33777
Jimenez-Dominguez, H., Flores-Llamas, H., Cabral-Prieto, A., Ramirez-Jimenez, F.J., Galindo, S. Capacitive axial position and speed transduction system 4—61346
Jimenez-Moreno, I. *see* Noyola-Isgleas, A. 4—49219
Jin, H. *see* Baker, S.I. 4—33727
Jin, S., van Dover, R.B., Sherwood, R.C., Tiefel, T.H. Magnetic sensors using Fe-Cr-Ni alloys with square hysteresis loops 4—33257
Jin, S. *see* Tiefel, T.H. 4—30960
Jin Au Kong *see* Jay Kyoon Lee 4—59727
Jin Chao-ding *see* Zhang Hong-jun 4—52711
Jin Chengqian *see* Yuan Hailin 4—61566
Jin Deyun, Chen Shizheo, Huang Guosong Study on oscillation characteristics of laser resonators 4—47478
Jin Deyun *see* Gan Fuxi 4—53058
Jin Feng *see* Li Yushan 4—59265
Jin Fennian *see* Li Gang 4—59597
Jin Li *see* Li Jin
Jin Linfa, Zhang Hongfen, Yang Benqi Broadband high reflectivity mirror for tunable dye lasers 4—31428
Jin Linfa, Zhang Hongfen, Yang Benqi Research on refractive index of some oxide films used in lasers 4—59182
Jin Seob Aoum, Cheol Ho Kang, Chung Han Lee Nonlinear smoothing algorithm by using a combination of median filters 4—47908
Jin Tingzhen *see* Tang Xingli 4—31427, 4—37407, 4—59458
Jin Xin, Chen Wuming, Ying Zhaomin, Xu Jianjian Development in measuring liquid hydrogen fluid density by using the microwave open-ended cavity tuned oscillator 4—39335
Jin Zhaoting *see* Cui Yuanri 4—50822
Jin-An Song *see* Song Jin-An
Jin-duo Zhang *see* Zhang Jin-duo
Jin-lin Zhang *see* Zhang Jin-lin
Jin-Tong Zhang *see* Zhang Jin-Tong
Jin-xiang Xie *see* Xie Jin-xiang
Jin-yuan Ma *see* Ma Jin-yuan
Jinbo, T. *see* Hara, T. 4—58802
Jincheng Shui *see* Shui Jincheng
Jinchun Chen *see* Chen Jinchun
Jinda, A. *see* Hijikigawa, M. 4—33976
Jindal, R.P. *see* Warner, R.M., Jr. 4—51824
Jindra, J., Krejci, I., Mrha, J., Folkesson, B., Johansson, L.Y., Larsson, R. ESCA investigations on plastic-bonded nickel oxide electrodes 4—62689
Jing, Z., Fam, A.T. Design of finite wordlength IIR filters by successive discretization and reoptimization 4—30030
Jing, Z., Fam, A.T. A new structure for narrow transition band, lowpass digital filter design 4—43338
Jing Ping Zhang *see* Baeri, P. 4—58824
Jing Tianfen *see* Wang Xiaojing 4—52929
Jing Zeng *see* Zeng Jing
Jing Zhaoqian China's national space program 4—61858
Jing-fang Xu *see* Xu Jing-fang
Jing-gao Fei *see* Fei Jing-gao
Jing-tang He *see* Yi-fan Gu 4—61669
Jing-Xi Cao *see* Cao Jing-Xi
Jingfen Hong *see* Hong Jingfen
Jingkai Jiang *see* Jiang Jingkai
Jingliang He High voltage engineering educational and research programs at Chinese universities 4—45884
Jinglin Chen *see* Chen Jinglin
Jingshan Xie *see* Xie Jingshan
Jinguji, K. *see* Kaino, T. 4—52600
Jingwen Li *see* Li Jingwen
Jingxian Li *see* Li Jingxian
Jingxing Dong *see* Dong Jingxing
Jingxing Wang *see* Wang Jingxing
Jingyang Chen, Junhong Wu Non-nodal interpolation: an improved technique for the uniform B-spline method 4—57933
Jingyi Li *see* Li Jingyi
Jingyi Liu *see* Liu Jingyi
Jingyu Xu *see* Xu Jingyu
Jingyun Wang *see* Wang Jingyun
Jingzhi Bai *see* Bai Jingzhi
Jinhua Yang *see* Yang Jinhua
Jinks, B. Design and implementation of a program for schematic capture 4—30728
Jinkun Jan *see* Jan Jinkun
Jinlin Du *see* Du Jinlin
Jinshou Liu *see* Liu Jinshou
Jinsi Cui *see* Cui Jinsi
Jinsong Zhu *see* Zhu Jinsong
Jintang Zhan *see* Zhan Jintang
Jinwen Su *see* Su Jinwen
Jinyi Rui *see* Rui Jinyi
Jinying Zhang *see* Zhang Jinying
Jiong Yu *see* Yu Jiong
Jipin Chen *see* Chen Jipin
Jipson, V.B. The writing mechanism for discontinuous metal films 4—52534
Jiqing Zou *see* Zou Jiqing
Jiran Zao *see* Zao Jiran
Jirik, R. Digital calibration of instruments. Digital technique reduces components, time and costs 4—44386
Jirmann, J. A FM-transceiver for 10 GHz with dielectrically-stabilized oscillator 4—43969
Jirmann, J. A simple pyroelectric power meter for the FIR range 4—61396
Jirmann, J., Schuster, M.R., Bauer, G. A new stabilization system for optically pumped CW far infrared lasers 4—59571
Jirovsky, I. *see* Jojko, Z. 4—45790
Jisheng Xu *see* Xu Jisheng
Jishi Hang *see* Hang Jishi
Jitao Wang *see* Wang Jitao
Jitsumori, A. *see* Kuroda, S. 4—62018
Jitsumori, A. *see* Miyoshi, T. 4—34013
Jiu-chun Liang *see* Liang Jiu-chun
Jiu-Jing Pan *see* Pan Jiu-Jing
Jiuchun Liang *see* Liang Jiuchun
Jiuyuan Zhao *see* Zhao Jiuyuan
Jixin Dai *see* Dai Jixin
Jiyang Wang *see* Wang Jiyang
Jizhan Qiu *see* Qiu Jizhan
Jizhong Wang *see* Wang Jizhong
Jo Lim Han *see* Han Jo Lim
Jo-Mei Chang, Maxemchuk, N.F. Reliable broadcast protocols 4—60508
Joannopoulos, J.D., Lucovsky, G. *(editor)* Physics of hydrogenated amorphous silicon II. Electronic and vibrational properties 4—35119
Jochem, W. DC/DC converter uses low power 4—50942
Jocher, W.F., Dolan, R.J., Yochheim, E.D. Secondary cycle cleanup procedure at Salem 4—49680
Joe, D.M. *see* Ajioka, J.S. 4—37765
Joel, A.E., Jr. The past 100 years in telecommunications switching 4—54514
Joel, A.E., Jr. Progress report: North American installations of time division digital switches 4—60607
Joensuu, J. *see* Kortela, U. 4—40079
Joetten, R., Schierling, H. Control of the induction machine in the field weakening range 4—49893
Joetten, R., Zimmermann, P. Sub and super synchronous cascade with current source inverter 4—50139
Jofre, L. *see* Bolomey, J.C. 4—39607, 4—56096
Johannesen, K. Capacity considerations of amplitude companded single sideband (DAMA) systems for rural satellite applications 4—32773
Johannessen, R. VHF radio lighthouse 4—38704
Johannesson, R. *see* Cedervall, M. 4—37870
Johanning, J. *see* Bammert, K. 4—40133
Johannsen, K.G. Capacity considerations of companded single sideband satellite systems for rural satellite applications 4—54729
Johansen, A., Kjonigsen, J. A fully integrated solution to subscriber line management problems 4—60565
Johansen, B. *see* Eneborg, M. 4—54524
Johansen, P., Jones, N., Clausen, J. A method for detecting structure in polyhedra 4—53888
Johanson, N.R. *see* Wu, Y.C.L. 4—40485
Johansson, H. *see* Insulander, J. 4—43559
Johansson, J. *see* Kollberg, E.L. 4—37754
Johansson, K. *see* Jansson, B. 4—54105
Johansson, L. Transducers become more intelligent 4—61330

Johansson, L.Y. *see* Jindra, J. 4—62689
Johansson, P. Improved reliability justifies higher price [telecommunications equipment purchasing] 4—60298
Johansson, S. *see* Madala, H. 4—60151
Johl, J.T. VLSI design for Reed-Solomon encoder 4—60439
John, R.C.St. *see* St. John, R.C.
John, V. *see* Sonsky, M. 4—58438
John, V.I., Dawson, G.E., Baicoianu, D. Energy efficient train performance simulation for LIM propelled urban transit systems 4—57474
John, V.I. *see* Eastham, A.R. 4—34967
John, W.De *see* De John, W.
Johnen, G. A satellite telecommunication system for remote and rural areas 4—54722
Johns, A.T. *see* Aggarwal, R.K. 4—62150
Johns, H.C. Experimental data access module for Monarch 4—60599
Johns, R.H. Watch a warhorse work [radio receiver] 4—48568
Johnson, A. DRUID—a colour graphic ultrasonic imaging device 4—39748
Johnson, A.H. *see* Hayward, C. 4—47260
Johnson, A.H. *see* Hayward, C.E. 4—37115
Johnson, A.L., Hocutt, A.M. Scintillation results from ionospheric modification experiment 4—47617
Johnson, A.M., Glass, A.M., Olson, D.H., Simpson, W.M., Harbison, J.P. High quantum efficiency a-Si:H picosecond transit-time limited Schottky barrier photodetectors 4—61398
Johnson, A.M., Stolen, R.H., Simpson, W.M. 80× single-stage compression of frequency doubled Nd:yttrium aluminum garnet laser pulses 4—31441
Johnson, A.M. *see* Coleman, R.V. 4—36356
Johnson, A.M. *see* Glass, A.M. 4—42694
Johnson, A.M. *see* Liao, P.F. 4—58817
Johnson, B. *see* Walsh, J. 4—52839, 4—59377
Johnson, B.C., Moulton, P.F., Mooradian, A. Mode-locked operation of Co:MgF_2 and Ni:MgF_2 lasers 4—31356
Johnson, B.M. *see* Hauser, S.G. 4—34445
Johnson, B.M. *see* Hershcovitch, A.I. 4—61612
Johnson, C., Wilbarg, R.R. Plasma-induced hardening of photoresists—various gases 4—36400
Johnson, C. *see* Jelfs, A.M.P. 4—62680
Johnson, C., Jr., Ogura, S., Riseman, J., Rovedo, N., Shepard, J.F. Method for making submicron dimensions in structures using sidewall image transfer techniques 4—36842
Johnson, C.B., Blank, R.E. Computer interfaced image tube intensified self-scanned array cameras and instruments 4—54998
Johnson, C.D. *see* Mohadjer, M. 4—49554, 4—62079
Johnson, C.L. *see* Bartley, G.K. 4—51672, 4—58647
Johnson, C.R., Jr. Adaptive IIR filtering: current results and open issues 4—43310
Johnson, C.R., Jr. *see* Heegard, C. 4—53380
Johnson, D. VLSI testers ramp up capabilities for mixed-signal chips and hybrids 4—44400
Johnson, D., Wyrobnik, I. Cortical evoked potentials using a microcomputer for stimulation and analysis 4—61790
Johnson, D. *see* Golio, J.M. 4—58934
Johnson, D.A. Digitally controlled pulse-width generation 4—51039
Johnson, D.A. Robotic assembly aids automation 4—57813
Johnson, D.C. *see* Hill, K.O. 4—52669
Johnson, D.G. Selection criteria for stream turbine units in small power plants utilizing waste gas heat 4—62395
Johnson, D.G., Sewell, J.I. Improved z plane polynomial interpolative analysis of switched-capacitor networks 4—50927
Johnson, D.H. Signal processing software tools 4—55351
Johnson, D.H., Ayers, A.D., Zupancic, R.L., Alberto, V.S., Bailey, J.C. Design of a safe cylindrical lithium/thionyl chloride cell 4—34829
Johnson, D.H., Linebarger, D. Signal processing models for point processes 4—60049
Johnson, D.H. *see* De Graaf, S.R. 4—59888
Johnson, D.H. *see* McGinn, D.P. 4—37977
Johnson, D.J. *see* Leeper, R.J. 4—33772
Johnson, D.S., Thomas, E.A., Block, R.C., Sich, A.R. The radiation resistance of some common insulating varnishes 4—30875
Johnson, D.S., Thomas, E.A., Block, R.C., Sich, A.R. Radiation aging of insulating resins, electrical effects, 4—59083
Johnson, D.W. Multilayer resist processes and alternatives 4—47066
Johnson, D.W. Thermolysis of positive photoresists 4—58835
Johnson, D.W., Murphy, D.W. Optimizing performance of the wet FGD system at Sikeston Power Station 4—49764
Johnson, E.G., Kerrick, W.E. Design concept for an advanced light water breeder reactor 4—40034
Johnson, E.O. *see* Tosima, S. 4—35304
Johnson, E.T. Regional dialect recognition is in the offing 4—43245
Johnson, E.W. *see* Walker, G. 4—49720
Johnson, F.G. Hydro power in the UK—past performance and potential for future development 4—45342
Johnson, F.G. High performance AC drives for the machine tool industry 4—57639
Johnson, G.A., Danieley, N., Suddarth, S., Dunnick, N.R. A system for digital videodensitometry 4—49157
Johnson, G.C. Acoustoelastic response of polycrystalline aggregates exhibiting transverse isotropy 4—29550
Johnson, G.E., Law, K.Y. Laser marking of ablative organic dye-in-polymer films 4—52533
Johnson, G.J. Analysis of the modified Tomota-Sugiyama-Yamaguchi multiplier 4—30054
Johnson, G.W., Cohen, A.O., Modugno, E.J., Shier, C.W. Optimal passive localization from a single sensor using multiple linear hypotheses 4—60132
Johnson, G.W. *see* Modugno, E.J. 4—59906
Johnson, H.W. An inside look at the new ROLM BXC II architecture [computerised branch exchange] 4—54537
Johnson, H.W., Burrus, C.S. An in-order, in-place radix-2 FFT 4—50731
Johnson, H.W. *see* Heideman, M.T. 4—58000
Johnson, J. Videotex hits the office 4—43703
Johnson, J.A. Numerical calculations of ultrasonic fields.I. transducer near fields 4—29553
Johnson, J.F. Applications of thermal analysis to studies of field aged distribution cables 4—36101
Johnson, J.F. *see* Prottas, R.D. 4—59081
Johnson, J.F. *see* Roto, M.A. 4—30873
Johnson, J.H., Jr. Planning for spontaneous evacuation during a radiological emergency 4—45213
Johnson, J.R. Laser material processing in today's industries 4—59682
Johnson, J.R. *see* Choi, J. 4—50730
Johnson, K. Standby power—the luxury few can afford? 4—56521
Johnson, K.I. *see* Bagg, M.T. 4—56329
Johnson, K.M. *see* Hesselink, L. 4—42732
Johnson, K.R. *see* Brown, E.P.M. 4—56437
Johnson, L.C. *see* Mansfield, D.K. 4—42565
Johnson, L.C. *see* Semet, A. 4—59676
Johnson, L.F. *see* Olsson, N.A. 4—59209
Johnson, L.H. *see* Gardner, R.N. 4—47311
Johnson, L.M. *see* Becker, R.A. 4—42408
Johnson, M. Mixed-fiber interferometric sensor with microretroreflectors 4—52639
Johnson, M., Jokerst, N.M. Self-detecting light-emitting diode optical sensor 4—55412
Johnson, M.E. Generating multivariate distributions for statistical applications 4—35363
Johnson, M.J. Analysis of routing table update activity after resource recovery in a distributed computer network 4—38336
Johnson, M.J. *see* Bronaugh, E.L. 4—39281
Johnson, M.J. *see* Gorakhpurwalla, H.D. 4—61477
Johnson, M.J. *see* Lucas, J.H. 4—61835
Johnson, N.R., Baktash, C., Lee, I.Y. Bismuth germanate's role in the new revolution in gamma-ray spectroscopy 4—33696
Johnson, P.A., Jr. *see* Vatne, R.S. 4—55604
Johnson, P.B. *see* Hobson, W.S. 4—52772
Johnson, P.E. *see* Lee, C.C. 4—51547
Johnson, P.R. *see* Mendel, C.W. 4—55806
Johnson, R. The Wheatstone bridge reduction in network reliability computations 4—50593
Johnson, R. *see* Buck, J.T. 4—43288
Johnson, R.A. *see* Baird, A.W. 4—47185
Johnson, R.E. Scanning pencil beam precision approach radar 4—38670
Johnson, R.E. *see* Gaudenzi, G.J. 4—29790, 4—35760
Johnson, R.E. *see* Streat, N. 4—49807
Johnson, R.G. *see* Dias, M.S. 4—61692
Johnson, R.H., James, J.R., Hand, J.W. The design and performance of new compact microwave applicators for inducing local hyperthermia 4—39611
Johnson, R.H. *see* Davis, R.E., Jr. 4—56947
Johnson, R.H. *see* Hand, J.W. 4—39608
Johnson, R.H. *see* James, J.R. 4—39610
Johnson, R.H. *see* Trusk, J.F. 4—49653
Johnson, R.K. *see* Browngardt, R.P. 4—56710
Johnson, R.P. Further characterization of the 4.4-μm ^{13}C $^{16}O_2$ cascade laser 4—47401
Johnson, R.T., Biefeld, R.M., Sayre, J.A. High-temperature electrical conductivity and thermal decomposition of Sylgard 184 and mixtures containing hollow microspherical fillers 4—52344
Johnson, R.T., Jr., Thome, F.V., Craft, C.M. Aging of electronics with application to nuclear power plant instrumentation 4—34284
Johnson, R.V. *see* Flores, L.N. 4—42411
Johnson, R.V. *see* Sprague, R.A. 4—31527
Johnson, R.W., Musicus, B.R. Multichannel relative-entropy spectrum analysis 4—53726
Johnson, R.W., Shore, J.E. Which is the better entropy expression for speech processing: S log S or log S? 4—31916
Johnson, R.W., Shore, J.E. Which is the best entropy expression for speech processing: —S log S or log S? 4—43281
Johnson, R.W., Shore, J.E. Multisignal minimum-cross-entropy spectrum analysis with weighted priors 4—43382
Johnson, R.W., Shore, J.E. Power spectrum estimation by means of relative-entropy minimization with uncertain constraints 4—53728
Johnson, R.W., Shore, J.E., Burg, J.P. Multisignal minimum-cross-entropy spectrum analysis with weighted initial estimates 4—47844
Johnson, S. *see* Sherwin, C. 4—56312
Johnson, S.C. VLSI circuit design reaches the level of architectural description 4—42082
Johnson, S.C. *see* Cuykendall, R. 4—42108, 4—52246
Johnson, S.D. *see* Barcomb, J.G. 4—58149
Johnson, S.G. *see* Grossman, M.W. 4—57509
Johnson, T. Europe's information technology boom focuses on DDP 4—46058
Johnson, T.A., Knepper, R.W., Marcello, V., Wang, W. Chip substrate resistance modeling technique for integrated circuit design 4—36651
Johnson, T.E. *see* Jervis, B.W. 4—44745
Johnson, T.H. Lead salt detectors and arrays. PbS and PbSe 4—55471
Johnson, T.R. *see* Smyk, E.B. 4—40181
Johnson, V.L. *see* Garmany, W.J. 4—38713
Johnson, W.A., Ziolkowski, R.W. The scattering of an H-polarized plane wave from an axially slotted infinite cylinder: a dual series approach 4—47604
Johnson, W.B., Maddox, M.E. Status of diagnostic training in the nuclear utility industry 4—40755
Johnson, W.K. *see* Abbott, J.J. 4—35341
Johnson, W.K. *see* Wong, C.S. 4—44924
Johnson, W.N. A VLSI superminicomputer CPU 4—51303
Johnson, W.P. Techniques enable the avoidance and suppression of terrestrial interference in receive-only earth stations 4—54683
Johnston, A. *see* Bowden, G. 4—55830
Johnston, D. *see* Lerner, E.J. 4—50364
Johnston, E.C. INTELSAT space segment 4—48452
Johnston, G.I. Modeling for management of clinical engineering systems 4—49111
Johnston, G.L., Davidson, R.C. Effects of nonlinear oscillatory particle motion on low-gain free electron laser 4—31282
Johnston, G.L., Davidson, R.C. Resonant helically distorted relativistic electron beam equilibria for free electron laser applications 4—31608
Johnston, G.L. *see* Davies, J.A. 4—31281
Johnston, J.A. Generating analogue FM pulses using a 1 bit digital technique [pulse compression radar] 4—44150
Johnston, J.D. *see* Cox, R.V. 4—54476
Johnston, L.H. *see* George, O.E. 4—44655
Johnston, R.E. *see* Esser, P.D. *(editor)* 4—50334
Johnston, R.L. *see* Bayruns, R.J. 4—58275
Johnston, R.L. *see* Fichtner, W. 4—36630
Johnston, S. *see* Freund, H.P. 4—31280
Johnston, S.B. Construct a dual-purpose ICOM HT battery pack [handheld transceivers] 4—60687
Johnston, S.L. Comments on 'Effectiveness of a ground jammer' 4—44152
Johnston, S.W., Poole, R.K. Optimization of packet networks with remote concentrators 4—32224
Johnston, W.D. *see* Tu, C.W. 4—51920
Johnston, W.D. *see* Wilt, D.P. 4—52984
Johnston, W.D., Jr. *see* Tu, C.W. 4—46221
Johnstone, W.T. *see* Beech, J.C. 4—33598
Jojko, Z., Kokoska, I., Prusek, J., Jirovsky, I., Trojan, V. Microcoulometric measurement of the coating thickness of electroplated deposits 4—45790
Jokerst, N.M. *see* Johnson, M. 4—55412
Jokic, S. *see* Debeauvais, M. 4—55943
Jokinen, R. *see* Voutilainen, A. 4—32628
Jokubaitis, L.K. R&M assurance for non-development programs 4—46026
Jolicoeur, A. *see* Fox, J. 4—40308
Jolin, L.J. *see* Foltyn, S.R. 4—37436
Jolin, L.J. *see* Newnam, B.E. 4—37437
Jolivet, J.-C. 34 Mbit/s digital transmission of television programs 4—48542
Jolly, M.B. *see* Wilson, J.L. 4—37643
Jolly, P.L. *see* Bector, C.R. 4—46156
Jolly, R.D., Grinolds, H.R., Groth, R. A model for conduction in floating-gate EEPROMs 4—46457
Jonah, C.D. *see* McDonald, D.B. 4—52914
Jonas, F. Calculation of transient heating of heavy current cables 4—39874
Jonas, F. Calculation of transient heating of heavy current cables. II. Model and numerical method 4—56613
Jonas, H.-J. Automatic test system for receiving installations 4—61219
Jonas, O. Combined water treatment improves boiler reliability 4—56814
Jonasson, B.Y. The grid network strengthens bonds across the borders. Electrical power supply in Scandinavia 4—62045

Jonelis, R.E. Achieving compliance through the mechanical upgrading of an existing precipitator 4—47567
Jones, A.H. *see* Schatz, J.F. 4—35103
Jones, B. An astronomical processing problem 4—44023
Jones, B.E. Instrument science and technology: a systemised discipline 4—33082
Jones, B.E. Optical transducers with fibre-optic links using incoherent light 4—33285
Jones, B.K. *see* Green, C.T. 4—30609
Jones, B.L., Brown, J.E. Electrical variable-speed drives 4—62729
Jones, C.D. Using a fiber optic modem of communicate with a remote operator console 4—60578
Jones, C.M., Alton, G.D., Ball, J.B., Benjamin, J.A., Biggerstaff, J.A., Erb, K.A., Hudson, E.D., Juras, R.C., Kloeppel, P.K., Lord, R.S., Ludemann, C.A., Mann, J.E., Martin, J.A., Mosko, S.W., Richardson, E.G., Sayer, R.O., Ziegler, N.F. Status report on the Holifield Heavy Ion Research Facility 4—33558
Jones, C.R. Further reductions in cost of overhead line equipment on British Railways [computerised overhead system design] 4—45130
Jones, C.V. *see* Rahim, Y.H.A. 4—56966
Jones, D.M. Parallel servo-track write and read verification with side-by-side inductive head elements 4—31002
Jones, D.P. *see* Smith, R.E. 4—56101
Jones, E., Jr. ABET accreditation of computer science and engineering programs 4—40739
Jones, E.R. *see* McLaurin, A.P. 4—61252
Jones, F., Milani, E. Intelligent EEPROMs. New prospects for nonvolatile stores 4—51201
Jones, F., Paraszczak, J., Speth, A. A new method for determining electron beam proximity correction parameters in a double layer siloxane-diazo resist system 4—42107
Jones, F. *see* Bayliss, K.H. 4—57281
Jones, F.D. *see* Cheung, S.K. 4—50954
Jones, F.D. *see* Cordaro, W. 4—46429
Jones, F.D. *see* Hengst, R.J. 4—36804
Jones, G., II, Bergmark, W.R., Jackson, W.R. Products of photodegradation for coumarin laser dyes 4—52932
Jones, G.A., Puchalska, I.B. Remanent domain structures in magnetic garnet epilayers after planar saturation 4—47178
Jones, G.D. *see* Vilar, E. 4—38579
Jones, G.F. *see* Lior, N. 4—50119
Jones, G.O.L. *see* Williams, P.J.S. 4—56296
Jones, G.R. *see* McGlade, S.M. 4—61382
Jones, G.W. *see* Kuhn, R.H. 4—44784
Jones, H.B. Z80 microprocessor interrupt register latch 4—58354
Jones, H.C. *see* Chen, M.M. 4—52498
Jones, H.J. *see* Lehman, H.S. 4—52044
Jones, H.L., Macdonald, T.J. Application of GPS to national test ranges 4—48533
Jones, H.L. *see* Macdonald, T.J. 4—38738
Jones, J. *see* Schafer, K.-D. 4—39646
Jones, J.B. Evolutionary cable television networks 4—48601
Jones, J.D.C., Corke, M., Kersey, A.D., Jackson, D.A. Single-mode fibre-optic holography 4—31508
Jones, J.D.C., Rogers, S.J. Holographic perspective 4—59638
Jones, J.D.C. *see* Corke, M. 4—52660
Jones, J.D.C. *see* Leilabady, P.A. 4—55392
Jones, J.L., Larsen, E. Use of microprocessors in hyperbaric environment 4—61760
Jones, J.L. *see* Lovik, A. 4—61759
Jones, J.R. Economic selection of transformers for commercial/industrial facilities 4—62599
Jones, J.R., Campbell, B. Economic selection of distribution transformers 4—62597
Jones, J.R., Stewart, J. Fault location on electrical transmission systems 4—62261
Jones, J.R., Varner, K. Computer-aided design of distribution systems for commercial buildings and facilities 4—62185
Jones, J.R. *see* Bhatt, V. 4—54813
Jones, K. Lightsaver [electric lamp delayed switching] 4—41521
Jones, K. *see* Hanson, A.C. 4—59566
Jones, K.A. *see* Shirreffs, B.F. 4—29508
Jones, K.A. *see* Sritharan, S. 4—29533
Jones, K.A. *see* Tu, C.W. 4—50780
Jones, K.C. Flexible cable/coil assembly for a floppy disk drive head access arm 4—52460
Jones, K.D. *see* Hunter, M.D. 4—49548
Jones, K.M. *see* Kazmerski, L.L. 4—50046
Jones, K.M. *see* Sheldon, P. 4—50750
Jones, K.W. *see* Hershcovitch, A.I. 4—61612
Jones, K.W. *see* Tsai, H.L. 4—30543
Jones, L.A. *see* Kania, D.R. 4—34784, 4—57237
Jones, L.J. Electric resistance element boilers 4—50227
Jones, M. High speed eight-bit A-to-D converter 4—29942
Jones, M. The digital sound mixer 4—33035
Jones, M. Call logging-on education 4—43633
Jones, M. Autographics Microsound 64 keyboard [computer-music interface] 4—55092
Jones, M.C. *see* Faith, T.J. 4—36692
Jones, M.R. *see* Robertson, P.J. 4—61256
Jones, M.S., Jr., Tillman, D.A. Biomass/MSW augmented OTEC systems 4—34525
Jones, N. *see* Johansen, P. 4—53888
Jones, N.B., Lago, P.J. Characterising the interference EMG 4—49221
Jones, P.A., Lamb, C., Watson, J.L. Fast radiation-induced attenuation in single-mode optical fibres 4—31106
Jones, P.M.S. Statistics and nuclear energy 4—56780
Jones, P.S. *see* Calhoun, C. 4—50300
Jones, R. Gladiator fights for revved up efficiency 4—32308
Jones, R. SNA review 4—43769
Jones, R. Where now for videotex? 4—60449
Jones, R., Dawson, S. People and robots: their safety and reliability 4—50605
Jones, R., Wykes, C.M. Holographic and speckle interferometry 4—29165
Jones, R.A., Cook, M.K. A transformation for clustering noisy shape observations 4—60266
Jones, R.A., Tejwani, Y.J. Machine recognition of partial planar shapes using feature vectors 4—60247
Jones, R.A. *see* Bowling, C.D. 4—60265
Jones, R.C. Underutilization of the engineer 4—50422
Jones, R.H., Alexander, K., Williams, G. Pre-installation testing and installation experience with a fiber-optic cored shield wire on a Rochester Gas and Electric Corporation 115 kV transmission line 4—62214
Jones, R.M. Comparison of potential electric propulsion systems for orbit transfer 4—33952
Jones, R.M., Failor, B.H., Coutts, G.W. An X-ray detection system development for Tandem Mirror Experiment Upgrade (TMX-U): hardware and software 4—61747
Jones, R.M., Sauer, C.G. Nuclear electric propulsion missions 4—61883
Jones, R.P. Operation and maintenance—overseas experience [small power system] 4—45027
Jones, R.T. *see* Bowers, D.L.K. 4—35258
Jones, S. IS transformer isolation supersedes Zener barriers 4—46642
Jones, S. MCCB/permanent power fuse—the ultimate circuit protection device? 4—57259
Jones, S.B., Russell, J.D. Survey of the present state of automation and advanced technology fusion welding in Japan and the European Community 4—40660
Jones, S.C., DiLosa, V.J. Computer model for a waveguide relay link 4—38428
Jones, S.C. *see* Braunlich, P. 4—33889
Jones, S.P. *see* Kiersztyn, S.E. 4—50184
Jones, S.S.D. *see* Diederich, P. 4—48527
Jones, T.A., Albright, C.E. Laser cavity power increases caused by reflections from workpiece surfaces 4—53114
Jones, T.A. *see* Gentry, S.J. 4—48835
Jones, T.B. Quincke rotation of spheres [electrostatic field effects] 4—53145
Jones, T.B. *see* Robinson, K.S. 4—47543
Jones, T.E., Ogden, T.R. Metallized synthetic cable 4—60640
Jones, T.W. Know the standards process for international components 4—57855
Jones, T.W., Bionta, R.M., Blewitt, G., Bratton, C.B., Cortez, B.G., Errede, S., Foster, G.W., Gajewski, W., Ganezer, K.S., Goldhaber, M., Haines, T.J., Kielczewska, D., Kropp, W.R., Learned, J.G., Lehmann, E., LoSecco, J.M., Park, H.S., Reines, F., Schultz, J., Shumard, E., Sinclair, D., Sobel, H.W., Stone, J.L., Sulak, L.R., Svoboda, R., van der Velde, J.C., Wuest, C. Experimental limits on nucleon decay and $\Delta B=2$ processes 4—55811
Jones, V. UHF television: issues in the channel spacing debate 4—60954
Jones, V.C. Data communication for a 32-bit computer workstation 4—32387
Jones, V.L. *see* Tangonan, G.L. 4—31109, 4—52675
Jones, W. *see* Steinhardt, A. 4—53776
Jones, W.D. *see* Rusch, R.J. 4—62104
Jones, W.L. Design of hybrid circuits for cryogenic sensor-amplifier interfaces 4—55383
Jong, A.de *see* de Jong, A.
Jong, C.de *see* de Jong, C.
Jong, D.A.de *see* de Jong, D.A.
Jong, D.J.de *see* de Jong, D.J.
Jong, M., Thomann, G., Masud, A. Possible reductions in heating/cooling energy requirements in Kansas residences 4—50233
Jong Hwa Lee Numerical analysis of a two-dimensional N-P-N bipolar transistor-BIPOLE 4—52074
Jong Nam Jeong, Jong Soo Choi The recovery of time limited signal by the extrapolation matrix and its applications 4—47858
Jong Soo Choi An iterative correction algorithm of incomplete projections (ICAIP) 4—56100
Jong Soo Choi *see* Jong Nam Jeong 4—47858
Jong-Keun Lee, Byung-Moon Cho, Young-Ki Baek A study of the application of EHV transmission line protective relaying system 4—62233
Jongeling, T.J.M., Heerens, W.C. The comparison of two absolute layer thickness gauges 4—55682
Jonietz, A. *see* Kuhl, J. 4—42455
Jonkman, J.A., Hanson, J.V. CCD implementations of wideband quadrature networks 4—30814
Jonscher, A.K. *see* Chaudhry, M.A. 4—59053
Jonscher, C. Economic evaluation of telecommunications investments in developing countries 4—53998
Jonsson, I. *see* Borgstrom, O. 4—43901
Jonsson, I. *see* Sorme, K. 4—32614
Joon Yeal Park *see* Chong Hwan Kim 4—49906
Joon-Ung Lee, Dae-Heum Yon Influence of the vulcanization on the dielectric properties of natural rubber 4—59049
Joong Kim Soo *see* Soo Joong Kim
Joos, G., Goodman, E.D. An adaptive controller for DC drives in the discontinuous current mode 4—34984
Joos, G., Goodman, E.D. Modelling the discontinuous conduction mode in converter-fed drives 4—57435
Joosep, H. *see* Auch, A.G. 4—41312
Joosse, C., van Willigen, D. Analysis and design considerations of hard limiters for LF and VLF Navaid receivers 4—48526
Joraide, A.A. *see* Chaudhri, M.A. 4—33258
Jorda, J. *see* Drake, J.M. 4—49255
Jorda, J. *see* Sanchez, A. 4—49247
Jordan, A.S. Confidence limits on the failure rate and a rapid projection nomogram for the log-normal distribution 4—29301
Jordan, A.S., O'Sulivan, T.D. Determination of the reliability of aerospace Ni-Cd batteries from survival data on cells fabricated between 1964 and 1977 4—57323
Jordan, A.S., O'Sullivan, T.D. Planning of aging experiments for semiconductor devices by means of the assurance test matrix 4—29302
Jordan, B., Charbonneau, S., Spangler, S. Speech output system protects sensitive pattern generators 4—43248
Jordan, D.H., Morrow, D.R., Goranson, R.W. Control loop sensor for an optical synthetic aperture 4—61556
Jordan, D.H. *see* Carreras, R.A. 4—61558
Jordan, D.L., Hollins, R.C., Jakeman, E. Speckle phenomena at 10 μm wavelength 4—37500
Jordan, D.L. *see* Hollins, R.C. 4—47416
Jordan, G. *see* Chang, J. 4—33142
Jordan, H., Verma, S.P., Seetharaman, C.K., El-Serafi, A.M. Representation of the induced currents in the solid rotor of a turbogenerator under asynchronous operation 4—34570
Jordan, J.B., Ludeman, L.C. Image segmentation using maximum entropy techniques 4—60240
Jordan, J.F. *see* Campbell, J.K. 4—49356
Jordan, J.R. *see* Blackley, W.S. 4—51282
Jordan, M.B. Log of incoming documents for advanced office systems 4—48041
Jordan, P.E. The relation between quality analysis and quality strategy in engineering companies 4—50575
Jordan, S. *see* Dwyer, R. 4—61677
Jordan, T. Flip flops serve as inverters 4—29769
Jordan, V., Meshach, W. Digital signal processing applications using the μPD7720/SPI 4—53780
Jordanov, R.S. *see* Stavrev, G.A. 4—33104
Jordon, J.R. *see* Blackley, W.S. 4—58250
Jordy, G., Mosley, J.M. Latchable 'true' and 'complement' signal generator 4—51374
Jordy, G.J. *see* Dorler, J.A. 4—35805
Jorgensen, C., Svensson, C., Ryden, K.-H. Interface trap behavior in irradiated metal-oxide-silicon structures 4—51892
Jorgensen, C.C. *see* Haas, P.M. 4—62312
Jorgensen, D.E., Hernandez, C.M. Advanced avionics system for an aerospace plane 4—44846
Jorgensen, P.S. Navigating low altitude satellites using the current four NAVSTAR/GPS satellites 4—38722
Jorges, U. Profile synthesis of the refractive index of single-mode optical fibres 4—42376
Jory, H., Bier, R., Evans, S., Felch, K., Fox, L., Huey, H., Shively, J., Spang, S. First 200 kW CW operation of a 60 GHz gyrotron 4—36188
Jory, H. *see* Felch, K. 4—36198
Jory, H.R. *see* McDermott, D.B. 4—58691
Joscelyn, K.B. *see* Chen, K. 4—35005
Joseph, B. Stop and go in the electrical repair trade 4—57780
Joseph, E.C. Preview of the future 4—29312
Joseph, G., Manjunath, A.S. Optical infrared remote sensors 4—61401
Joseph, J. *see* Clechet, P. 4—30454
Joseph, J. *see* Saint-Andre, B.V. 4—31803
Joseph, J.D., Zafar, N., Roberts, P.C.T., Hoschette, J.A., Carrison, C.L. CCD-based parallel analog processing 4—60276
Joseph, P.L., Picard, R.S. Printed circuit technology and the honey-bee brain 4—33797
Joseph, R.I. Magnetic field and field gradient corrections within a nonconducting sensor enclosure in a conducting fluid. II. Current exclusion contribution for an arbitrary axisymmetric enclosure 4—56271
Joseph, R.I. *see* Christodoulides, D.N. 4—52556, 4—59237
Joseph, S.J. *see* Swartzlander, E.E., Jr. 4—51309

Joseph, T.R. *see* Stephens, W.E. 4−42627, 4−53006
Josephs, L.C. *see* El-Masry, E.I. 4−31957
Josephson, K.A. *see* Bejjani, F.J. 4−56069
Joshi, A. *see* Jayadev, T.S. 4−46974
Joshi, B. *see* Jenq, C.S. 4−35820
Joshi, D.P., Srivastava, R.S. A model of electrical conduction in polycrystalline silicon 4−46797
Joshi, D.P., Srivastava, R.S. Mobility and carrier concentration in polycrystalline silicon 4−51769
Joshi, D.P., Srivastava, R.S. Effective diffusion length of minority carriers in polycrystalline silicon 4−58721
Joshi, J.K. *see* Clark, A.P. 4−43019
Joshi, N.V. *see* Martin, J.M. 4−52766
Joshi, S., Iyer, V. New standards for local networks push upper limits for lightwave data 4−54328
Joshi, S.C. *see* Singh, M. 4−39070
Joshi, S.N. *see* Mukhopadhyay, S.K. 4−50452
Joshin, K. *see* Niori, M. 4−41602
Joskow, P.L. The effects of fuel and electricity prices on cogeneration in the pulp and paper industry 4−45806
Joslin, J. *see* Willard, J. 4−58700
Josse, F. Temperature dependence of *SH*-wave on rotated *Y*-cut quartz with SiO_2 overlay 4−52377
Jossinet, J. *see* Cathignol, D. 4−56114
Jost, A., Simon, J. Energy saving and economical−cogeneration plants becoming increasingly attractive 4−49789
Jost, B. *see* Daum, M. 4−49059
Jost, K. *see* Krassin, H. 4−35276
Jotautis, A.P. *see* Dudonis, J.J. 4−58051
Jotov, J. *see* Christov, G. 4−29368
Jotov, M.B., Todorov, P.G. An analytic method to determine the duration of accelerated reliability testing of selene current-rectifying components 4−29297
Joullie, A., De Anda, F., Salsac, P., Mebarki, M. Zinc diffusion into GaAlSb an application to infrared detection 4−30514
Jouppi, N.P. *see* Rowen, C. 4−51305
Jourdain, G., Martin, J. Optimal data estimation system over multipath channel 4−59910
Jourdan, W. Investigating the texture characteristics of various video colour separations for the classification of coloured air photographs 4−38076
Journee, H.L., van der Meer, J.J. Optical end-tidal air-point detector built in a nonrebreathing valve 4−39552
Journee, H.L., van Manen, J. Automatic method to detect and determine the preferential frequency of EMG signals from patients with pathological tremors 4−44757
Jousse, D. *see* Deneuville, A. 4−50803
Jouve, H. *see* Arnaud, L. 4−30978
Jouvet, D., Schwartz, R. One-pass syntax-directed connected-word recognition in a time-sharing environment 4−59997
Jouwsma, W. Gas flow metering. Present flowmeters and future measurement and control systems by means of microelectronics 4−49044
Jouy, P. *see* Dei-Cas, R. 4−33762
Jovanovic, A., Danilovic, D. A new algorithm for solving the tree isomorphism problem 4−35367
Jovanovic, D. Rotor speed pulsations caused by nonsinusoidal stator current at induction machine feeding by controlled current source inverter 4−49873
Jovanovic, M. Contribution to the discussion of place and role of small hydro power stations in the electric power system of Yugoslavia and justification of their construction 4−34469
Jovanovic, N. *see* Jevtovic, M. 4−60580
Jovanovic, V.M., Budisin, S.Z. On the coding gain of linear binary block codes 4−53396
Jove, S.A. *see* Condron, M.R. 4−42258
Jover, J.-M., Kailath, T. Design framework for systolic-type arrays 4−51085
Joy, D.C. The spatial resolution limit of electron lithography 4−42093
Joy, E.F., Nealy, J.C., Weber, M., Wheeler, W.R. Resistor mounting bracket 4−30209
Joy, E.F., Nealy, J.C., Weber, M., Wheeler, W.R. Heat sink clamp 4−46702
Joy, E.F., Wheeler, W.R. Power transistor heat sink clamp plate 4−46703
Joy, E.F. *see* Henley, B.L. 4−30210
Joy, M. *see* Krolik, J. 4−60063
Joy, T. *see* Aitken, T.W. 4−33571
Joyce, H. *see* Cox, R.P. 4−44920
Joyce, J.M., Wheeler, W.R. Self-adjusting overcurrent detection for current mode, regenerative driven, high frequency power supplies 4−46336
Joyce, M. How to design a real estate efficient antenna farm. I 4−59849
Joyce, R. Mixed vendor networks 4−43795
Joyce, R.R. Indium antimonide detectors for ground-based astronomy 4−55470
Joyce, R.R. *see* Dereniak, E.L. 4−33150
Joyner, C.H. *see* Korotky, S.K. 4−37182
Joyner, W.H. *see* Cuykendall, R. 4−42108, 4−52246
Joyner, W.H., Jr. Compilation techniques in logic synthesis 4−51180
Jozwikowski, K., Nowak, M., Piotrowski, J. Interference photoelectromagnetic effect in graded-gap semiconductors 4−59309
J.R.Clegg *see* Clegg J.R.
Ju, D.-H., Warner, R.M., Jr. A quasiequilibrium approach to MOSFET modeling 4−52146
Ju, X.-D., Fu, D.-M., Mao, N.-H. VHF TV full channel loaded circular loop antenna 4−47686
Ju Hong Kim, Kwang Bo Sim, Ki Hwan Eom Feedback loudness control circuit 4−48654
Ju-fung Mei *see* Mei Ju-fung
Juang, B.-H. *see* Soong, F.K. 4−53492
Juang, S.T. *see* Berkowitz, R.S. 4−54884
Jubb, R.E. *see* Scheuble, B.S. 4−55603
Jubrink, H. Semiconductors cheap and simple as temperature transducers 4−39176
Jucha, J.A. *see* Ibbotson, D.E. 4−46939
Jucheng Zhang *see* Zhang Jucheng
Judd, D.J. *see* Rameika, R. 4−33678
Judd, D.J. *see* Wagoner, D.E. 4−33676
Judd, F.C. The early work of Guglielmo Marconi 4−37729
Judd, F.C. The early work of Guglielmo Marconi. II 4−43670
Judd, O.P. *see* Cohen, J.S. 4−31311
Judge, P. Medium speed modems 4−48319
Judickas, A. *see* Tamasevicius, A. 4−31240
Judish, R.M. Development of the NBS Measurement Assurance Program (MAP) service in RF/microwave power 4−44605
Jueneman, R.R., Matyas, S.M., Meyer, C.H. Message authentication with manipulation detection codes 4−37857
Jueterbock, D. Teletex, an important service not only for banking 4−32268
Jufang Chen *see* Chen Jufang
Jufer, M. Stepping motors: how can their performance be improved? 4−57081
Jufer, M. *see* Lakehal, M. 4−31028
Jugnet, Y. *see* Himpsel, F.J. 4−56047
Juhala, R. *see* Peck, M. 4−31087
Juhlin, L.E. *see* Le Du, A. 4−34160
Juillot, P. *see* Anderson, L. 4−55989
Jujii, S. *see* Ramachandran, G. 4−41373
Jukl, M.F. *see* Diodato, P.W. 4−35824
Julian, K. New ideas on the lead-acid battery 4−34842
Juliana, M., Nagaraja Rao, C.K., Rangarajan, N., Suryanarayana, C.V. Effect of annealing CdS sintered layers useful for solar cells 4−34898
Julie, J.J., Previ, G. Qualitative analysis of the method of detecting code frequencies in the multifrequency receiver equipping MT20-MT25 time-switched telephone exchanges 4−43497
Julien, C. *see* Eddrief, M. 4−58042
Julien, D.K. Exchanging documents on an SNA office network 4−32337
Julien, J., Bolore, M., Charlot, X., Girard, J., Pappalardo, G.S., Poitou, J., Roussel, L., Bellini, V. New approach to identify negative and positive pions with a scintillator range telescope in the 15-90 MeV pion energy interval 4−33690
Julio, L.M. Transducers for application in electronic weighing systems 4−48877
Julio, U.De *see* De Julio, U.
Julius, L. Flexible LAN use 4−38318
Jullens, R.A. *see* Kubema, R.L. 4−36883
Jullian, K. Future R and D requirements for batteries 4−45617
Jullian, S. *see* Dudelzak, B. 4−55821
Jullien, G.A., Bayoumi, M.A., Miller, W.C. RNS modules for VLSI implementation of digital filters 4−35980
Jullien, G.A. *see* Bayoumi, M.A. 4−29985
Jullien, G.A. *see* Sid-Ahmed, M.A. 4−33176
Jullien, H., Bosisio, R.G. Polymerization and surface treatment in a large volume microwave plasma generator 4−35504
Jullien, J.-P. Loudspeaker-microphone system modeling 4−43393
Juma, S.M., Yahya, A.A. Characteristics of the axial magnetic field of asymmetrical electron lenses 4−30288
Juma, S.M. *see* Al-Nakeshli, I.S. 4−41794
Jumarie, G. A model of positive and negative information in the standard framework of communication theory−application to encoding 4−53327
Jumonji, H. *see* Kihara, M. 4−61484
Jun, J. *see* Karpinski, J. 4−29465
Jun Jun Wang *see* Wang Jun Jun
Jun Li *see* Li Jun
Jun Wang *see* Wang Jun
Jun Wang Jun *see* Wang Jun Jun
Jun Zhang *see* Zhang Jun
Jun-ding Wen *see* Wen Jun-ding
Jun-hou Liang *see* Liang Jun-hou
Jun-ming Zhou Charge transfer at In-Si (111) interface and surface electromigration of indium adatoms 4−58795
Jun-qing Fan *see* Fan Jun-qing
Jun-wen Hu *see* Hu Jun-wen
Junchang Zhang *see* Zhang Junchang
Jundanian, R.H., Armitage, J.W., Shahnarian, A., Peura, R.A., Gaisi, R.M., Welch, G.W. A microprocessor based rate-pressure product computer 4−44713
Juneau, P.W., Jr. *see* Dulka, C.P. 4−59084
Jung, F. *see* Kiesewetter, H. 4−61757
Jung, H.J. An optical measurement of the deviation of international practical temperatures T_{68} from thermodynamic temperatures in the range from 730K to 930K 4−61573
Jung, K.Y. *see* Modestino, J.W. 4−31711
Jung, R., Schneider, J. Electric small power motors 4−62560
Jung, T., Braune, W., Schnurer, M., Schulze, J. Film and interface analysis of InSb MOS structures 4−30441
Jung, T., Lindholm, F.A., Neugroschel, A. Unifying view of transient response for determining lifetime and surface recombination velocity in silicon diodes and back-surface-field solar cells, with application to experimental short-circuit-current delay 4−45634
Jung, W., Gerstenhaber, M. Modem-circuit techniques simplify instrumentation designs 4−58207
Jung Hyun-kyo *see* Hyun-kyo Jung
Jung Uck Seo, Sang Chul Lee, Young Kyun Choi On performance of adaptive array and sidelobe canceller 4−53313
Jungblut, H. *see* Hansen, D. 4−45152
Jungbluth, T. Electric heating in a pig breeding establishment 4−57659
Junge, M. *see* Andreas, P. 4−60359
Junger, K *see* Burkert, E. 4−41227
Jungerman, R.L., Bennet, P., Khuri-Yakub, B.T., Kino, G.S. Optical measurements of surface displacement on acoustic transducers 4−56367
Jungerman, R.L., Khuri-Yakub, B.T., Kino, G.S. Optical detection of acoustic displacements for the characterization of surface defects 4−46270
Jungerman, R.L., Khuri-Yakub, B.T., Kino, G.S. Characterization of edge cracks using near-field acoustic displacement amplitude 4−50870
Junghans, B., Schneider, H.G. Microelectronics technologies-experiences in the application and perspectives of their development 4−30224
Junginger, R. *see* Bayer, T. 4−30221
Jungling, W., Guerrero, E., Selberherr, S. On modeling the intrinsic number and Fermi levels for device and process simulation 4−36509
Jungst, K.P., Suss, E. Superconducting helium level sensor 4−61580
Jungwirth, H.N., van der Merwe, W.G. 2D and 3D static field computation with the codes VEPO2 and POFEL3 4−33603
Junhao Zhu *see* Zhu Junhao
Junhong Wu *see* Jingyang Chen 4−57933
Junhou Liang *see* Liang Junhou
Junhua Huang *see* Huang Junhua
Junkins, J.L. *see* Vadali, S.R. 4−48680
Junliang Tian *see* Tian Junliang
Junxin Fang *see* Fang Junxin
Junyent, G. *see* Casadevall, F. 4−60867
Junyin Fan *see* Fan Junyin
Juozapavicius, R. *see* Gaidelis, V. 4−31221
Jupp, A.P. *see* Siadat, L. 4−55979
Juran, B. AMOEBA−a totally symbolic approach to VLSI layout 4−36889
Juras, R.C. *see* Jones, C.M. 4−33558
Jurca, T. *see* Pop, E. 4−61497
Jurcacko, L. *see* Gont, M. 4−57252
Jurczyszyn, M. *see* Bernard, J.J 4−54793
Jurevicius, D. *see* Gaidelis, V. 4−59316
Jurgensen, H. A note on the Arimoto-Blahut algorithm for computing the capacity of discrete memoryless channels 4−43015
Jurgensen, H., Korec, J., Heyen, M., Balk, P. Vapour phase growth of InP from the In-PH_3-HCl-H_2 system 4−29493
Jurgensen, H., Kunze, M. Characterisation of redundancy-free codes for data encoding 4−59926
Jurgensen, H., Matthews, D.E. Some results on the information theoretic analysis of cryptosystems 4−53443
Juri, R.O. *see* Gellon, H. 4−39749
Jurke, M., Graw, R. Comparison of alternative cable routes 4−45110
Juroda, T. *see* Kinoshita, K. 4−58977
Juroshek, J.R., Hoer, C.A. A high-power network analyzer for measuring the RF power absorbed by biological samples in TEM cell 4−44791
Juroszek, B. *see* Jellonek, K. 4−39515
Juroszex, B. Testing the spirometer 4−39512
Jursitzka, K., Klein, H., Turk, H. Research laboratory for electrical machinery and drives of the technical college in Aachen 4−40310
Jurss, K.-U., Begehr, D. The design of liquid crystal display drives 4−39240
Juseret, R. *see* Marique, C. 4−34058
Jussawalla, M., Chee-Wah Cheah The economics of transborder data flows 4−32413
Just, D., Mielke, B. EPROM programming module for connection to a CAMAC computer 4−29875
Just, J. *see* Dobrowolski, K. 4−47119
Just, J. *see* Matuszczak, M. 4−48723
Just, W. Intelligent display chips 4−48970
Justham, S.A. *see* Otawa, T. 4−34254
Justi, E.W. *see* Ewe, H. 4−34866, 4−34867
Justice, G.A.C., Mavaddat, F. An IEEE 696 compatible signal processor 4−55355
Jutand, F., Demassieux, N., Vicard, D., Chollet, G. VLSI architectures for dynamic time warping using systolic arrays 4−59986

Jutras, G.J. *see* King, J.V. 4—32755
Jutting, U., Gais, P., Rodenacker, K., Schenck, U., Burger, G. The analysis of agglomerations of objects in pictures 4—38064
Jutzi, W. *see* Drung, D. 4—31063
Juul, P.H. *see* Gibbon, R.R. 4—62212
Juza, J., Trhlik, J. CEZMUD system for measuring and data processing in IC technology 4—48693
Juzi, H., Salem, A., Stocker, W. Once-through forced-flow boilers for variable-pressure operation with vertical furnace tubing 4—56791
Jylha, O. *see* Herman, M.A. 4—35491
Jylha, O. *see* Pessa, M. 4—41046, 4—58030
Jyomura, S. *see* Takeuchi, H. 4—56090
Jyumonji, M. *see* Masuda, Y. 4—52332

Kaaden, P., Mickel, L. A new family of time relays 4—51582
Kaake, E.J. *see* Scheidt, J.L. 4—56461
Kaaman, J. *see* Braugenhardt, S. 4—43556
Kaarli, R.K. *see* Rebane, A.K. 4—37488
Kaasik, P.Yu., Safaryan, G.K. Study of transients in asynchronous-inductor motors 4—40255
Kabaev, S.V. *see* Cherneeva, L.I. 4—62648
Kabal, P. *see* Berouti, M. 4—53518
Kabanov, A.N., Kamnev, A.B., Lapshinov, B.A. Apparatus for treating semiconductor materials with light pulses 4—42005
Kabanov, A.N., Lerner, L.M., Simonov, V.A. Energy dependences of the parameters of electronoresists 4—41941
Kabanov, P.S. *see* Dovganyuk, I.Ya. 4—57384
Kabarov, V.I. Constructor for an optimal syntax analyser 4—48809
Kabasele, M.wa *see* wa Kabasele, M.
Kabashima, S. *see* Okada, T. 4—46372
Kabe, D.G. Quadratic-constrained linear programming 4—57942
Kabel, J.G. Energy management 4—29189
Kabelac, W.J. *see* Sanders, I.L. 4—39153
Kabelka, V. *see* Hamal, K. 4—42713
Kacher, I.E., Migolinets, I.M., Dovgoshei, N.I. Anti-reflection coatings for crystals of yttrium aluminium garnets 4—52759
Kachi, T., Kon, S. Assignments of optically pumped CD_3OH laser lines 4—59427
Kachi, T. *see* Kon, S. 4—42570
Kachigan, K.R. Network analyzer sets resolution standards 4—61292
Kachitvichyanukul, V. The potential of digital simulation in industrial ergonomics 4—40831
Kachmar, M. Coupled-cavity concept met in new laser from Bell Labs 4—37397
Kachmar, M. Phone companies lead rush to single-mode fiber optics 4—57739
Kachru, R. *see* Tran, N.H. 4—31489
Kachur, V.G. *see* Abramovich, Yu.I. 4—47671
Kachurin, G.A., Mayer, V.A., Romanov, S.I., Voelskow, M., Klabes, R., Wieser, E. Low-energy implantation of arsenic in silicon 4—41969
Kachwalla, S. A polarisation rotator using 'monorail' strips 4—37782
Kack, S. *see* Brand, C. 4—33639
Kacperski, T., Strawinski, L. The influence of mechanical treatment of magnetic recording heads on effective width of head gap 4—59146
Kacprzak, J., Sykala, A. Electronic relay for an automatic start in tramways 4—57467
Kacprzyk, R. A vibrating head for measuring the surface charge density 4—48882
Kacprzyk, R. A device for measuring the charge density and time of half-life 4—49006
Kacprzyk, R. Measurement of electrostatic properties of solid dielectrics by rotating sample method 4—55664
Kaczkowski, Z. Stress sensitivity in Ni-Mn, Ni-Mn-Co and Ni-Mn-Co-Cu ferrites 4—37006
Kaczkowski, Z., Walecki, T. Influence of the magnetic history on some mechanical properties in $Ni_{0.968}Co_{0.012}Mn_{0.02}Fe_2O_4$ magnetostrictive ferrite 4—37005
Kaczmareck, B. *see* Lataire, P. 4—46366
Kaczmarek, B. Energy saving by variable speed systems 4—34986
Kaczmarek, B. *see* Lataire, P. 4—34779
Kaczmarek, M. The load control of power systems through tariff organization 4—49538
Kaczmarek, M. *see* Halawa, T. 4—56415
Kaczmarzyk, A. Prelocation of the 110 kV/medium voltage substation in the centre of gravity of the power network loading 4—56576
Kade, K., Zielke, M. The automated international system for scientific technological information within CMEA in the field of electrical energy 4—34034
Kadeg, R. *see* Hall, H.V. 4—49759
Kadekodi, N., Claproth, A., Vo, T., Anyiwo, A., Sheu, L., Ibrahim, A. A 5732-element 1.2″ linear CCD imager 4—55279
Kadekodi, N. *see* Rodriguez, B.A. 4—29680, 4—35648
Kadelka, D. On inventory problems with arbitrary cost pattern, demand pattern and demand distribution 4—46159
Kaden, G. The significance of surface band bending in silicon for the case of photoinjection in MOS structures 4—41913
Kadiri, M.El *see* El Kadiri, M.
Kadlec, J. Clockwise-counterclockwise Josephson NDRO cache WRITE operation 4—41356
Kadlec, J. *see* Jaeckel, H. 4—59164
Kadokawa, Y. *see* Tsukada, F. 4—32696
Kadomskaya, K.P., Kantsler, P.V., Levinshtein, M.L., Tsedzhinov, E.S. Single phase automatic reclosure on two circuit overhead lines having increased capacity 4—62647
Kadomtseva, A.F. *see* Il'inskii, A.S. 4—47651
Kadono, R *see* Iwasaki, M. 4—39392
Kadono, S. *see* Suzuki, Y. 4—58290
Kadota, K. *see* Matsuba, I. 4—30498
Kadota, S. *see* Kohashi, T. 4—60361
Kadota, T.T. Optimum detection of weak Gaussian signals in interdependent non-Gaussian noises 4—47883
Kadota, T.T., Shepp, L.A., Ziv, J. Asymptotic efficiency of dynamic systems—a stochastic model 4—40930
Kadota, T.T. *see* Eaddy, D.A. 4—47877, 4—53627
Kadotani, K. *see* Kako, Y. 4—40202
Kadri, A., Baj, M., Zitouni, K., Aulombard, R.L., Bousquet, C., Robert, J.L., Konczewicz, L. Transport properties in n-InSb with lattice relaxation controlled free carrier concentration 4—30335
Kadu, G.S., Naik, B.M. Management education for inservice engineers 4—45847
Kadyrov, G.Kh. The electrical equipment industry of the Uzbek SSR 4—29219
Kadyrov, T.M., Khazonovich, I.A. Voltage stabiliser using controllable ferromagnetic elements 4—58151
Kadziela, J. *see* Jerominek, H. 4—31174
Kaede, K., Ishikawa, R. Ten-port graded-index waveguide star coupler fabricated by dry ion diffusion process 4—52555
Kaede, K., Ishikawa, R., Minemura, K., Lang, R., Furuse, T., Ueki, A. Harmonic distortion due to laser modulation in multimode fibre optic analogue transmission 4—42344
Kaegi, T. ISDN or wirebound telecommunication—which way? 4—60617
Kaelin, G., Seligman, J., Gupta, A. 20 GHz two stage low noise monolithic amplifier 4—30106
Kaelin, G., Seligman, J., Gupta, A. A wide band medium power monolithic microwave amplifier 4—30112
Kaelin, G.R. *see* Lee, S.J. 4—29881, 4—41272
Kaelin, T.J., Murray, T.M., Jr. A control system for a hybrid gasoline/electric vehicle 4—62779
Kaempf, U. *see* Parikh, M. 4—58982
Kaeser, H.P. *see* Ungerboeck, G. 4—60066
Kafadar, K. *see* Suehle, J.S. 4—30687, 4—36832
Kafedjiiska, E.I. *see* Simeonov, S.S. 4—51877
Kafka, G. The German Post Office data transmission service 4—32185
Kafker, A.H. *see* Carroll, J.J. 4—32588
Kafri, O. *see* Horowitz, L. 4—47497
Kaga, A. *see* Ohta, M. 4—57482
Kaga, T. *see* Horiuchi, M. 4—46455
Kaga, T. *see* Nakamura, S. 4—34044
Kagami, J. *see* Katsueda, M. 4—40875
Kagami, S., Fukai, I. Application of boundary-element method to electromagnetic field problems 4—42758
Kagan, M.B., Lyubashevskaya, T.L., Mil'vidskii, M.G., Nalivaiko, I.I., Timashkov, V.M., Fatyushina, N.P. Effect of growth conditions of an $Al_xGa_{1-x}As$-GaAs heterostructure in an organometallic-AsH_3-H_2 system on the parameters of solar cells 4—58037
Kagan, M.B. *see* Daletskii, G.S. 4—57341
Kagan, M.S., Landsberg, E.G., Chernyshov, I.V. Photoresponse of a compensated semiconductor to local optical excitation 4—59315
Kagan, M.S. *see* Altukhov, I.V. 4—36357
Kaganov, O.O. *see* Gitshov, N.G. 4—33360
Kaganovich, E.B. *see* Abalduev, B.V. 4—37237
Kaganovskii, I.P. *see* Zhuravleva, L.I. 4—48675
Kagarakis, C., Maltezos, E., Stavropoulou, M., Veloni, A. Air pollution effect on photovoltaic solar conversion in Athens, Greece 4—34932
Kagata, A. *see* Okuno, N. 4—55063
Kagawa, J. *see* Kozaki, S. 4—53204
Kagawa, S. *see* Mikawa, T. 4—47351, 4—60858
Kagawa, Y. *see* Sakai, S. 4—38947
Kagaya, I. *see* Yamada, K. 4—31012
Kage, K. *see* Tanaka, S. 4—53563
Kageyama, K. *see* Takata, M. 4—56353
Kageyama, S. International telecommunication policies queried 4—43518
Kageyama, T., Tsuchiya, I., Takahashi, Y., Sato, H. Development of 35/53 GHz gyrotrons [RF heating applications] 4—30257
Kageyama, T., Tsuchiya, I., Takahashi, Y., Sato, H. Development of 35/53 GHz gyrotrons [plasma heating applications] 4—36189
Kageyama, T. *see* Ono, S. 4—30256, 4—36195
Kagiwada, R.S. *see* Lau, K.F. 4—36988
Kagiyama, M. *see* Mito, K. 4—31546
Kahaner, D.K., Waldvogel, J., Fullerton, L.W. Addition of points to Gauss-Laguerre quadrature formulas 4—29415
Kahl, W.K. *see* Borkowski, R.J. 4—49682
Kahle, H.-G., Barlier, F. Space laser applications in geophysics 4—61912
Kahn, A. *see* Bonapace, C.R. 4—41895
Kahn, A. *see* Tu, D.-W. 4—46846
Kahn, D.R., Combs, L.P., Garey, M.P. Direct SNG production of the CS/R hydrogasification process 4—35090
Kahn, F.J. *see* Birecki, H. 4—52713
Kahn, I.B. New directions in videocommunications 4—43511
Kahn, J.M. *see* Pearton, S.J. 4—33707
Kahnau, H.W. DIN 57100 Part 701, VDE 0100 Part 701/5.84: rooms with a bath and shower 4—40789
Kahnau, H.-W. Works subject to fire risks 4—40788
Kahoun, V. *see* Pivrnec, M. 4—49926
Kahoun, V. *see* Preiningerova, V. 4—40288
Kahpalyuk, A.P. *see* Serdyuk, V.M. 4—42737
Kahwaty, V.N. Magnetic imaging system for magnetic printing 4—47190
Kai Guiyun *see* Fu Rulian 4—58844
Kai Hansen, F., Brix Pedersen, M., Levinsen, M.T., Lindelof, P.E. Preparation of In-In_2O_3-Pb tunnel junctions 4—59162
Kai Shao *see* Shao Kai
Kai Xie *see* Zhang-da Lin 4—58821
Kai-zhou Chen *see* Chen Kai-zhou
Kaida, H. *see* Hoshino, Y. 4—62854
Kaidalov, A.A., Bychkov, V.P., Solov'yanenko, V.V., Zubchenko, Yu.V. Optimum distances between electrodes and accuracy requirements for production of the image intensification system in the PL100 gun 4—45780
Kaidanovskii, N.L. The possibility of broadening the observed region of the sky by using a special zenith feed with the RATAN-600 4—54922
Kaifez, D. *see* Zbontar, T. 4—46651
Kaifu, N. Acousto-optical radiospectrometer for radio astronomy 4—48536
Kaihara, M., Ishiguro, G., Terasawa, K. Magnetic card public telephone 4—38356
Kaihara, Y. *see* Geshiro, M. 4—42368
Kaijima, M., Isobe, S., Yoneda, T. Adaptive antenna-controlled receiver for TV translator 4—42993
Kailath, T. *see* Cioffi, J.M. 4—43334
Kailath, T. *see* Citron, T.K. 4—60103
Kailath, T. *see* Jagadish, H.V. 4—51084
Kailath, T. *see* Jover, J.-M. 4—51085
Kailath, T. *see* Lev-Ari, H. 4—43072, 4—43309
Kailath, T. *see* Rao, S.K. 4—51466
Kailath, T. *see* Shan, T.J. 4—37726, 4—60105
Kailath, T. *see* Sharman, K. 4—53775
Kailath, T. *see* Wax, M. 4—31952, 4—37811, 4—43058, 4—53350, 4—60133
Kaim, R. *see* Hollos, G. 4—33594
Kaimakov, A.A., Lyagin, B.S., Osipovich, V.T., Popov, V.V., Pyatetskii, G.Yu., Torgashov, V.S., Khorunzhii, M.V., Shilov, V.V. Standardizing norms for fabrication of explosion-proof and mine electric equipment 4—29214
Kainer, G.B. Method of estimating the coupling between components from the transfer resistance of the contact 4—33206
Kainer, G.B. *see* Vysotskii, A.V. 4—33472
Kaino, T., Fujiki, M., Jinguji, K. Preparation of plastic optical fibers 4—52600
Kairong Tang *see* Tang Kairong
Kaiser, B.J. *see* Ruddy, F.H. 4—55960
Kaiser, C.J. *see* Carlin, D.B. 4—53012
Kaiser, E. Interferometrical temperature field measurement for a thermic fluid velocity sensor 4—39349
Kaiser, J. *see* d'Orville, H. 4—38508
Kaiser, J.F. Some properties of a family of generalized time-limited window functions 4—50619
Kaiser, K.H. *see* Zach, F.C. 4—57429
Kaiser, L. *see* Skritek, P. 4—29991
Kaiser, P. Minitutorial: optical connectors and splices 4—54782
Kaiser, P. Optical technology used in the Atlanta single-mode experiment 4—60832
Kaiser, W. *see* Elsaesser, T. 4—37425
Kaiser, W. *(editor)* TELEMATICA 84 4—50337
Kaiser, W.J. *see* Logothetis, E.M. 4—33227
Kaito, J. *see* Tsuda, H. 4—45115
Kaito, Y. *see* Kubota, Y. 4—42358
Kaitsuka, T., Inoue, T. Interference cancellation system for satellite communication earth station 4—54677
Kaizer, A.J.M. *see* de Wit, R.P. 4—44337
Kajarekar, P.J. *see* Biswas, S. 4—55952
Kajarekar, P.J. *see* Kukreja, L.M. 4—31539
Kajfez, D., Hwan, E.J. Q-factor measurement with network analyzer 4—55660
Kaji, A. Computer control system for thermal power plants 4—40056
Kaji, I. *see* Takaoka, M. 4—56619
Kaji, Y., Sugiyama, N., Kitamura, Y., Ohya, S., Kikuchi, M. A 43 ns 16×16 CMOS multiplier 4—58424
Kajikawa, M. *see* Shimoseko, S. 4—32729

Kajikawa, T., Ohta, T., Miyata, H. Optimization of area/length ratio of thermoelectric elements for a low grade heat thermoelectric energy conversion system 4—50110
Kajikawa, T. *see* Miyata, H. 4—50109
Kajikawa, Y., Mizuguchi, K., Murotani, T., Fujikawa, K., Sonoda, T. The effect of infrared flash lamp annealing on the electrical properties of modulation-doped GaAs/N-AlGaAs structures 4—51822
Kajimura, T. *see* Nakatsuka, S. 4—53013
Kajitani, K. *see* Saiga, N. 4—52335
Kajiwara, M. *see* Hiramatsu, Y. 4—47925
Kajiwara, M. *see* Mase, K. 4—32087, 4—38198, 4—53976
Kajiwara, T. *see* Kawaoka, T. 4—54383
Kajiwara, Y. *see* Sakamoto, M. 4—61277
Kajiya, F. *see* Mito, K. 4—31546
Kajiyama, K. SOI formation by burying oxide layer 4—46959
Kak, S.C. Joint encryption and error-correction coding 4—37858
Kak, S.C. Threshold detection error bounds 4—60030
Kak Lee Chong *see* Chong Kak Lee
Kakalios, J., Fritzsche, H., Ibaraki, N., Ovshinsky, S.R. Properties of amorphous semiconducting multilayer films 4—58772
Kakati, D. *see* Ramamurthy, V. 4—42027
Kakegawa, K. *see* Takahashi, K. 4—29547, 4—52438
Kakegawa, M. *see* Harada, N. 4—44451
Kakehata, H. *see* Nagatomo, T. 4—50040
Kakehi, K. *see* Irii, H. 4—32516
Kakehi, K. *see* Itoh, K. 4—53476
Kakehi, K. *see* Kitawaki, N. 4—38418
Kakehi, K. *see* Sawakuri, T. 4—38192
Kakeno, H. *see* Takata, K. 4—33852
Kakichashvili, Sh.D. Polarization-holographic recording in the general case of a reaction of a photoanisotropic medium 4—42738
Kakichashvili, Sh.D., Vardosanidze, Z.V., Leselidze, D.V. Highly efficient dichromated gelatin holographic mirrors 4—59648
Kakimoto, T. *see* Terasaka, K. 4—59012
Kakinuma, H. *see* Nishikawa, S. 4—59322
Kakizaki, K. Materials [for electronics] 4—46734
Kako, N., Tanaka, N., Suzuki, C. Combustion detection with a semiconductor color sensor 4—48841
Kako, Y., Kadotani, K., Tsukui, T. An analysis of the multi-stress degradation of the high voltage coils of a rotating machine considering the mutual effects of the degradation causes 4—40202
Kaku, K. *see* Suzuki, T. 4—55434
Kaku, N. *see* Mizuki, N. 4—44144
Kakubava, R.V., Mikadze, I.S. A servicing system with duplication 4—60281
Kakuchi, M. *see* Yamaki, J. 4—57331
Kakusho, O., Yanagida, M., Mizogucgi, R. A sample selective linear prediction analysis of speech 4—53495
Kakusho, O. *see* Mizoguchi, R. 4—59959
Kakusho, O. *see* Yanagida, M. 4—60101
Kal, S., Bhattacharya, D., Chakraborti, N.B. Normal-mode parameters of microstrip coupled lines of unequal width 4—37699
Kalaba, R., Tishler, A. On the use of the table method in constrained optimization 4—46134
Kalaba, R., Tishler, A., Wang, J.S. Rate of convergence of the generalized Newton algorithm using the fixed-point approach 4—50690
Kalac, M. Reliability project from the idea up to the end of construction 4—29220
Kalade, J. *see* Gaidelis, V. 4—59316
Kalafus, R., Vilcans, J., Knable, N. Differential operation of NAVSTAR GPS 4—38719
Kalaitzakis, K.C., Vachtsevanos, G.J. Optimum operation of wind-electric conversion systems interfaced with the utility grid 4—34556
Kalaitzakis, K.C. *see* Vachtsevanos, G.J. 4—56475
Kalam, A. *see* Aggarwal, R.K. 4—62150
Kalandarishvili, K.G., Karpov, S.Yu., Kuchinskii, V.I., Mizerov, M.N., Portnoi, E.L., Smirnitskii, V.B. Polarization effects in heterolasers with distributed feedback 4—37379
Kalanj, G.N. *see* Lim, J. 4—54873
Kalashnikov, A.M., Sheremet'ev, A.K. Fast response of spectrometric channels 4—33769
Kalashnikov, N.I. *see* Dudkin, F.L. 4—53191
Kalashnikov, N.V. *see* Demidchik, V.I. 4—53283
Kalashnikov, S.D., Zhukova, A.N. Relation between photomultiplier spectrometric and intensity-response characteristics 4—46780
Kalashnikov, S.G. *see* Altukhov, I.V. 4—36357
Kalashnikov, V.P. *see* Auslender, M.I. 4—30386
Kalata, P. *see* Sugisaka, M. 4—60027
Kalata, P.R. The tracking index: A generalized parameter for α-β and α-β-γ target trackers 4—44148
Kalata, P.R. The tracking index: a generalized parameter for α-β and α-β-γ target trackers 4—47882
Kalbach, J. *see* Klein, J. 4—62454
Kalbarczyk, A. *see* Badziak, J. 4—47422
Kalcher, B.I., Lakov, N.P. Efficiency of a system used for the normal cooling of an atomic power plant with type WWER reactors 4—56751
Kale, A.J. *see* Lal, P.K. 4—34175
Kalejs, J.P., Ettouney, H.M., Brown, R.A. Comparison of growth characteristics of sapphire and silicon ribbon produced by EFG 4—29460
Kalejs, J.P. *see* Lambropoulos, J.C. 4—29461
Kalejs, M.P. *see* Stieg, J. 4—49766
Kalentionok, E.V., Faibisovich, V.A. Automatic control of voltage conditions in power systems during fault deficits of reactive power 4—56447
Kalesnikau, P.M., Rudzyanok, I.P. Distribution of surface waves in active gradient film waveguides 4—42922
Kaleva, O., Seikkala, S. On fuzzy metric spaces 4—40943
Kaley, M. Site electrics need careful planning 4—45037
Kalibjian, R. *see* Price, R.H. 4—39066
Kalikhevich, G.N. *see* Golosova, S.Ya. 4—32886
Kalikin, M.M. *see* Shcherbakov, V.G. 4—34683
Kalimanov, V.A. *see* Bagramyan, A.G. 4—54139
Kalimanova, I.I. *see* Vuleva, E.A. 4—29274
Kalimullin, R.Kh. *see* Nasybullin, R.A. 4—36930
Kalin, W. Power supply from combined heat and power stations compared with conventional power supply 4—34454
Kalinenko, A.G. *see* D'yakonov, V.I. 4—31455
Kalinichenko, A.N. *see* Baranovskiy, A.L. 4—39572
Kalinichenko, N.D. Inserting titles containing national alphabet characters via the C3T-1 character synthesizer 4—38835
Kalinichenko, S.P. *see* Yakovenko, V.A. 4—46395, 4—50241
Kalinin, N.A. *see* Bychkov, B.N. 4—61045
Kalinin, S.A. *see* Mandel'berg, S.L. 4—62844
Kalinin, S.D. *see* Venikov, V.A. 4—40362, 4—45414
Kalinin, V.A. *see* Perevalov, G.N. 4—58088
Kalinin, V.I., Zalogin, N.N., Kislov, V.Ya. Nonlinear resonance and stochasticity in a self-oscillatory system with delay [TWT] 4—51711
Kalinin, V.S. Data bases in computer networks 4—32479
Kalinin, V.V. *see* Vaneev, B.N. 4—62675
Kalinin, Yu.M. *see* Vyatkin, A.P. 4—46854
Kalinnikov, V.T. *see* Indosova, V.M. 4—29447
Kalinov, V.S. *see* Voitovich, A.P. 4—42542, 4—42580
Kalinowski, T. *see* Halawa, T. 4—56415
Kalish, J. Quadrature compensation in wide-band double balanced modulators 4—35699
Kalish, R., Plomgren, D. Consider using the S-100 bus to host your 16-bit μP 4—58359
Kaliski, R.W. *see* Brown, J.M. 4—46842
Kaliszczak, W. Model solutions of rural telephone expansion 4—54128
Kaliszewski, J.M. Routing algorithm and route operation on SITA data transport network 4—32443
Kaliszewski, J.M. The new routing algorithm on the SITA data transport network 4—48287
Kalitin, P.P. *see* Vishnev, I.P. 4—62489
Kalitin, S.P. *see* Zharikov, E.V. 4—31364, 4—42603
Kalkanis, G. *see* Aprile-Giboni, E. 4—55812
Kalkbrenner, F.W. *see* Babu, S.R. 4—52080
Kalkur, T.S., Moravvej-Farshi, M.K., Nassibian, A.G. Thermal diffusion of tin in GaAs from tin-silica film with RF sputtered SiO_2 cap 4—51994
Kalkur, T.S. *see* Dell, J. 4—47055, 4—52108
Kallback, B. Manufacturing technique for VSLI: CMOS advancing 4—30760
Kallback, B. *see* Passias, D. 4—40453
Kallel, S. *see* Huynh, H.T. 4—31834
Kallenbach, G.A. *see* Fuller, J.F. 4—62220
Kallenberg, L.C.M. *see* Hordijk, A. 4—50698
Kalliomaki, K. *see* Moilanen, M. 4—48718
Kalliomaki, P.L. *see* Moilanen, M. 4—48718
Kallis, J.M., Trucker, D.C., Cuddihy, E.F., Garcia, A., III Method for calculating multi-dimensional electric fields in photovoltaic modules 4—40455
Kallman, C.H. *see* Mower, M.M. 4—44786
Kallmeyer, M. *see* Baier, H. 4—30489
Kallne, E. *see* Bartlett, R.J. 4—56045
Kallne, E. *see* Vladimirsky, Y. 4—53091
Kalman, S. The design of SPC exchange ETC 960 4—48343
Kalmar, G., Nenyei, Z. A source of chloridic degradation of plastic encapsulated semiconductor devices with aluminium metallisation 4—46948
Kalmykov, A.I. *see* Shestopalov, V.P. 4—56309
Kalnykov, A.V., Podvysotskii, Yu.S. Functions and procedures of the channel level in a local area network 4—43486
Kalouptsidis, N., Carayannis, G., Manolakis, D.G. Fast design of multichannel FIR least-squares filters with optimum lag 4—31962
Kalouptsidis, N., Manolakis, D., Carayannis, G. Efficient recursive triangularization, inversion and system solution of near-to-Toeplitz matrices and applications in signal processing 4—53671
Kalouptsidis, N. *see* Carayannis, G. 4—53771
Kalouptsidis, N. *see* Manolakis, D. 4—53772
Kalscheuer, W. *see* Dumrese, H.-F. 4—62161
Kalt, H. External computers and terminals for Bildschirmtext 4—54270
Kaltenecker, A. High-voltage testing of vacuum switches after preloading with heavy currents 4—57248
Kalter, H., Ellis, W., Heudorfer, P., Leasure, T., Miller, C., Nguyen, Q., Papritz, R., Patton, C., Poplowski, M., van der Hoeven, W. An experimental 120 ns one-half megabit dynamic RAM with plate push cell 4—30799
Kalter, H., Kotecha, H. Read-only memory array 4—42161
Kalter, H. *see* Cassidy, B.M. 4—46470
Kaltinska, R. *see* Christov, G. 4—29368
Kaltygin, M.I. *see* Yakubaitis, E.A. 4—43726
Kalukhov, V.A. *see* Chikichev, S.I. 4—58038
Kaluza, A. *see* Horak, J. 4—45053
Kaluzhina, S.A., Malygin, V.V., Andruk, V.V., Kapustin, V.A. Apparatus for investigating the corrosion of non-isothermal systems with a programmable principle of change of temperature along the surface of the metal 4—46258
Kalweit, E.L. *see* Kolbas, R.M. 4—52693
Kalyanaramudu, U.K. *see* Perianayagam, K.S. 4—51273
Kalyanasundaram, P. *see* Ramaseshu, Y. 4—49046
Kalyavin, V.P., Malyshev, A.M., Mozgalevskii, A.V. Theoretical background to specifications for metrological indices of diagnostics hardware 4—38992
Kalyuzhnyi, V.F. *see* Izmailova, L.I. 4—56621
Kam, P.Y. Coherent detection of PSK without a carrier recovery loop 4—31856
Kam, P.Y., Teh, C.H. An adaptive receiver with memory for slowly fading channels 4—53613
Kamach, Yu.E. *see* Apanasevich, P.A. 4—59584
Kamada, H., Takano, R. Trends in communication technology 4—43776
Kamada, H. *see* Nakagawa, Y. 4—29380
Kamae, T. Public facsimile communication service 4—32292
Kamae, T. *see* Ohmori, T. 4—38227
Kamal, M. Four-fold degenerate npn and pnp structures 4—36806
Kamal, S.S., Lyons, R.G. Unique-word detection in TDMA: acquisition and retention 4—53972
Kamal, S.S., Matyas, R., Lyons, R.G., Nuspl, P.P. Application of demand assignment to mixed-services TDMA 4—32781
Kamanin, A.V. *see* Bagraev, N.T. 4—46820
Kamar, A.M. Application of the finite element method to electrical machine design at Canadian General Electric 4—34633
Kamar, A.M.A. *see* Eastham, A.R. 4—34967
Kamarinos, G. *see* Chenevier, P. 4—34909
Kamarinos, G. *see* Pananakakis, G. 4—36543
Kamas, G., Jespersen, J.L. A new frequency calibration service offered by the National Bureau of Standards 4—33422
Kamat, D.S. *see* Deekshatulu, B.L. 4—61898
Kamat, P.V., Fox, M.A. Dye loaded polymer electrodes. III. Generation of photogalvanic effects at n-SnO_2 electrodes coated with poly(4-vinyl pyridine) films containing rose bengal 4—50023
Kamata, A. *see* Hirahara, K. 4—52824
Kamata, I. *see* Yanabu, S. 4—34794
Kamatani, Y. *see* Shimizu, S. 4—51387
Kamath, G.S. Recent developments in GaAs solar cells 4—34936
Kamath, G.S. *see* Knechtli, R.C. 4—45633
Kamath, K.M., Murthy, T.S.R. Evaluation of quality of mineral insulating oils under storage conditions 4—36961
Kamatsu, K. *see* Shinkai, T. 4—40088
Kamaya, H. *see* Ichiyanagi, K. 4—56696
Kamayev, R.R., Orozobakov, T., Dalbayev, E.K., Heide, E.K. The use of reflector-type passive repeaters on line-of-sight radio-relay links 4—31756
Kambas, K. *see* Eddrief, M. 4—58042
Kameari, A. *see* Nishikawa, M. 4—62323
Kamei, H. *see* Shiosaki, T. 4—52331
Kamei, M. *see* Adachi, M. 4—61601
Kamei, T. *see* Sugaware, Y. 4—36812
Kamejima, T., Matsumoto, Y., Watanabe, H., Matsui, J. Characterization of inhomogeneity in semi-insulating GaAs substrate 4—30332
Kamel, F.M., Muhlbauer, A. Impact of solar cell efficiency on the design of photovoltaic systems 4—40452
Kamel, K., Wolfe, J.L. Image segmentation and data compression using quartic trees 4—60274
Kamelski, W. *see* Lewandowski, W. 4—61448
Kamenev, L.V. High-voltage DC amplifier 4—58169
Kamenev, Yu.E., Parfen'ev, R.V., Efros, Al.L., Yazeva, T.V. Discrete structure of diamagnetic excitons in oscillations of the photomagnetic effect and photoconductivity of InSb in a magnetic field 4—59314
Kamenov, P.S. *see* Vapirev, E.I. 4—33654
Kamermans, R. *see* Van Engelen, C.P.M. 4—33751
Kametani, H. *see* Matoba, M. 4—55977
Kameyama, A. *see* Asada, M. 4—52976
Kami, H. Evaluation of automatic dictionary generation for character recognition 4—32037
Kami, Y., Sato, R. Forcing terms of line equations for externally excited transmission lines 4—37691

Kami, Y., Sato, R. Coupling of electromagnetic waves to transmission lines 4—42894
Kamibayashi, N., Ikeda, M., Tatsuta, N. Start-up problems in local area networks (LAN) 4—43777
Kamijoh, T., Takano, H., Sakuta, M. Incorporation of acceptor impurities into InP during organometallic vapor phase epitaxy 4—51993
Kamimoto, M., Abe, Y., Sawata, S., Tani, T., Ozawa, T. Development of latent heat storage unit using form-stable high-density polyethylene (HDPE) for solar total energy systems 4—40169
Kamimura, K. *see* Kuribayashi, S.-I. 4—43491
Kaminishi, K. *see* Akiyama, M. 4—50829
Kaminishi, K. *see* Nakamura, H. 4—30652
Kaminishi, K. *see* Nishikawa, S. 4—59322
Kaminishi, K. *see* Sano, Y. 4—47024
Kamino, J.T. *see* Flegal, W.M. 4—52636
Kaminosono, H. *see* Ishikawa, R. 4—40516
Kaminov, I.P. Optical waveguide devices 4—37152
Kaminow, I.P. Polarization-maintaining fibers 4—31161
Kaminow, I.P. High-speed modulation of semiconductor lasers 4—52998
Kaminow, I.P. *see* Eisenstein, G. 4—52967
Kaminow, I.P. *see* Hegarty, J. 4—60840
Kaminow, I.P. *see* Linke, R.A. 4—44088
Kaminow, I.P. *see* Liou, K.-Y. 4—53005
Kaminow, I.P. *see* Wang, C.C. 4—41260
Kaminska, M. *see* Lagowski, J. 4—46808
Kaminskaya, D.A. *see* Ol'khovikov, B.V. 4—62724
Kaminski, G. Complex motion asynchronous motor magnetic field analysis 4—34665
Kaminski, J. Telemetric measurement of active and passive power 4—55622
Kaminskii, A.A. Visible lasing on five intermultiplet transitions of the ion Pr^{3+} in $LiYF_4$ 4—42602
Kaminskii, A.A. Two lasing channels of Tm^{3+} ions in lithium-yttrium fluoride 4—59483
Kaminskii, V.L. *see* Artemenko, S.N. 4—36024
Kaminskii, V.Yu., Ponomarenko, V.A. Planning overhaul backup for measurement facilities 4—55131
Kaminuma, K., Nagao, T. Heat flow measurements in Lutzow-Holm Bay, Antarctica—a preliminary study 4—44907
Kamisada, R., Sakaguchi, M. Light valve projector for large display 4—61464
Kamishita, K. *see* Minemura, H. 4—31083
Kamishkov, Y. *see* Artemiev, V. 4—61684
Kamitake, T., Harashima, H., Miyakawa, H. A time-series analysis method based on the directed transinformation 4—43032
Kamitsubo, H. *see* Asahi, K. 4—39417
Kamiura, Y., Hashimoto, F., Yoneyama, S., Nobusada, T. Reduction of copper contamination in germanium on heat treatments above 700°C 4—36413
Kamiya, N., Ohta, T., Asano, N. Hybridized hydrogen production system with Fe-I. Photochemical reaction in concentrated phosphoric acid 4—50022
Kamiya, N. *see* Spieker, P. 4—56060
Kamiya, S. Improvements of efficiency and color rendering of fluorescent lamps 4—45736
Kamiya, T. Interferometric semiconductor laser 4—42657
Kamiya, T. *see* Kodate, K. 4—41926
Kamiya, T. *see* Ogawa, M. 4—52147
Kamiya, T. *see* Tanaka, I. 4—55265
Kamiya, Y. *see* Shibata, S. 4—61733
Kamler, J., Krajewski, W., Mayzel, F., Niewiadomski, B., Pasinski, M., Sucharzewska, E., Szarynski, A. White balance meter 4—44216
Kammerer, B., Kupper, W., Lagger, H. Special feature vector coding and appropriate distance definition developed for a speech recognition system 4—59967
Kammerlander, K. Presentation of the main system characteristics of the German mobile radio telephone system C 4—32714
Kamnev, A.B. *see* Kabanov, A.N. 4—42005
Kamnev, N.M., Sonichev, N.A., Malyshev, N.A. Earth dam of the Al-Hadithah hydropower development on the Euphrates River 4—62427
Kamneva, N.P. *see* Belyakov, N.N. 4—39935
Kamo, R. *see* Tozzi, L. 4—35019
Kamon, T. *see* Hayashide, Y. 4—33681
Kamoshida, J. *see* Isshiki, N. 4—50114
Kamoshida, T. *see* Hasegawa, K. 4—57480
Kamoun, F. *see* Azouz, L. 4—48441
Kamp, A. Long-term supervised domiciliary EEG monitoring in epileptic patients employing radio telemetry and telephone telemetry. II. Radio telemetry system 4—56122
Kamp, A. *see* Van Der Weide, H. 4—56121
Kamp, Y. *see* Delsarte, P. 4—57963
Kampe, W. Power supplies having multiple outputs 4—29631
Kampf, H. *see* Chernikoff, L. 4—32576
Kampf, N. Terrestrial network monitoring and control 4—39047
Kamprath, W. *see* Elstner, L. 4—52060
Kamsek, U. *see* Milic, L. 4—46546
Kamu, M.C. *see* Egbert, R.I. 4—49612
Kamyshkov, Yu. *see* Arefiev, A. 4—55843
Kan, G.T., Silvestri, G.J., Jr. Retrofitting utility power plants for cogeneration and district heating 4—49775
Kan, H. Problems related to cores of transformers and reactors 4—62576
Kan, S. *see* Gonord, P. 4—52515
Kan Jiaxi Theoretical analysis and computer calculation of circuit noise in optical fiber communications receiver 4—44070
Kana, D.D., Pomerening, D.J., Simonis, J.C. Recent research of methodology for seismic qualification of nuclear power plant equipment 4—56757
Kanabayshi, A. *see* Yamamoto, F. 4—35028
Kanabe, S. *see* Kodama, J. 4—52716
Kanabe, T. *see* Toide, E. 4—52940
Kanada, T. Evaluation of modal noise in multimode fiber-optic systems 4—31122
Kanada, Y., Ikeda, T. On dividing a token ring network system 4—60530
Kanada, Y. *see* Ueda, T. 4—54188
Kanaev, A.V. *see* Zuev, V.S. 4—31327
Kanafuji, K. *see* Narimatsu, Y. 4—48707
Kanai, H., Sakamoto, K., Haeno, M. Electrical measurement of fluid distribution in human legs: estimation of extra- and intra-cellular fluid volume 4—44753
Kanai, H. *see* Yamada, H. 4—56962
Kanai, M., Takeuchi, N., Kinoshita, H. An elastic fine positioning mechanism applied to contactless X-Y table 4—58942
Kanai, M. *see* Suzuki, T. 4—31547
Kanai, T. Automatic PC board-testing equipment 4—46679
Kanai, T. *see* Ando, Y. 4—58597
Kanai, T. *see* Llacer, J. 4—49173
Kaname, S. *see* Itoh, K.-i. 4—29901
Kanamori, H. *see* Kyoto, M. 4—52613
Kanamori, M. *see* Hokari, Y. 4—36629
Kanamori, M. *see* Mikami, M. 4—41068
Kanamori, S., Sudo, H. Highly stable beam lead metal system with TiN diffusion barrier 4—52030
Kanamori, T., Terunuma, Y., Miyashita, T. Preparation of chalcogenide optical fiber 4—52599
Kananoja, R. Electricity supply costs in rural electricity plants due to different types of electric heating 4—44956
Kanarik, G.G. *see* Kukhtin, M.P. 4—42420
Kanata, Y. *see* Matsuda, M. 4—58156
Kanatani, K. Detection of surface orientation and motion from texture by a stereological technique 4—53791
Kanavets, V.I. *see* Aleksandrov, A.F. 4—30259
Kanavets, V.I. *see* Vasil'yev, Ye.I. 4—30258
Kanawati, A. *see* Guillet, J. 4—58573
Kanaya, F. *see* Yuki, K. 4—38228
Kanaya, N. Design of the distributed control system for beam lines at the photon factory 4—55794
Kanayama, K., Tanaka, F. Acousto-optic light switch 4—31202
Kanayama, S. *see* Ota, T. 4—50770
Kanayama, T. *see* Awano, Y. 4—36059
Kanazawa, K. *see* Ikawa, Y. 4—51168
Kanazawa, K. *see* Shimizu, S. 4—51387
Kanazawa, K. *see* Toyoda, N. 4—29883
Kanazawa, Y. *see* Akagi, H. 4—57162, 4—57224
Kanbe, H. Photodetectors for long wavelength optical fiber communication systems 4—54741
Kanbe, H., Vlcek, J.C., Fonstad, C.G. (In,Ga)As/InP n-p-n heterojunction bipolar transistors grown by liquid phase epitaxy with high DC current gain 4—42040
Kanber, H., Feng, M., Whelan, J.M. Diffusion of Be and Mn during damage recovery of ion implanted GaAs 4—51935
Kanber, H. *see* Feng, M. 4—58931
Kanchan, A.Kumar *see* Kumar Kanchan, A.
Kanchan, V.R. *see* Venkatraman, S. 4—38018
Kancir, F. *see* Gablovsky, V. 4—49496
Kanda, A. *see* Inoue, M. 4—51343
Kanda, K. *see* Senda, Y. 4—34326
Kanda, M. *see* Bertl, J. 4—39841
Kanda, M. *see* Greenlee, D.H. 4—37719
Kandalinskii, V.V., Rosval, Ya.B. Color TV camera 4—32956
Kandel, J. Availability of the French pressurised water reactors 4—49666
Kandiah, K. Survey of applications of low noise transistors at low frequencies 4—30577
Kandiah, K. LF noise in JFETs 4—30660
Kandiah, K. Instrumental factors which affect the observed spectrum [alpha spectrometry] 4—56008
Kandiah, K. *see* Cox, C.E. 4—33456, 4—39306
Kandidova, O.V., Lemanov, V.V., Sukharev, B.V. Hologram writing in lithium niobate planar lightguides 4—42743
Kane, D., Gauthier, R., Brizoux, M., Perdrigeat, J. Physical characterization of surface conductivity sensors in the aim of an absolute moisture measurement in electronic components 4—61360
Kane, T.J. *see* Eggleston, J.M. 4—37344
Kaneda, E. *see* Saito, K. 4—51718
Kaneda, S. A class of odd-weight-column SEC-DED-*S*b*E*D codes for memory systems 4—53418
Kaneda, T. Advance in InGaAs avalanche photodiodes 4—52806
Kaneda, T. *see* Mikawa, T. 4—47351, 4—60858
Kaneda, T. *see* Osaka, F. 4—52764
Kaneda, T. *see* Yasuda, K. 4—37215
Kaneda, Y., Tohyama, M. Noise suppression signal processing using 2-point receiving signals 4—47635
Kanefsky, M. *see* Rajput, A.Q.K. 4—53581
Kanefusa, S., Haradome, M. Unique phenomena in SnO_2-based gas sensing devices exposed to ammonia gas 4—48886
Kanehori, K. *see* Ito, Y. 4—57305
Kaneki, T. External Q of a slot resonator in cutoff waveguide 4—46615
Kaneki, T., Kobayashi, S. External Q of loop coupled dielectric resonator 4—41572
Kaneko, A. *see* Saburi, Y. 4—44198
Kaneko, E. *see* Okumura, H. 4—57282
Kaneko, H. *see* Nozaki, K. 4—40418
Kaneko, H. *see* Sato, M. 4—47289
Kaneko, H. *see* Yamada, K. 4—31012
Kaneko, K., Okabe, T., Maio, K., Nagata, M., Matsumoto, K. A 256 bit I^2L RAM with a high-voltage analog circuit 4—46453
Kaneko, K., Okabe, T., Nagata, M., Ogura, S., Furihata, M., Matsumoto, K. Stacked analog—I^2L LSI 4—58235
Kaneko, K. *see* Hase, I. 4—41867
Kaneko, K. *see* Mori, Y. 4—50828
Kaneko, K. *see* Uya, M. 4—58426
Kaneko, M., Kunieda, H., Onoda, M. Topological formulas for switched capacitor networks 4—58130
Kaneko, M., Okamoto, T., Tamada, H., Tamada, T. Optical operation of a magnetic bubble 4—59283
Kaneko, R. *see* Ukita, H. 4—32980
Kaneko, S. *see* Okumura, F. 4—44449
Kaneko, S. *see* Sakamoto, M. 4—61277
Kaneko, T. *see* Matsuda, Y. 4—53509
Kaneko, Y., Fukuhara, Y. DTS-21 digital local switching system physical design 4—38405
Kaneko, Y. *see* Aono, Y. 4—36057
Kaneko, Y. *see* Tokumitsu, Y. 4—36052
Kaneku, S. *see* Miki, S. 4—53914
Kaneku, S. *see* Tanaka, H. 4—60529
Kanel, A. Silicon, structural material for microengineering [transducer design] 4—48885
Kanel, A. Progress of optoelectronics 4—52760
Kanel', L.S. *see* Dyskin, V.I. 4—62861
Kanely, J.R., Kilty, L.R. The government market for fiberoptic systems 4—38615
Kanemaki, K. *see* Nishizono, T. 4—43492
Kanemaki, N., Mizutani, K., Kida, H., Hagiwara, K. Hardware and software for document communication processor 4—54164
Kanemaru, K. *see* Tsuda, H. 4—45115
Kanemasa, A., Niwa, K. An echo cancellation algorithm for full-duplex two-wire data transmission 4—31708
Kanemitsu, Y., Kuroda, H., Shionoya, S. Picosecond dynamics of pulsed laser annealing of ion-implanted silicon 4—41954
Kanemitsu, Y., Okamoto, K., Kuroda, H., Shionoya, S. Dynamical aspects of pulsed laser annealing of ion-implanted silicon 4—41953
Kanepit, V.N. *see* Sumin, V.V. 4—49097
Kaneta, K. *see* Nomura, S. 4—47142
Kaneta, N. *see* Suzuki, Y 4—31873
Kanetkar, S.V. *see* Benyamin-Seeyar, A. 4—43165
Kanetsuna, T. *see* Kozaki, S. 4—59736
Kanevskii, Ya.M., Geifman, G.B. Protection at AC working current of transformers remote from pump stations 4—62586
Kang, G. *see* Mikhael, W.B. 4—43328
Kang, G.S., Everett, S.S. Improvement of the narrowband LPC synthesis 4—53489
Kang, G.S., Lidd, M.L. Automatic gain control 4—53533
Kang, K., Green, M. Solid state electrochromic cells: optical properties of the sodium tungsten bronze system 4—42325
Kang, K., Schmeiser, B. Evaluation and comparison methods for confidence interval procedures 4—40929
Kang, K.N. *see* Wyncoll, J. 4—41907
Kang Cheol Ho *see* Cheol Ho Kang
Kang Hoon *see* Hoon Kang
Kang Hui, Li Cheng-ming, Mu Kuo-kuang The real-time differentiation of white light image through pseudocoloring 4—53793
Kang Hwan Il *see* Hwan Il Kang
Kang Hyung-Boo *see* Hyung-Boo Kang
Kang Kwang-Nam *see* Kwang-Nam Kang
Kang Lee *see* Lee Kang
Kang Li *see* Li Kang
Kang Min Ho *see* Min Ho Kang
Kang Xi-Quan *see* Sun Hong-Sheng 4—48661
Kang Yuying *see* Liang Peihui 4—31450
Kang Yuying *see* Yuying Kang
Kang-Nien Tung *see* Mien-Win Wu 4—33618
Kangmin Xia *see* Xia Kangmin
Kania, D.R., Bartlett, R.J., Wagner, R.S., Hammond, R.B., Pianetta, P. Pulsed soft X-ray response of InP:Fe photoconductors 4—42454
Kania, D.R., Bartlett, R.J., Wagner, R.S., Hammond, R.B., Pianetta, P. Fast photoconductors for synchrotron radiation research 4—55841

Kania, D.R., Jones, L.A., Zimmerman, E.L., Veeser, L.R., Trainor, R.J. Experimental investigation of a magnetic gate as a multimegampere, vacuum opening switch 4−34784
Kania, D.R., Zimmermann, E.L., Trainor, R.J., Veeser, L.R., Jones, L.A. Experimental tests of a moving foil as a high current vacuum opening switch 4−57237
Kania, D.R. *see* Bartlett, R.J. 4−56045
Kanicki, A. Influence of changes of rotational speed of generator rotor during short-circuit on thermal effect of short-circuit current 4−49840
Kanicki, J. Metal-polyacetylene Schottky barrier diodes 4−30595
Kanicki, J., Fedorko, P. Electrical and photovoltaic properties of trans-polyacetylene 4−31215
Kaniel, A. Triple-redundant link ensures data integrity 4−38296
Kanishcheva, N.A. *see* Vikulin, I.M. 4−52078
Kannan, R. *see* Brewster, M.E. 4−57949
Kannan, T.S. *see* Jaleel, V.A. 4−46256
Kannard, K.B. Transportable TT&C terminals: conceptual systems design considerations 4−55286
Kannari, F. *see* Suda, A. 4−31336
Kannberg, L.D. *see* Doherty, T.J. 4−40520
Kanniah, J., Malik, O.P., Hope, G.S. Excitation control of synchronous generators using adaptive regulators. I. Theory and simulation results 4−45423
Kanniah, J., Malik, O.P., Hope, G.S. Excitation control of synchronous generators using adaptive regulators. II. Implementation and test results 4−45424
Kanniah, J., Tripathy, S.C., Malik, O.P., Hope, G.S. Microprocessor-based adaptive load-frequency control 4−49523
Kanno, I., Nakagome, Y., Kimura, I. A new model of luminescence production in thin plastic scintillator film 4−33629
Kanno, M. *see* Minowa, I. 4−33433
Kanno, Y., Amemiya, T., Takahashi, N., Kobayashi, N. The short circuit electromagnetic force of the three phase encapsulated gas insulated busbar 4−57274
Kano, G. *see* Ohta, I. 4−36584, 4−42073
Kano, G. *see* Ueda, D. 4−36587
Kano, H., Takigawa, M., Usami, A., Inoue, Y. Rutherford back-scattering study on Xe flash lamp annealing of $^{31}P^{+}$ ion implanted Si 4−46934
Kano, I., Watanabe, G., Baba, T. Digital Control System MS80B 4−56816
Kano, S., Miki, T., Suzuki, T. Network synchronization, control and management [telecommunications] 4−32208
Kano, T. Luminescence of Ca-doped $(Y_{1-x}, Gd_x)_2O_2S$ 4−42473
Kano, T., Seki, S., Shing Zhung Cjiou Preparation and luminescence properties of $Y_2(WO_4)_3:Eu^{3+}$ 4−42472
Kanoh, M. *see* Matsuda, Y. 4−53509
Kanomata, I. *see* Tokiguchi, K. 4−40480
Kanopoulos, N., Mitchell, G.T. Design for testability and self-testing approaches for bit-serial signal processors 4−55318
Kanowski, S. The significance of the new water laws and regulations for the direct and indirect disposal of wastes in the surface treatment industry 4−50395
Kanskaya, L.M. *see* Zimogorova, N.S. 4−47334
Kantelberg, G. Linear and quadratic detectors for measuring the spectral density of noise 4−48810
Kanter, E.S. Curing static electricity 4−59699
Kanter, R. Call recording and accounting systems 4−43660
Kanter, V.D. *see* Shimanovich, M.Sh. 4−62895
Kanters, H.T. *see* Driessen, L.M.H.E. 4−43197
Kanters, J.T. *see* Peters, J.H. 4−44297
Kantner, E. *see* Bellows, R.J. 4−40423
Kantonistov, A.A. *see* Anan'ev, L.L. 4−55654
Kantor, C. *see* Frigyes, I. 4−32662
Kantor, G., Witters, D.M. The performance of a new 915-MHz direct contact applicator with reduced leakage 4−39584
Kantor, M.E., Moore, R.A. The HTGR experience base at Fort St. Vrain 4−40036
Kantsedal, S.A. A decomposition approach to the solution of large-scale scheduling problems 4−57801
Kantsler, P.V. *see* Kadomskaya, K.P. 4−62647
Kantz, D., Goetz, J.R., Bender, R., Baehring, M., Wawersig, J., Meyer, W., Mueller, W. A 256K DRAM with descrambled redundancy test capability 4−51244
Kanunov, E.R. *see* Valiev, K.A. 4−51673
Kanzaki, H. *see* Kimura, T. 4−36367
Kanzaki, K. *see* Miyamoto, J. 4−36739, 4−51240
Kanzaki, K. *see* Momose, H. 4−30787
Kanzaki, K. *see* Niitsu, Y. 4−36856
Kanzaki, K. *see* Tanaka, S. 4−51233
Kanzaki, T., Yamaya, T., Moriya, F. High-power GTO thyristor application to power electronic equipment used on railway vehicles 4−57465
Kao, C. *see* Madan, P. 4−58356
Kao, C.K. *see* Chiu, L.C. 4−36497
Kao, H., Lu, N., McKee, O. An analysis of optimum interference excision filter for spread spectrum systems 4−37955
Kao, K.C. Double injection in solids with non-ohmic contacts. I. Solids without defects 4−46868
Kao, K.C. Double injection in solids with non-ohmic contacts. II. Solids with defects 4−46869
Kao, K.C. *see* Xie, H.-K. 4−30832
Kao, W.H., Fathi, N., Madden, J.A., Wen, C.C. ISIS: an integrated simulation system for process-device-circuit design 4−36899
Kao, Y.H. *see* Da-Ren He 4−52508
Kap Seok Choi *see* Chang Suk Kim 4−46582
Kapaev, V.V., Kopaev, Yu.V., Molotkov, S.N. A nonthermal mechanism for laser annealing of semiconductors and formation of superstructures 4−51967
Kapetanakos, C.A., Marsh, S.J., Sprangel, P. Dynamics of a high-current electron ring in a conventional betatron accelerator 4−39385
Kapetanakos, C.A. *see* Pasour, J.A. 4−37270
Kapilevich, B.Yu., Berger, M.N., Ishchuk, A.A. A two-mode waveguide-dielectric resonator with beyond-cutoff couplings 4−36022
Kapitan, L.W., Litton, C.W., Clark, G.C., Colter, P.C. On the design and characterization of a novel arsine cracking furnace utilizing catalytic decomposition of AsH_3 to yield a purely monomeric source of arsenic for molecular beam epitaxial growth of GaAs 4−50769
Kaplan, B.Z., Kottick, D. A compact representation of synchronous machines 4−34627
Kaplan, D. *see* Coulibaly, S.P. 4−51802
Kaplan, E.N. *see* Wood, S.L. 4−44769
Kaplan, G. Japan's information network system 4−54583
Kaplan, G. *see* Bar-David, I. 4−47704
Kaplan, H. Thermal sensing instruments 4−33309
Kaplan, H. An update of commercial infrared sensing and imaging instruments 4−55246
Kaplan, J. The uncertain future of Centrex 4−32551
Kaplan, M. *see* Shalmon, M. 4−43807
Kaplan, M.L. *see* Forrest, S.R. 4−30591, 4−51830
Kaplan, M.L. *see* Hess, R.V. 4−56287
Kaplan, M.N., Tslaf, A.L. Threshold conditions for arc damage of insulation surfaces 4−30828
Kaplan, M.N., Tslaf, A.L. Criteria for the weldability of contact materials in adiabatic transient conditions 4−41625
Kaplan, R.H. *see* Stone, D.C. 4−30763, 4−36918
Kaplan, S.B., Rajeevakumar, T.V. Soliton single pulse generator 4−51038
Kaplan, S.B., Stuck, G. Josephson soliton combinatorial logic 4−47218
Kaplan, S.B. *see* Gheewala, T.R. 4−37062
Kaplan, S.N. *see* Anderson, L.W. 4−61661
Kaplinsky, C., Freeman, M. Memory controller gives a microprocessor a big mini's throughput 4−58413
Kaplinsky, C., Thomsen, G. Smart controller chip set simultaneously juggles hard-, floppy-disk drives 4−41420
Kaplun, I.M., Levedev, Yu.P., Markov, F.V., Ukhlinov, G.A. Light-guide pyrometer for monitoring high temperatures 4−33314
Kapner, H.B. *see* Dalal, H.M. 4−30566
Kapon, E., Katz, J., Yariv, A. Supermode analysis of phase-locked arrays of semiconductor lasers 4−31463
Kapon, E., Katzir, A. Distributed Bragg-reflector PbSnTe/PbSeTe diode lasers 4−59506
Kapon, E., Lindsey, C., Katz, J., Margalit, S., Yariv, A. Chirped arrays of diode lasers for supermode control 4−52949
Kapon, E., Margalit, S., Yariv, A., Katz, J. Control of longitudinal modes in semiconductor-laser phased arrays by phase velocity matching 4−53002
Kapon, E., Sivan, U., Salzman, J., Arieli, R., Katzir, A. Multimode Y-coupler for heterodyne detection 4−59208
Kapon, E. *see* Arieli, R. 4−37155
Kapon, E. *see* Katz, J. 4−47447, 4−59533
Kapon, E. *see* Katzir, A. 4−59231
Kapon, E. *see* Rav-Noy, Z. 4−52084, 4−52114
Kapoor, D.V. Technical education−engineering industry's view point 4−45870
Kapoor, S.S. *see* Govil, R. 4−49067
Kappagantula, S., Rao, K.R. Motion compensated predictive coding 4−53818
Kappei, F. *see* Liedtke, G.E. 4−32063
Kappeler, F. *see* Wisshak, K. 4−33659, 4−39430
Kappeler, T. A review of BIOCOMP 2001 4−33788
Kappes, W. *see* Barbian, O.A. 4−35519
Kappetijn, F. Prospects of the Dutch publisher VNU in a highly cabled country 4−48142
Kapralov, V.P., Privalov, V.E. International comparison of helium-neon lasers stabilized on absorption saturation in iodine-127 (review) 4−42533
Kapranos, P.A. Compression crack closure effect (CCCE)−a basis for an ultrasonic NDE technique 4−46272
Kapron, F.P. Dispersion-slope parameter for monomode fiber bandwidth 4−52664
Kapron, F.P., Lazay, P.D. Monomode fiber measurement technique and standards 4−61559
Kapron, H., Chojnowski, J. Influence of water power plants on the reliability and costs of a power supply system 4−34063
Kapsner, F. *see* Wenderoth, W. 4−38201
Kapur, J.N. On maximum-entropy complexity measures 4−31814
Kapur, P.K., Butani, N.L., Bala, R. Generalised availability measures for a multiunit repairable system with standby failure 4−57875
Kapustin, A.N. *see* Lyapin, E.A. 4−40000
Kapustin, P.A. *see* Bystrov, V.P. 4−56305
Kapustin, V.A. *see* Kaluzhina, S.A. 4−46258
Kapustin, V.I., Marin, V.P. Effect of temperature and point defects on the secondary electron emission of oxides 4−41747
Kapustin, V.I. *see* Gromov, Yu.V. 4−41129
Kapustinsky, J.S. *see* Sondheim, W.E. 4−33658
Kapustkin, A.A. *see* Larionov, M.G. 4−32875
Karabanov, Yu.P. ID and FD fans for coal-fired generating units 4−40119
Karachunskii, P.Sh. *see* Nizimov, V.B. 4−40230
Karady, G. *see* Zabar, Z. 4−62637
Karadzhali, T.M. *see* Viktorov, V.V. 4−55702
Karageorgii-Alkalaev, P.M. *see* Andreev, A.A. 4−51912
Karageorgy-Alkalaev, P.M. *see* Azimov, S.A. 4−41875
Karagiozov, L., Trifonova, E.P. A new iodide method for the preparation of II-VI and IV-VI compounds 4−35453
Karaguleff, C., Stegeman, G.I. Degenerate four-wave mixing with surface guided waves 4−53067
Karakhanova, I.V. *see* Biryukov, A.S. 4−59448
Karale, R.L., Bali, Y.P., Seshagiri Rao, K.V. Soil mapping using remote sensing techniques 4−61997
Karal'nik, N.A., Timofeev, V.E. A telecine room for IV generation TV centres 4−54945
Karalyunets, A.V. *see* Kotov, V.M. 4−37201
Karamanzanis, G. *see* Jackson, R.D. 4−57202
Karamerich, G.L., Goradia, M., Groumpos, P.P. Integration of computer-assisted learning modules in traditional electrical engineering courses 4−40751
Karamyan, S.G., Zeltsburg, B.A. Calculating characteristics of a radio frequency coaxial cable with metallised film sheathing 4−43920
Karanian, B.A. The manager selection process: are women engineers ignored? 4−35227
Karapetyan, G.O. *see* Livshits, V.Ya. 4−42324
Karapetyan, M.A., Shagyan, A.G. Dielectric sphere in an external nonhomogeneous electric field 4−53137
Karapiperis, L., Adesida, I., Lee, C.A., Wolf, E.D. Development characteristics of Ga^{+} exposed PMMA and associated lithographic resolution limits 4−41976
Karas, G. *see* Formanne, G.C. 4−33966
Karasaki, K. *see* Hara, Y. 4−51647
Karasawa, S. *see* Tsushima, S. 4−53163
Karasawa, Y., Shiokawa, T. Frequency spectrum of *L*-band multipath fading due to sea surface reflection 4−42869
Karasawa, Y., Shiokawa, T. Characteristics of L-band multipath fading sea surface reflection 4−54675
Karasev, A.A. *see* Dvorovkin, V.E. 4−33168
Karasev, A.V., Romanov, S.V. Calculating the specific permeance of an electric machine air gap for unipolar core magnetization 4−34582
Karasev, A.V. *see* Direktor, L.B. 4−53037
Karasev, A.V. *see* Ilin, G.P. 4−37547
Karasev, B.G. *see* Alekseev, I.A. 4−42560
Karasev, F.V. *see* Manzhos, V.N. 4−31986
Karasev, V.B., Novosel'skii, O.Yu., Ilyushin, V.F., Letnitskii, Yu.A., Librovskii, V.B., Sakovich, E.V., Shmelev, V.E., Eshcherkin, V.M., Shchepetil'nikov, V.A. The separation characteristics of a model drum separator of the RBMK-1500 reactor 4−40026
Karasev, V.B. *see* Al'tshuler, G.B. 4−31347, 4−42717
Karasev, V.V. Dependence of steel losses on shape of induction curve 4−31605
Karatsu, O. *see* Hoshino, T. 4−51185
Karavaev, G.V. *see* Alyavina, N.I. 4−50196
Karawacki, E. *see* Gustafsson, S. 4−39271
Karayan, A.S. *see* Arakelyan, S.M. 4−47306
Karaylianis, N.E. *see* Patterson, M.S. 4−52415
Karban, O. *see* Kramer, D. 4−33623
Karbassiyoon, K., Akers, F.I. Method of controlling preform core to outside diameter ratio using the substrate glass evaporation technique 4−52652
Karbowiak, H. *see* Bergiel, K. 4−32695
Karbushev, N.I., Udovichenko, S.Yu., Rukhadze, A.A. Diocotron instability of confined relativistic electron beams 4−59719
Karchemskii, F.S. *see* Belokopytov, A.Yu. 4−62196
Karcher, G.W. *see* Grimm, J.D. 4−38024
Karcher, H.B., Dietl, J. Bildschirmtext in the office for the medium-sized firm 4−54277
Karczewski, G., Ortenberg, M.V., Galazka, R.R. Infrared laser-diode emission of $Pb_{1-x}Mn_xS$ in high magnetic fields 4−37389

Kardashov, A.A. *see* Bardachevskii, V.T. 4—34978
Kardos, G., Laczko, M., Ritecz, J. Increased requirements against high voltage plastic cables 4—39873
Karecki, D.R. *see* Carr, G.L. 4—39185, 4—42286
Karel, F. *see* Pastrnak, J. 4—31209
Karelin, V.Ya., Krivchenko, G.I., Arshenevskii, N.N., Novoderezhkin, R.A. Transients and unsteady phenomena to improve the designs of hydroelectric, pumped-storage, and pumping stations 4—45326
Karemaker, J.M. *see* De Boer, R.W. 4—44749
Kares, A. *see* Benford, J. 4—42825
Karger-Kocsis, J. Tendencies of fabrication and application of conductive plastics 4—50840
Karhunen, J. Adaptive algorithms for estimating eigenvectors of correlation type matrices 4—60050
Karidis, J.P., Turns, S.R. A comparison of lumped and distributed solutions to nonlinear, transient, magnetic field problems 4—31563
Karim, F.O. Universal mask generator 4—46434
Karim, M.A. System model for realizing nonlinear optical image processing 4—47922
Karimi, I.A. *see* Mosby, J.F. 4—35207
Karimov, S.K. Effect of copper doping on the thermoelectric properties of $CdTl_2Te_4$ 4—30382
Karimov, Yu.S. *see* Vlasov, V.A. 4—49005
Karjalainen, M. Sound quality measurements of audio systems based on models of auditory perception 4—55118
Karjalainen, M. *see* Koljonen, J. 4—53491
Karkheck, J. *see* Luxon, J.T. 4—53044
Karkowski, Z., Wozniak, M. Inspection of a turbine transducer for the spirometer apparatus 4—39513
Karkowski, Z. *see* Jellonek, K. 4—39515
Karl, J. *see* Arciszewski, K. 4—53457
Karlicek, R.F. *see* Donnelly, V.M. 4—41075
Karlicek, R.F. *see* Wilt, D.P. 4—52984
Karlov, N.V., Kuz'min, G.P., Prokhorov, A.M. Non-self-sustained discharge with a plasma cathode 4—47424
Karlov, N.V. *see* Atanasov, P.A. 4—52917
Karlov, N.V. *see* Datskevich, N.P. 4—59449
Karlov, N.V. *see* Valiev, K.A. 4—51673
Karlovic, M.S. *see* Haberer, J.R. 4—52259
Karlsson, B. *see* Sjoholm, B. 4—56399
Karlsson, K., Hagermann, B. A clinical comparison between a laboratory and a commercial impedance audiometer 4—61776
Karlsten, P. ASEA robot vision offers increased production flexibility 4—53947
Karlyshev, Yu.Ya. Analog video signal processor for an automatic nuclear photoemulsion scanning system 4—61717
Karmaker, H.C. Integral equation methods for industrial applications 4—31706
Karmanova, E.M., Kolotygin, E.S. Optimizing the modes of operation in a mobile test laboratory 4—55153
Karmatschek, B., Schimandl, W. Automatic control of the output in a regional medium voltage network 4—34171
Karmazin, S.V. Transverse radioelectric effect in strip transmission lines on a layered dielectric-semiconductor substrate 4—42914
Karmazin, S.V., Zil'berman, P.Ye., Nam, B.P., Khe, A.S. Investigation of the effects of an interaction of surface magnetostatic waves with retarded electromagnetic waves 4—31040
Karmazin, V.M. *see* Miloshenko, V.E. 4—59159
Karmenyan, A.V. *see* Arutyunyan, V.M. 4—59467
Karmenyan, A.V. *see* Gasparyan, M.R. 4—59181
Karnad, S.S. India's first portable automatic electroslag welding machine 4—35076
Karnauch, P. Industrial introduction of gallium arsenide digital ICs 4—51361
Karnaukhov, I.M. *see* Agranovich, V.L. 4—49096
Karner, N. One technical writer: 140 engineers:—not only possible, but probable 4—35215
Karnofsky, K. *see* Krasner, M. 4—53528
Karnofsky, K.F. *see* Viswanathan, V.R. 4—59978
Karo, A.M. *see* Freeman, A.J. 4—44680
Karo, A.M. *see* Hiskes, J.R. 4—44665
Karovic, K. Systematic measuring error at edge capture 4—55145
Karow, C.S. An automated procedure for the determination of satellite earth station coordination areas 4—38559
Karp, A. Biperiodicity as liability and as asset in non-helix linear-beam TWT interaction structures 4—36225
Karp, A. *see* Jacquez, A. 4—36219
Karp, R.M., Luby, M. Monte-Carlo algorithms for enumeration and reliability problems 4—29345
Karpati, A.-P., Hermann, I., Magyar, P. Model of three-phase controlled rectifier bridge operating in weak network 4—40323
Karpel, S. Mass production soldering in electronics industry 4—35305
Karpel'son, A.E. *see* Korolev, M.V. 4—44498, 4—61349
Karpenko, A.P. *see* Avrutik, A.M. 4—61214
Karpenko, L.N., Skornyakov, V.A. Current density distribution in cylindrical contacts [switch contacts] 4—41652
Karpenko, L.N., Skornyakov, V.A., Surina, G.A Calculation of closed contact temperature rise with regard to the skin effect 4—41642
Karpenko, S.G. *see* Apanasevich, P.A. 4—42504
Karpenko, S.L. *see* Gatsoev, K.A. 4—42467
Karpenko, V.A., Panchenko, V.E., Soshchin, N.P. Measurements of the parameters of a superviticon with phosphor screen as an X-ray imaging detector 4—61741
Karpeta, J. Scandinavian public data network 4—38314
Karpinski, J., Jun, J., Porowski, S. Equilibrium pressure of N_2 over GaN and high pressure solution growth of GaN 4—29465
Karpinskii, N.P. *see* Zanichovskaya, L.V. 4—45189
Karpisek, J. *see* Matev, M. 4—56843
Karplyuk, A.I. Diffusion of dopant from ion-implanted polycrystalline silicon films 4—58717
Karpov, A.F. *see* Atayants, B.A. 4—47869, 4—53343
Karpov, N.R. An instrument for measuring time intervals with a recirculation interpolator 4—33495
Karpov, S.Yu., Kuchinskii, V.I., Lazutka, A.S., Portnoi, E.L., Smirnitskii, V.B. Semiconductor waveguide heterostructure integrated with an optical device for interference illumination 4—52696
Karpov, S.Yu. *see* Kalandarishvili, K.G. 4—37379
Karpov, V.I. *see* Belovolov, M.I. 4—59247
Karpov, V.Kh. *see* Novikov, S.I. 4—49787
Karpov, Yu.A. *see* Bagraev, N.T. 4—58011
Karpova, I.A. *see* Lyutova, N.A. 4—39580
Karpova, M.I. *see* Gurevich, V.M. 4—41085
Karpovich, I.A. *see* Boldyrevskii, P.B. 4—41967
Karpovsky, M. Memory testing by linear checks 4—58328
Karpovsky, M., Levitin, L. Error detection in combinational networks by use of codes based on Hadamard matrices 4—43137
Karppinen, M. *see* Vatjus-Antilla, L. 4—55578
Karpukhin, G.P. *see* Kovalev, I.I. 4—51642
Karpukhin, S.N., Yashin, V.E. Efficient reflection with phase conjugation in stimulated Raman scattering in crystals 4—59610
Karpukhin, V.T. *see* Antropov, E.T. 4—42531
Karpukov, L.M. A subcircuit symbol analysis of super-high frequency devices 4—41143
Karpushko, F.V. *see* Basiev, T.T. 4—31365
Karr, S.G. *see* Hart, H.R. 4—49158
Karran, S.J. *see* Fleming, J.S. 4—39549
Karras, M. *see* Harkonen, E. 4—56372
Karsai, K., Schmidt, L. Equipment for measuring the average temperature rise of coils 4—57104
Karstad, K. Microprogramming and bit-slice architecture 4—29887
Karstad, K. CMOS/SOS multiplier raises system throughput. Processes operands of any length 4—35894
Karstad, K. Instructions add flexibility to bit-slice design 4—58349
Karstad, K. Applying an 8×8 CMOS/SOS multiplier 4—58417
Kartashev, I.I., Bunaiya, K. Balance of the reactive power in the load with a static thyristor compensation 4—56597
Karten, H.A. More micro/MF products debut 4—43781
Karten, H.A. The inner workings of packet switching 4—43782
Karten, H.A. Flat panel displays coming 4—55592
Karthein, R. *see* Schmitt, H. 4—30847
Karthikeyan, M. *see* Narasimhan, M.S. 4—47682
Kartsovnik, V.V. *see* Shnyrkov, V.I. 4—37071
Kartushin, P.A. *see* Get'man, G.K. 4—62896
Kartvelishvili, N.A. Internal pressure fluctuations in pressure pipes 4—45327
Karulkar, P.C. *see* Richards, D. 4—47325
Karunakaran, D. *see* Damodara Das, V. 4—58761
Karunaratne, M.D.G., Michalski, K.A., Butler, C.M. TM scattering from a conducting strip loaded by a dielectric cylinder 4—59737
Karunaratne, N.D. Telematic infrastructures for the developing Pacific 4—32156
Karunasiri, R.P.G. *see* Coon, D.D. 4—39187, 4—48903, 4—55462, 4—61373
Karunathilaka, S.A.G.R. *see* Hughes, M. 4—40372
Karvonen, M. Ah, wilderness . . . telephones! 4—48019
Karwan, M.H. *see* Koksalan, M.M. 4—46091
Karwowska-Lamparska, A. Choice of the optimum prediction algorithm in the case of intraframe differential encoding of video signals 4—43123
Karwowski, A. Low-frequency approach to the problem of a horizontal wire antenna above an imperfect ground 4—42952
Karyagin, V.V. *see* Auslender, M.I. 4—30386
Karymov, A.A. *see* Danilevich, Ya.B. 4—34583
Karzmark, C.J. Advances in linear accelerator design for radiotherapy 4—39592
Karzmark, C.J. Recent advances in linear accelerators for radiotherapy 4—39594
Kasahara, J. *see* Kato, Y. 4—29825, 4—41440
Kasahara, K., Hayashi, J., Makita, K., Taguchi, K., Suziki, A., Nomura, H., Matushita, S. Monolithically integrated $In_{1.53}Ga_{0.47}As$-PIN/InP-MISFET photoreceiver 4—31230
Kasahara, K., Hayashi, J., Makita, K., Taguchi, K., Suzuki, A., Nomura, H., Matushita, S. Monolithically integrated $In_{0.53}Ga_{0.47}As$-pin/InP-MISFET photoreceiver 4—37227
Kasahara, K., Hayashi, J., Nomura, H. Gigabit per second operation by monolithically integrated InGaAsP/InP LD-FET 4—52966
Kasahara, K. *see* Taniguchi, H. 4—40124, 4—40127
Kasahara, M., Shimizu, H, Imaizumi, M. Basic concept of the digital network for the Information Network System (INS) 4—32236
Kasahara, M. *see* Hirasawa, S. 4—43099
Kasahara, M. *see* Kumazawa, H. 4—31874
Kasahara, M. *see* Miyabe, Y. 4—43095
Kasahara, M. *see* Tokiwa, K. 4—59931, 4—59932
Kasahara, S. *see* Kobayashi, I. 4—31315
Kasahara, T. *see* Shoji, K. 4—54927
Kasai, H. *see* Yoshikawa, A. 4—50809
Kasai, K. *see* Masuda, Y. 4—52332
Kasai, M. *see* Tomita, H. 4—62321
Kasai, N. *see* Endo, N. 4—36850
Kasai, R., Fukami, K., Tansho, K., Kitazawa, H., Horiguchi, S., Miyaho, N. An integrated modular and standard cell IC design method 4—51166
Kasai, R. *see* Izumida, K. 4—44804
Kasai, S. *see* Inatsu, M. 4—61044
Kasai, S. *see* Okada, Y. 4—36965
Kasai, T. *see* Fukunaga, K. 4—40950
Kasai, T. *see* Toda, S. 4—52231
Kasai, T. *see* Tomie, T. 4—59477
Kasai, Y. *see* Counji, T. 4—30909
Kasami, T., Fujiwara, T., Lin, S. Generalized Sidel'nikov's bound and its applications 4—43183
Kasami, T., Wei, V.K., Lin, S., Yamamura, S. Coding for the binary symmetric broadcast channel with two receivers 4—48554
Kasanami, T. *see* Fujishima, S. 4—51018
Kasap, G.G. *see* Menyailo, A.D. 4—41601
Kasatkin, B.A. Method of crossed normal modes in the theory of piezoelectric transducers of arbitrary dimensions 4—62012
Kasatkin, B.A., Pavin, N.Ya. Piezoelectric transducer with controlled response characteristics 4—56355
Kasatkin, B.S. *see* Lobanov, L.M. 4—44621
Kasatkin, N.A. *see* Vorob'ev, G.A. 4—36923
Kasatkin, V.A. *see* Dmitriev, A.G. 4—30418
Kasch, D. *see* Eisenhuth, J. 4—34786
Kaschieva, S.B. *see* Danesh, P. 4—36473
Kasdagly, D.G., Little, R.W. Modular processor—a method and apparatus for mass producing a computer system 4—45983
Kasegebein, D. Testing for intermod 4—59761
Kasemset, D. *see* Kim, M.E. 4—31176, 4—52691, 4—58975
Kaser, A., Probst, P.A. Degradations and quality of transmission in the digital network 4—60346
Kasha, H. *see* Schmidt, M.P. 4—29946
Kashchei, V.A. *see* Danil'chenko, V.P. 4—54907
Kashchieva, S., Danesh, P., Dyakov, A. RF annealing of the implantation-induced defects in silicon using hydrogen plasma 4—41940
Kashef, B.G. A survey of new techniques for image registration and mapping 4—53837
Kashef, B.G., Tam, K.K. Synthetic aperture radar image bandwidth compression 4—53815
Kashevarov, V.L. *see* Gogitidze, N.Z. 4—58724
Kashihara, T. *see* Koyama, S. 4—49657
Kashihara, T. *see* Takenaga, M. 4—52527
Kashiki, K. *see* Yasuda, Y. 4—37844
Kashima, N., Nihei, F. Design and performance of newly developed optical fiber fusion splicing machine 4—37130
Kashima, N., Tachikura, M., Satake, T., Hirai, M. Fiber joint technique for optical fiber subscriber cables 4—44107
Kashima, N. *see* Nihei, F. 4—44093
Kashima, N. *see* Sankawa, I. 4—42396
Kashima, N. *see* Satake, T. 4—42398
Kashima, N. *see* Sato, M. 4—47289
Kashima, N. *see* Tachikura, M. 4—31124
Kashima, Y. *see* Okuda, K. 4—45664
Kashimoto, Y. *see* Tanaka, T. 4—30786
Kashino, E., Kokaji, M., Murai, Y., Fukumori, H., Ikemi, K. MELDRIVE systems for large-capacity converter-fed synchronous motors 4—62512
Kashinov, V.V., Basevich, Ya.S. Equivalent representation of markers of the time position of pulse signals and their optimization 4—53656
Kashio, J. *see* Suzuki, M. 4—43258
Kashio, J. *see* Terada, M. 4—60590
Kashiwa, K. *see* Yajima, H. 4—52548
Kashiwabara, M. *see* Murayama, A. 4—59660
Kashiwagi, M. *see* Inoue, T. 4—50793
Kashiwagi, M. *see* Moriya, T. 4—30805, 4—36496, 4—42016
Kashiwagi, M. *see* Shima, S. 4—42140
Kashiwagi, S. *see* Ishii, K. 4—36558
Kashiwakura, A. *see* Takasuka, M. 4—33315
Kashiwakura, A. *see* Yamashita, N. 4—33316
Kashkakha, A.V. *see* Okhotin, V.N. 4—34423
Kashper, A.N., Varvaloucas, G.C. Trunk Implementation Plan for hierarchical networks 4—38113

Kashyap, R.L. Two dimensional ARMA models 4—43472
Kashyap, R.L., Lapsa, P. Two dimensional stochastic fractional AR models with strong periodicities 4—60238
Kashyap, R.L., Lapsa, P.M. Orientation of anisotropic random fields and images 4—53893
Kashyap, S.C. Emissions from ISM sources 4—37615
Kashyap, S.C. Field patterns in TEM cells 4—39280
Kashyap, S.C. Measurement of antenna factors with a TEM cell 4—59779
Kasimov, F.D. *see* Abdullayev, A.G. 4—50790
Kasimov, F.D. *see* Aliev, I.M. 4—30583
Kaska, H. SEP role in TELECOM PZT [Polish Electrical Engineers Association] 4—40692
Kaske, K. Corporate management in a changing world economy 4—57762
Kaskevich, O.K. *see* Markova, V.N. 4—36265
Kaskiewicz, P.F. *see* Gurk, H.M. 4—61917
Kasley, K.L., Oleszek, G.M., Zigadlo, J.P. A model for the lateral junction contour of double-diffused Gaussian profiles 4—58854
Kaslin, V.M., Yakushev, O.F. Optically pumped gas laser using electronic transitions in the NaRb molecule 4—59446
Kasori, H. The NPL moving-coil ampere determination 4—55528
Kasouf, G., McGoye, D.A. R/M design for long term dormant storage 4—46039
Kasouf, G., Weiss, D. An integrated missile reliability growth program 4—49348
Kaspar, F. Critical power of synchronous generators with permanent magnets 4—40222
Kaspar, H. *see* Deutsch, J. 4—49088
Kasper, B. *see* Capasso, F. 4—42478
Kasper, B.L., Campbell, J.C., Dentai, A.G. Measurements of the statistics of excess noise in separate absorption grading and multiplication (SAGM) avalanche photodiodes 4—59337
Kasper, B.L. *see* Campbell, J.C. 4—37224, 4—52808
Kasper, B.L. *see* Chen, C.Y. 4—48895
Kasper, B.L. *see* Linke, R.A. 4—44088
Kasper, P. *see* Bjelkhagen, H. 4—39468
Kasperek, G. Data analyzers are sniffing out network snags 4—43741
Kasprzak, A. *see* Meder, L. 4—49648
Kasprzak, H. Some numerical reconstruction properties of the Fourier type synthetic amplitude holograms 4—31517
Kasprzak, H., Podbielska, H. The effect of vignetting on one-lens and two-lens optical systems for rainbow-holography 4—37489
Kasprzak, H. *see* Podbielska, H. 4—31521
Kasprzak, H. *see* Sultanova, N. 4—37490
Kasprzak, H. *see* Urbanczyk, W. 4—53103
Kasradze, G.G. *see* Totladze, Z.D. 4—39814
Kassakian, J.G., Lau, D. An analysis and experimental verification of parasitic oscillations in paralleled power MOSFETs 4—47034
Kassebohm, B. *see* Marnet, C. 4—34411
Kassing, R., Cohausz, L., van Staa, P., Mackert, W., Hoffman, H.J. Determination of the entropy-factor of the gold donor level in silicon by resistivity and DLTS measurements 4—36248
Kassirov, V.M. *see* Sipailov, G.A. 4—40333
Kastalsky, A., Hwang, J.C.M. Study of persistent photoconductivity effect in n-type selectively doped AlGaAs/GaAs heterojunction 4—52770
Kastalsky, A., Kiehl, R.A., Luryi, S., Gossard, A.C., Hendel, R. Microwave generation in NERFET 4—58525
Kastalsky, A. *see* Hwang, J.C.M. 4—36308
Kastalsky, A. *see* Luryi, S. 4—36639, 4—47030, 4—51811
Kasten, F. *see* Dogniaux, R. 4—33083
Kastens, T., Scholze, W., Zimmermann, W., Gaidetzka, H. Once-through cooling of turbines of the 500 MW blocks by sucking-in air 4—56821
Kastien, H. The single-board compute4 CT 65 4—35831
Kastien, H. *see* Vettiger, W. 4—29841
Kastner, M. A high speed stabilized gated integrator 4—39479
Kastner, M.A., Thio, T., Monroe, D. Thermally generated defects in liquid and glassy As_2Se_3 4—58742
Kastner, M.A. *see* Gibson, D.D. 4—36291
Kastner, M.P. *see* Pattipati, K.R. 4—49424
Kasturirangan, K. *see* Navalgund, R.R. 4—61902
Kasuya, H. *see* Gao, X. 4—53480
Kasuya, K. *see* Horioka, K. 4—55798
Kasvand, T., Otsu, N. Regularization of digitized plane curves for shape analysis and recognition 4—53858
Kasvand, T. *see* Otsu, N. 4—53854
Kaszewski, B. *see* Ignasiak, B. 4—45717
Kaszkurewicz, E. *see* Rego, J.I. 4—35938
Katagi, T., Mano, S., Sato, S.I. An improved design method of Rotman lens antennas 4—47664
Katagi, T. *see* Betsudan, S. 4—59895
Katagi, T. *see* Chiba, I. 4—42996
Katagi, T. *see* Ebisui, T. 4—59845
Katagi, T. *see* Mano, S. 4—42939
Katagiri, K. *see* Hashimoto, K. 4—44121
Katagiri, K. *see* Miura, A. 4—38623
Katagiri, T., Tachikura, M., Sankawa, I. Optical microscope observation method of a single-mode optical-fiber core for precise core-axis alignment 4—52560
Katano, F., Takahashi, K., Uetake, K., Ueda, K., Yamamoto, R., Highashisaka, A. Fully decoded GaAs 1 Kb static RAM using closely spaced electrode FETs 4—35813
Katano, F. *see* Higashisaka, A. 4—42138
Katanuma, M. *see* Kondo, H. 4—54470
Kataoka, H., Ikeda, M. Laser-diode optical switch module 4—42745
Kataoka, H. *see* Endo, T. 4—54165
Kataoka, T., Sato, F., Furukawa, M. VE 2000 automatic composite response system 4—32610
Katausky, J. *see* Smith, L., Jr. 4—57496
Katayama, H. Digital servo control system; its analysis and application for practical use [in video tape recorder] 4—32982
Katayama, H. *see* Deguchi, T. 4—52720
Katayama, K. *see* Shiomi, Y. 4—54986
Katayama, S., Niino, S., Yano, S., Tezuka, A., Seto, M. An AC drive system for metal-processing lines 4—62731
Katayama, S., Yamamoto, K. Microwave integrated circuit (MIC) which enables radio equipment to be small and economical 4—41595
Katayama, S. *see* Ishihara, K. 4—57607
Katayama, T. Analysis of a break-in service tandem queue attended by a moving server 4—37796
Katayama, T. Analysis of a limiting service tandem queue attended by a moving server with walking time 4—37797
Katayama, T. *see* Hanabe, K. 4—38230
Katayama, Y., Morioka, M., Sawada, Y., Ueyanagi, K., Mishima, T., Ono, Y., Usagawa, T., Shiraki, Y. A new two-dimensional electron gas field-effect transistor fabricated on undoped AlGaAs-GaAs heterostructure 4—30623
Katayama, Y. *see* Ikeda, Y. 4—53193
Katayama, Y. *see* Usagawa, T. 4—50797
Katayev, I.G. *see* Basov, A.A. 4—53247
Kate, H.H.J.ten *see* ten Kate, H.H.J.
Kate, W.R.T.ten *see* ten Kate, W.R.T.
Kater, D. Communications equipment includes in-house broadband communications 4—38143
Katerinchuk, V.N., Kovalyuk, Z.D., Mintyanskii, I.V. Characteristic features of the electrical properties of indium selenide 4—46838
Katevenis, M.G.H. *see* Sherburne, R.W., Jr. 4—51300
Kath, U. *see* Beiermann, N. 4—39358
Katheder, H. Leak testing of very long and narrow channels. Example: Internally cooled superconducting coil 4—47229
Kato, A. *see* Kobayashi, K. 4—35862
Kato, D. Laser microscope 4—42750
Kato, H., Ishida, T. A new inductive applicator for hyperthermia 4—39577
Kato, H., Mori, S., Kuwano, H. Effect of flat-band voltage shift and nonvolatile memory in platinum-diffused metal-oxide-semiconductor devices 4—58806
Kato, H., Yoshizawa, H., Ito, S., Yamada, K., Kawanishi, H. A CAD system for current distribution analysis on gate arrays 4—58293
Kato, H. *see* Hori, Y. 4—44620
Kato, H. *see* Kawanishi, H. 4—36731
Kato, H. *see* Mizuno, H. 4—38532
Kato, H. *see* Tanaka, T. 4—38529
Kato, H. *see* Tokumitsu, T. 4—38531
Kato, H. *see* Yabe, S. 4—36760
Kato, I. *see* Koganezawa, K. 4—56127
Kato, I. *see* Puyane, R. 4—35496
Kato, I. *see* Tanie, K. 4—49306
Kato, J., Iwamatsu, S. Rapid annealing using halogen lamps 4—46933
Kato, K. Frequency conversion by use of new nonlinear optical crystals 4—31478
Kato, K. High-power difference-frequency generation at 5-11 μm in $AgGaS_2$ 4—53065
Kato, K., Kawashima, I. All-electronic telephone set with one chip LSI. Realizing various telephone set styles 4—43840
Kato, K., Ono, T., Amemiya, Y. Electrical trimming of doped polysilicon resistors with application for D/A converters 4—47106
Kato, K. *see* Inoue, T. 4—50793
Kato, K. *see* Kuboki, S. 4—51499
Kato, K. *see* Matsuo, N. 4—43837
Kato, K. *see* Yasubayashi, M. 4—56955
Kato, M., Iimura, J., Arai, K., Hashimoto, S. Toward shaping the emerging communications processing systems 4—54037
Kato, M., Ishikawa, H., Yoshida, Y. Telephone network-packet network interworking system 4—38194
Kato, M. *see* Asano, S. 4—32410
Kato, M. *see* Ohmori, T. 4—38227
Kato, N., Yamane, Y., Matsuoka, Y., Moriya, S. Submicrometer gate fabrication using electron-beam direct writing 4—52286
Kato, O. *see* Hanazawa, T. 4—38407
Kato, S., Miyazawa, K., Oda, M., Ieyoshi, Y. A method for portable communication protocol program 4—54393
Kato, S., Ohtaka, M., Kobayashi, T. FM heterodyne measurement of range and velocity using a semiconductor laser 4—53124
Kato, S. *see* Saburi, Y. 4—44198
Kato, S. *see* Tatsuki, M. 4—58267
Kato, T., Ito, T., Taguchi, M., Nakamura, T., Ishikawa, H. Interfacial oxidation of Ta_2O_5-Si systems for high density D-RAM 4—30800
Kato, T., Iwamoto, K. Optimum pulse pattern of sinusoidal PWM inverter with filtering effect 4—40326
Kato, T. *see* Oishi, Y. 4—52815
Kato, T. *see* Okada, C. 4—48758
Kato, T. *see* Suzuki, M. 4—43258
Kato, T. *see* Wadaka, S. 4—52394
Kato, Y., Geib, K.M., Gann, R.G., Brusenback, P.R., Wilmsen, C.W. Thermal oxidation of GaP 4—41986
Kato, Y., Gonoi, K., Sato, M., Hashimoto, T., Wada, M., Kasahara, J., Arai, M., Watanabe, N. GaAs MSI with JFET DCFL 4—29825
Kato, Y., Kasahara, J., Wada, M., Taira, K., Dohsen, M., Arai, M., Gonoi, K., Sato, M., Hashimoto, T., Watanabe, N. A 4×4 bit parallel multiplier with GaAs JFET DCFL 4—41440
Kato, Y., Michikami, O. Nb-oxide-Pb Josephson tunnel junctions fabricated using CF_4 cleaning process. II 4—42292
Kato, Y., Seikai, S., Tanifuji, T. Arc-fusion splice of single-mode fiber cables 4—38626
Kato, Y., Takigawa, T., Yoshimi, M., Kawabuchi, K., Kirita, K. Accurate mark position detection in high voltage electron beam lithography 4—36375
Kato, Y. *see* Miyamichi, K. 4—50000
Kato, Y. *see* Takahashi, M. 4—62802
Kato, Y. *see* Takigawa, T. 4—42094
Kato, Y. *see* Toide, E. 4—52940
Kato, Y. *see* Yahagi, T. 4—32050, 4—32051
Katoh, C. *see* Kotaki, M. 4—31703, 4—31704
Katoh, K., Shimada, Y. Design of new structural high breakdown voltage V-MOSFET—static shield V-MOSFET 4—42052
Katoh, K., Shimada, Y. Design of high breakdown voltage V-MOSFET applying static shield effect 4—42155
Katoh, K. *see* Yoshino, T. 4—59964
Katoh, M. *see* Matano, M. 4—31199
Katoh, M. *see* Yoshikai, N. 4—38622
Katohgi, K. *see* Kobayashi, S. 4—61515
Katoo, Y. *see* Ogiue, K. 4—58323
Katopis, G., Tsichritzis, J. The delta-I noise-design rule of high-performance machine 4—29813
Katopis, G.A. Coupled noise predictor for clusters of thermal conduction module signal lines 4—31721
Kats, L.I., Somov, A.Yu. Impact ionization in *n*-type InSb in a two-millimeter microwave field 4—36275
Kats, Yu.A. Quantitative estimation of nuclear power plant technological safeguards 4—40001
Katsaggelos, A.K., Biemond, J., Mersereau, R.M., Schafer, R.W. An iterative method for restoring noisy blurred images 4—60169
Katsaggelos, A.K., Biemond, J., Mersereau, R.M., Schafer, R.W. An iterative method for restoring noisy blurred images 4—60250
Katsch, H.-M., Wiesemann, K. Plasma-surface interaction involved in H^- generation 4—61634
Katschan, W. *see* Philippow, E. 4—41147
Katsenelenbaum, B.Z., Korshunova, E.N., Pangonis, L.I., Sivov, A.N. Synthesis of a resonant antenna 4—37717
Katsman, G.L., Tsfasum, M.A., Vladut, S.G. Modular curves and codes with a polynomial construction 4—43102
Katsnel'son, A.Sh. *see* Mityashin, I.P. 4—50531
Katsueda, M., Miyazaki, T., Kagami, J., Nagata, M. Large scale thermal analysis of power integrated devices 4—40875
Katsueda, M. *see* Okabe, T. 4—52139
Katsuhiko, I *see* Bando, Y. 4—51726
Katsui, A., Hidaka, Y., Takagi, H. Growth of superconducting Ba(Pb, Bi)O_3 crystals 4—29467
Katsui, A. *see* Tohno, S. 4—30508
Katsuki, A., Harada, K. Surge analysis of the free-running transistor inverter 4—50973
Katsuki, K. *see* Hanita, A. 4—56934
Katsuki, K. *see* Mizukami, Y. 4—56561
Katsumata, A. *see* Nakagawa, H. 4—45114
Katsumata, T. *see* Terashima, K. 4—46205, 4—58004
Katsumata, Y., Yokoo, K., Mizuno, K., Suzuki, T., Ono, S., Tsukishima, T. Submillimeter wave Schottky-barrier diode with a buried Pt/GaAs-alloy anode 4—36547
Katsumata, Y. *see* Kukita, S. 4—42356
Katsumoto, N. *see* Nakanishi, M. 4—62855
Katsura, K. *see* Moriya, K. 4—59011
Katsurai, M. Problems of EH-EB analogies for the course in electromagnetism 4—53158
Katsuyama, H., Kikuchi, H. A new experimental realization of the lumen 4—39337
Katsuyama, K. *see* Mizuno, T. 4—60427

Katsuyama, T. *see* Timmons, M.L. 4—37246
Katsuyama, Y. *see* Matsumoto, M. 4—52603
Katsuyama, Y. *see* Mitsunaga, Y. 4—31123, 4—42354
Katter, O.E., Jr. *see* Egel, M.D. 4—38889
Katti, V.R. *see* Kosta, S.P. 4—54966
Katulin, V.A. Research on the development and application of technological lasers at the Physics Institute, AS USSR 4—59658
Katunin, B.D., Strakhov, L.P. Photo-EMF due to surface barriers in amorphous Se and As_2Se_3 films 4—46829
Katz, C. *see* Eager, G.S., Jr. 4—62193
Katz, E.R. Erase profiles of floppy disk heads 4—59142
Katz, I. Lifetime learning/teaching on the job—now the key to technological vitality for engineers 4—35195
Katz, J., Kapon, E., Lindsey, C., Margalit, S., Yariv, A. Coupling coefficient of gain-guided lasers 4—47447
Katz, J., Kapon, E., Margalit, S., Yariv, A. Rate equation analysis of phase-locked semiconductor laser arrays under steady state conditions 4—59533
Katz, J. *see* Kapon, E. 4—31463, 4—52949, 4—53002
Katz, J. *see* Kinman, P. 4—48460
Katz, J. *see* Robinson, D.L. 4—59917
Katz, J.L. *see* Grund, E.C. 4—32428
Katz, L.E. Oxidation 4—42010
Katz, R. Track formation in plastics 4—39460
Katz, R. Formation of etchable tracks in plastics 4—55856
Katz, R., Scacchi, W., Subrahmanyam, P. Environments for VLSI and software engineering 4—42109
Katz, R., Scacchi, W., Subrahmanyam, P. Development environments for VLSI and software engineering 4—50910
Katz, R. *see* Husbands, C.R. 4—44858
Katz, R.H. Tools for system level design, test and prototyping [of VLSI chips] 4—52257
Katz, S., Halperin, A., Ronen, M. Thermoluminescence from different growth sectors in synthetic quartz crystals 4—30852
Katz, S., Halperin, A., Schieber, M. Characterization of quartz crystals by cathodoluminescence 4—30853
Katz, S. *see* Bahl, L.R. 4—53546
Katz, S.M. *see* Fredericks, E.C. 4—51956
Katz, T. Protocol conversion 4—48183
Katzenelson, J. VLSI simulation and data abstractions 4—36763
Katzenelson, J. VLSI simulation and data abstractions 4—36795
Katzir, A., Simhony, S., Salzman, J., Schoenberg, A., Kapon, E. Infrared heterodyning using silver halide fibers 4—59231
Katzir, A., Vratny, F. Use of PVC for replicating submicron features for microelectronic devices 4—36722
Katzir, A. *see* Arieli, R. 4—37155
Katzir, A. *see* Kapon, E. 4—59208, 4—59506
Katzir, Y., Friesem, A.A., Glaser, I., Sharon, B. Automated holographic interferometry 4—39051
Katzir, Y. *see* Glaser, I. 4—43447
Katzir, Y. *see* Hardy, A. 4—37463
Katzmann, A. *see* Honekamp, H. 4—34371
Katzschner, L. *see* Harle, P. 4—60618
Kaufeld, J.C., Jr. Net 1000 system architecture overview 4—32448
Kauffels, F.J. More power to Personals with a local area network [computer application] 4—60470
Kauffman, R.L., Brown, T., Medecki, H. X-ray streak crystal spectrography 4—61737
Kaufhold, B. Network levels in a digital local message system 4—43801
Kaufhold, B. 140 Mbit/sec PCM regenerator for coaxial cables with automatic length compensation 4—54611
Kaufhold, B., Lange, J. Digital local message system with multiaccess and decentralised distribution for 2 Mbit/s—introduction 4—43798
Kaufhold, H. Development of a Duo-bus/trolley bus modular construction system 4—35002
Kaufman, C. *see* Pridham, R.G. 4—39114
Kaufman, C.H. Logic controlled P-T-T with toneburst 4—32693
Kaufman, D. Mechanism for correcting selected double errors using a single error correcting code 4—53387
Kaufman, D. *see* Brownell, G.L. 4—44716
Kaufman, D. *see* Burnham, C.A. 4—33815
Kaufman, G., Kocher, M. Fail-safe dynamic brake for three-phase induction machines 4—57045
Kaufman, H. *see* Pu, Z.Z. 4—60249
Kaufman, H.R., Robinson, R.S. Electric thruster performance for orbit raising and maneuvering 4—44893
Kaufman, L. Banded Eigenvalue solvers on vector machines 4—57972
Kaufman, R. New precedence features for the government user in the public switched network 4—38209
Kaufmann, H. *see* Buchmann, P. 4—31110
Kaufmann, P., Medioni, G., Nevatia, R. Visual inspection using linear features 4—58624
Kaufmann, P. *see* Bauerfeld, W.L. 4—43674
Kaumanns, R. *see* Schmitt, F. 4—52066
Kaune, W.T., Frazier, M.E., King, A.J., Samuel, J.E., Hungate, F.P., Causey, S.C. System for the exposure of cell suspensions to power-frequency electric fields 4—56207
Kaunov, A.D. *see* Budenkov, G.A. 4—35543
Kaunov, A.M. Formation of metallized layers under high pressures 4—29548
Kaus, G. *see* Hinkel, H. 4—41124
Kaushal, A. High power amplifier [for satellite ground stations] 4—38553
Kaushik, S.B. *see* Gulati, R. 4—58928
Kautz, R.L. *see* Niemeyer, J. 4—59160
Kauyl, P. A method for integrating narrowband TDMA into wideband TDMA networks 4—32782
Kavaler, R., Brodersen, R.W., Noll, T.G., Lowy, M., Murveit, H. A dynamic time warp IC for a one thousand word recognition system 4—53541
Kavaliauskas, A., Shilenas, A., Shimulyte, E. Temperature dependence of effective resistance of graded-gap $Al_xGa_{1-x}As$ 4—58734
Kavaliauskas, R. *see* Zibuc, J. 4—31220
Kavanagh, S.J., Balmain, K.G. Highrise building reradiation and detuning at MF 4—53212
Kavanaugh, M.F. Program calculates standard 5% RC values 4—58110
Kaveh, M. *see* Soumekh, M. 4—53922
Kaveh, M. *see* Wang, H. 4—53710
Kavehrad, M. Adaptive cross-polarization interference cancellation for dual-polarized M-QAM signals 4—32668
Kavehrad, M. Performance of cross-polarized M-ary QAM signals over nondispersive fading channels 4—37820
Kavenik, F. Designing a successful videoconference network 4—44307
Kaverina, I.G., Korobtsov, V.V., Zavodinskii, V.G., Zotov, A.V. Solid phase epitaxial growth anisotropy of vacuum-deposited amorphous silicon 4—41058
Kavitskii, S.B. *see* Nikitin, A.I. 4—32482
Kavkler, S. Electromechanical and mechanical elements—prospective development up to the year 2000 4—46662
Kavol, J. *see* Gont, M. 4—57252
Kawa, H., Wakabayashi, N. Linear DC servo motor for industrial equipment 4—62565
Kawabata, A. *see* Shiosaki, T. 4—52331
Kawabata, K. *see* Ueno, M. 4—37764
Kawabata, T. Traffic control system and optical communication network 4—48467
Kawabata, T., Makino, S., Kido, K. 4-layer model of consonant recognition using phonemic features 4—31927
Kawabata, T., Matsuda, T., Murata, H., Koike, S. High-brightness GaP pure green light-emitting diodes 4—31254
Kawabata, T. *see* Asaeda, T. 4—57185
Kawabe, D. *see* Kim, D.I. 4—51516
Kawabe, H. *see* Yasutake, K. 4—41821
Kawabe, K. *see* Watanabe, H. 4—38401
Kawabe, M., Matsuura, N. Preferential desorption of Ga from $Al_xGa_{1-x}As$ grown by molecular beam epitaxy 4—50753
Kawabe, U. *see* Hatano, Y. 4—42288
Kawabuchi, K. *see* Kato, Y. 4—36375
Kawabuchi, K. *see* Takigawa, T. 4—42094
Kawachi, M., Kobayashi, M. Fiber-optic polarizing directional coupler 4—37127
Kawachi, M., Yasu, M., Kobayashi, M. Flame hydrolysis deposition of SiO_2-TiO_2 glass planar optical waveguides on silicon 4—31101
Kawachi, M. *see* Hirahara, K. 4—52824
Kawachi, M. *see* Okamoto, K. 4—42343
Kawachi, M. *see* Tomaru, S. 4—47268
Kawachi, M. *see* Yamada, Y. 4—31166, 4—48473
Kawade, T. *see* Kawanishi, H. 4—54167
Kawagoe, K. *see* Doke, T. 4—55963
Kawaguchi, H. *see* Otsuka, K. 4—42511, 4—59557
Kawaguchi, N. *see* Saburi, Y. 4—44198
Kawaguchi, T., Adachi, H., Setsune, K., Yamazaki, O., Wasa, K. PLZT thin-film waveguides 4—52542
Kawaguchi, T., Higashino, H., Manabe, Y., Adachi, H., Setsune, K., Yamazaki, O. Optical circuit device using PLZT thin film waveguides 4—31169
Kawaguchi, T. *see* Tomita, M. 4—60627
Kawaguchi, Y., Kawaji, S. Negative and positive magnetoresistance in Cs adsorbed Si(111) n-inversion layers 4—51764
Kawaguchi, Y. *see* Matsuoka, T. 4—31374
Kawaguchi-Izawa, K., Wang, S. The algebraic structure of the four-corner codes and a method for the input of Chinese characters 4—59946
Kawahara, K., Uehara, M. A possibility for developing high strength soft magnetic materials in FeCo-X alloys 4—52450
Kawahara, M., Ohtsuka, K. An optical line tracer using a light sectioning type visual sensor for arc welding 4—57626
Kawahata, M. Hi-OVIS—present and future, as frontier of new media 4—48603
Kawai, H. Role of LAN-technology in office automation 4—60543
Kawai, H. *see* Fujimoto, K. 4—40457
Kawai, H. *see* Hase, I. 4—41867
Kawai, H. *see* Yasumi, S. 4—33728, 4—33784
Kawai, K. *see* Kobayashi, H. 4—47741
Kawai, S., Kodama, T., Nasu, Y., Yanagisawa, S., Asama, K. A self-alignment processed a-Si:H TFT matrix circuit for LCD panels 4—55602
Kawai, S. *see* Inage, H. 4—62754
Kawai, T. *see* Kikuchi, K. 4—42628
Kawai, Y. *see* Imanaka, K. 4—42613, 4—52952
Kawaji, S., Wakabayashi, J., Yoshino, J., Sakaki, H. Activation energies of the 1/3 and 2/3 fractional quantum Hall effect in $GaAs/Al_xGa_{1-x}As$ heterostructures 4—46849
Kawaji, S. *see* Kawaguchi, Y. 4—51764
Kawajiri, N. *see* Saburi, Y. 4—44198
Kawakami, A., Matsuda, T., Takahashi, S. A synthesis method for the wide-band variable equalizers 4—46288
Kawakami, A., Takahashi, S. A synthesis method for the variable equalizers containing two kinds of variable parameters 4—41518
Kawakami, A., Takahashi, S. A method for synthesizing transfer functions containing several variable parameters 4—46565
Kawakami, H. Bifurcation of periodic responses in forced dynamic nonlinear circuits: computation of bifurcation values of the system parameters 4—41175
Kawakami, H. The current characteristics and the future development of CCDs 4—59022
Kawakami, H., Sato, G. Moment method analysis and experimental results of modified batwing antennas for broadband receiving 4—59853
Kawakami, S. *see* Krishnasawamy, M.R. 4—33735
Kawakami, S. *see* Miyagi, M. 4—42361, 4—42907
Kawakami, S. *see* Shiraishi, K. 4—37179
Kawakami, T. Automatic microwave attenuation measurement using double phase modulation 4—55651
Kawakami, T., Amemiya, Y. Schottky barrier diode optimization for a low voltage power converter 4—52063
Kawakami, T. *see* Nitta, J. 4—31072
Kawakita, K. *see* Takemoto, T. 4—36809
Kawakubo, S. *see* Akahoshi, H. 4—58625
Kawakubo, T., Sakai, I., Suetake, M., Sasaki, H. First test experiment of H^-charge-exhange injection in the KEK booster 4—61666
Kawamata, T., Inoue, K., Kittaka, M. Study for wear resistance and abrasivity of magnetic recording tape 4—42262
Kawamata, T., Mizoh, Y., Ushigome, H., Hagiwara, H. Abrasivity effect of magnetic recording tape on rubbing noise 4—31020
Kawamoto, G. *see* Yamaguchi, T. 4—30783
Kawamoto, G.H. *see* Yamaguchi, T. 4—30764, 4—36829, 4—36877
Kawamoto, H. Distributions of potential and electrochemical reaction rate in molten polysulphide electrodes of sodium-sulfur batteries 4—34832
Kawamoto, H. Triple hybrid primary power supply system 4—56893
Kawamoto, H., Yamaguchi, Y., Shimizu, S., Ohishi, K., Tanimura, N., Vasui, T. A 288 Kb CMOS pseudo SRAM 4—51246
Kawamoto, H., Yamazaki, S., Ishikawa, A., Buchanan, R. Effects of secondary electron detector position on scanning electron microscope image 4—51728
Kawamoto, H. *see* Yamaguchi, Y. 4—58321
Kawamoto, H. *see* Yamazaki, S. 4—51729
Kawamoto, K. *see* Sugiyama, H. 4—55217
Kawamoto, Y. *see* Kure, T. 4—36749
Kawamoto, Y. *see* Sunami, H. 4—47133
Kawamoto, Y. *see* Wada, Y. 4—36864
Kawamura, A., Hoft, R.G. Analysis of PWM inverter with instantaneous feedback control 4—57147
Kawamura, A., Hoft, R.G. Instantaneous feedback controlled PWM inverter with adaptive hysteresis 4—57227
Kawamura, A. *see* Yamamura, S. 4—57007
Kawamura, H. *see* Futakawa, A. 4—35566
Kawamura, H. *see* Matsumura, K. 4—46602
Kawamura, K. *see* Taniguchi, H. 4—40127
Kawamura, M. *see* Okabayashi, I. 4—52919
Kawamura, S., Sasaki, N., Iwai, T., Mukai, R., Nakano, M., Takagi, M. 3-dimensional SOI/CMOS IC's fabricated by beam recrystallization 4—36869
Kawamura, S., Sasaki, N., Iwai, T., Mukai, R., Nakano, M., Takagi, M. Electrical characteristics of three-dimensional SOI/CMOS ICs 4—52299
Kawamura, S., Sasaki, N., Nakano, M., Takagi, M. Laser recrystallization of Si over SiO_2 with a heat-sink structure 4—29507
Kawamura, S. *see* Mukai, R. 4—36868, 4—41813
Kawamura, T., Hashimoto, Y., Ogino, O., Satow, T., Maruyama, Y. Superconducting-magnet technology 4—59175
Kawamura, T. *see* Inatsu, M. 4—61044
Kawamura, T. *see* Ishii, M. 4—45146
Kawamura, T. *see* Kinoshita, S. 4—44353
Kawamura, T. *see* Maruyama, N. 4—34959
Kawamura, T. *see* Matsumoto, T. 4—30827
Kawamura, Y., Asahi, H. Molecular beam epitaxial growth of InGaP/InAlP quantum well structures for the visible wavelength region 4—50749

Kawamura, Y., Asahi, H., Wakita, K. InGaAs/InGaAlAs/InAlAs/InP SCH-MQW laser diodes grown by molecular-beam epitaxy 4—42629

Kawamura, Y., Minami, M., Matsushita, Y., Haga, K., Nomura, N. Class H insulation system for railway traction motor 4—30872

Kawana, T., Tsuzuki, A., Sugiura, A., Tokushige, K., Yamanaka, Y. An omnidirectional antenna for measuring power density of radio waves radiated in urban districts 4—44577

Kawanabe, N., Matsuo, S. Clinical laboratory terminal CLINIACE II 4—32523

Kawanaka, H. *see* Miyabe, H. 4—54040

Kawanami, H., Nagai, K., Sakamoto, T., Hayashi, Y., Suzuki, E. Basic technology for optical I/O Si IC 4—59258

Kawanami, M. *see* Sueyoshi, T. 4—30946

Kawanishi, H., Aota, T., Iwakami, T. Room-temperature pulsed operation of $Ga_xIn_{1-x}As_yP_{1-y}/Ga_xIn_{1-x}As_yP_{1-y}$ DH visible injection laser grown on (100) GaAs by a two-phase solution technique 4—31377

Kawanishi, H., Kato, H., Nighiguchi, N. LSI layout verification system using circuit simulation programs 4—36731

Kawanishi, H., Koyano, H., Sakai, Y., Kawade, T. Digital facsimile signal conversion and procedure control equipment 4—54167

Kawanishi, H. *see* Kato, H. 4—58293

Kawanishi, H. *see* Kishimoto, A. 4—36776

Kawanishi, H. *see* Mukawa, N. 4—53408

Kawanishi, H. *see* Yabe, S. 4—36760

Kawanishi, S. *see* Egusa, S. 4—36953

Kawanishi, T. *see* Yamada, H. 4—62676

Kawano, J. Supervisory Control and Data Acquisition (SCADA) system for Thailand 4—49527

Kawano, K. *see* Nakashima, T. 4—57818

Kawano, N. *see* Nakamae, E. 4—31550

Kawano, N. *see* Saburi, Y. 4—44198

Kawano, N. *see* Yamashita, H. 4—34713

Kawano, Y. Yamaguchi satellite communication station L-band and 14/11 GHz band IOT equipment 4—44029

Kawaoka, T., Fujinami, S., Kajiwara, T. DCNA-extensions and future perspective 4—54383

Kawaoka, T. *see* Takahashi, Y. 4—32097

Kawarada, H., Honishi, T. Word recognition method based on subsequence of phonemes 4—31926

Kawarada, K., Hayashi, T., Inabe, Y., Imagawa, H. High voltage subscriber line interface LSIs 4—38403

Kawarada, Y. *see* Akiyama, M. 4—50829

Kawasaki, M. Videotex service in Japan. CAPTAIN system 4—32321

Kawasaki, S. *see* Miyahara, A. 4—34324

Kawasaki, S. *see* Moriyama, S.-i. 4—37080

Kawasaki, S. *see* Sugai, M. 4—58387

Kawasaki, T., Yahata, H., Honda, S., Sugiyama, F., Nakamura, M. A 4800 b.p.s. full-duplex communication system for combined voice and facsimile data 4—32296

Kawasaki, Y. *see* Arakawa, Y. 4—56252

Kawase, M., Shinohara, H., Nihei, F., Takamasa, T. Optical subscriber cable design and performance 4—42355

Kawase, M. *see* Shinohara, H. 4—42357, 4—48490

Kawase, S. *see* Usagawa, T. 4—50797

Kawase, S. *see* Yamamoto, S. 4—36177

Kawase, Y., Tedjojuwono, K., Asakura, T. Effect of particle size on the photodetector signal of differential-type laser Doppler velocimetry 4—39321

Kawase, Y. *see* Nakata, T. 4—42279

Kawase, Y. *see* Okano, K. 4—33628

Kawase, Y. *see* Tedjojuwono, K. 4—47536, 4—59652

Kawashima, I. *see* Kato, K. 4—43840

Kawashima, K. An analysis of input regulation model with continuous monitoring 4—32099

Kawashima, K. Efficient numerical solutions for a unified trunk reservation system with two classes 4—38191

Kawashima, K. Electromagnetic ultrasonic transducers and applications 4—49486

Kawashima, K., Nojo, S. Some properties and numerical method for state equations in teletraffic theory 4—43566

Kawashima, K. *see* Fujiki, M. 4—38190

Kawashima, M. R&D project on future electron devices in Japan 4—42136

Kawashima, M., Kikuchi, K., Nakazawa, Y. Synchronous equipments for digital local network 4—38383

Kawashima, M. *see* Awano, Y. 4—36059

Kawashima, N. *see* Mase, K. 4—32087, 4—53976

Kawashima, S., Eguchi, K., Noguchi, T., Ouchi, H. Applications of dielectric ceramics for microwave devices 4—51526

Kawashima, T., Sumiyoshi, F., Irie, F., Yamafuji, K. Losses in a multifilamentary superconducting wire caused by a simultaneous sweep of current and magnetic field 4—42284

Kawashima, Y. *see* Nakamura, I. 4—61711

Kawashiro, S., Suzuki, S., Suemitsu, T., Niriki, T. Fabrication of master-slice LSIs using electron-beam direct writing and photolithography 4—47124

Kawasumi, T. *see* Doi, K. 4—57563

Kawata, O., Hoshino, K., Ishihara, K. Core-axis-alignment method to achieve ultralow-loss fusion splicing for single-mode optical fibers 4—42382

Kawata, O., Hoshino, K., Miyajima, Y., Ohnishi, M., Ishihara, K. Axis misalignment and splice loss estimation of single-mode optical fiber splicing using direct core monitoring 4—42397

Kawata, O., Murakami, Y., Yamashita, K. Designing elongation measurement apparatus for long optical fiber 4—38637

Kawata, O., Yoshizawa, N., Miyajima, Y. Residual elongation of submarine optical cable laid on sea bottom 4—38638

Kawata, O. *see* Furukawa, S. 4—38634

Kawata, O. *see* Kojima, N. 4—44092

Kawata, O. *see* Ohnishi, M. 4—59252

Kawata, S. *see* Mizuta, M. 4—46238

Kawata, Y. *see* Notomi, S. 4—56537

Kawatsu, T. *see* Counji, T. 4—30909

Kawauchi, K. *see* Kyoto, M. 4—52617

Kawayoshi, H. *see* Richmond, E.D. 4—41048

Kawazoe, Y. Image restoration by adaptive filter-smoother using generalized likelihood ratio test 4—47917

Kawazu, M. *see* Tsuda, H. 4—45115

Kawazumi, Y. *see* Kobayashi, M. 4—44030

Kawecki, A. Expected wave attenuation caused by the rain in radio link routes in the territory of Poland 4—42860

Kawecki, W., Oleksiuk, W. Kinematic accuracy of the rolling-ring drive of the Uhing's transmission 4—45684

Kaxakos, D. *see* Tsaknakis, H. 4—43372

Kay, A., Oldland, C. Timing evaluation of logic designs 4—29827

Kay, L. Electronic aids for blind persons: an interdisciplinary subject 4—61819

Kay, S. Accurate frequency estimation at low signal to noise ratios 4—37971

Kay, S.M. Accurate frequency estimation at low signal-to-noise ratio 4—47845

Kay, S.M., Lemay, G.J. Edge detection using the linear model 4—60269

Kay, S.M., Scharf, L.L. Invariant detection of transient ARMA signals with unknown initial conditions 4—60119

Kay, S.S. How to choose electronic mail 4—54142

Kaya, H. *see* Imura, T. 4—29515

Kayanuma, A. *see* Oh-uchi, N. 4—36810

Kaye, M. *see* Michaeli, A. 4—47646

Kaye, R.J., Wu, F.F. Analysis of linearized decoupled power flow approximations for steady-state security assessment 4—56476

Kaynak, O. Comments on 'Microprocessor-based design of a firing circuit for three-phase full-wave thyristor dual converter' by P.-C. Tang, et al 4—49946

Kaynak, O., Abbaszadeh, A.D., Nazlibilek, S. Digital speed control system with integral-proportional control 4—57409

Kaynak, O., Oncu, O. A simulation method for a chopper-fed DC motor 4—34689

Kayran, A.H., Parker, S.R., Klich, D.J. Two-dimensional spectral estimation with autoregressive lattice parameters 4—53682

Kayran, A.H. *see* Parker, S.R. 4—37997

Kayser, W., Hegner, W., Kramer, H., Neimeyer, W. The US-1000 computer-controlled, mechanized ultrasonic test system 4—58105

Kazachkov, I.V., Kolesnichenko, A.F. Disintegration of a liquid-metal film under the action of an electromagnetic field 4—53140

Kazakevich, L.A., Lugakov, P.F., Filippov, I.M. The effect of dislocations on the charge-carrier recombination processes in irradiated silicon 4—36255

Kazakevich, V.S. *see* Basov, N.G. 4—37307

Kazakos, D. *see* Merakos, L. 4—32129

Kazakov, B.V., Rysin, A.A. Input circuits of TV displays with flat screen 4—38814

Kazakov, V.A., Shumov, A.P. Noise-resistance of electro-optical system with screen providing pulse-width modulation and pulse-time modulation 4—48752

Kazakov, V.G., Kukushkin, V.A., Ryzhov, V.A. Error calculation of membrane-capacitive manometers with electrostatic self-balancing 4—33535

Kazakova, L.P. *see* Bordovsky, G.A. 4—30360

Kazama, N.S. *see* Fujimori, H. 4—36998

Kazandzhan, N.N. *see* Genis, E.A. 4—51531

Kazanskaya, O.A. *see* Gaidukova, V.S. 4—30377

Kazanskii, A.G., Milichevich, E.P. Transient photoconductivity of amorphous hydrogenated silicon 4—47332

Kazanskii, P.G. *see* Bozhevol'nyi, S.I. 4—37143

Kazanskii, P.G. *see* Buritskii, K.S. 4—37172

Kazanskii, V.E. *see* Artsishevskii, Ya.L. 4—39940

Kazanskii, V.M., Sabinin, Yu.A., Malinin, L.I., Petrov, B.A. Analysis of requirements on DC electromechanical modules for industrial robots 4—40263

Kazantsev, A.V. *see* Ivanchura, V.I. 4—34815

Kazantsev, S.A., Margolin, L.Ya, Polynovskaya, N.Ya., Pyatnitskii, L.N., Rys, A.G., Edelman, S.A. Possibilities of plasm polarization spectroscopy 4—47537

Kazantsev, V.N., Berdin, A.S., Mukhachev, A.I., Shamanov, A.P. Power loss determination in closed power system networks in conditions of incomplete information 4—39783

Kazantsev, Yu.M. *see* Ivanchura, V.I. 4—34815

Kazarinov, R.F. *see* Henry, C.H. 4—52975

Kazaryan, E.M. *see* Avetisyan, S.K. 4—31487

Kazaryan, G.Kh., Piliposyan, S.E. Calculation of the load characteristics of detectors, taking into account the time structure of pulsed particle sources 4—61697

Kazda, L.F. *see* Elhussein, A.E. 4—62098

Kazdaghli, A., Piriou, F., Razek, A. Numerical model for variable high-speed selfcontrolled drive systems 4—57398

Kazemi-Dehkordi, M.A. Necessary conditions for optimality of singular controls 4—50694

Kazemi-Dehkordi, M.A. Necessary conditions for optimality of singular controls in systems governed by partial differential equations 4—50695

Kazhidub, A.V. *see* Abil'siitov, G.A. 4—59389

Kazi, A.M. *see* Giuliani, S.W. 4—51217

Kazikaeva, N.G. Determining the power of an asynchronous motor with short-circuited rotor, working under conditions of speed control 4—62726

Kazimierczuk, M. Charge-control analysis of class E tuned power amplifier with only one inductor and one capacitor in load network 4—35650

Kazimierczuk, M. Accurate measurement of lifetime of excess base stored charge at high collector currents 4—36550

Kazimierczuk, M. Collector amplitude modulation of the class E tuned power amplifier 4—46357

Kazimirov, A.Yu. *see* Borisenko, A.Yu. 4—31226

Kazmerski, L.L., Ahrenkiel, R.K., Matson, R.J., Massopust, T.P., Dick, J.R., Osterwald, C.R., Ireland, P.J., Jones, K.M. Properties of interfaces in (CdZn)S/CuInSe$_2$ heterojunctions 4—50046

Kazmerski, L.L. *see* Fan, J.C.C. 4—41814

Kazmerski, L.L. *see* Matson, R.J. 4—36334

Kazmierkowski, M.P., Kopcke, H.-J. Comparison of dynamic behaviour of frequency converter fed induction machine drives 4—50136

Kazmierkowski, M.P., Kopcke, H.-J A simple control system for current source inverter-fed induction motor drives 4—57423

Kazmierski, K., Huber, A.M., Morillot, G., de Cremoux, B. The temperature-dependent diffusion mechanism of Zn in InP using the semi-closed diffusion method 4—41955

Kaznacheev, B.A. Optimum dimensions of power solenoids for magnetic levitation 4—37549

Kazovskii, E.Ya. *see* Antonov, Yu.F. 4—34754

Kazovsky, L. Adaptive suppression of impulse noise 4—31956

Kazovsky, L., Zayezdny, A., Wulich, D., Plotkin, E. Multiprocessor receivers 4—37947

Kazovsky, L. *see* Turgeman, E. 4—37946

Kazui, K. *see* Fong, K.K.T. 4—54664

Kazumi, M. *see* Matsumoto, S. 4—55010

Kazumura, M. *see* Ohta, I. 4—36584, 4—42073

Kazuno, H., Kiyohiro, N., Kidono, M. Vector controlled 3-phase induction motor controlled by a microprocessor 4—56996

Kazuno, T. *see* Nishinaga, T. 4—30329

Ke Shi *see* Shi Ke

Ke Sun *see* Sun Ke

Ke-tsien Zhang *see* Zhang Ke-tsien

Ke-xiang Lin *see* Lin Ke-xiang

Keach, D.L., Busch, W.S. The National Undersea Research Program 4—61966

Keane, L.M. Direct broadcast satellite service by Satellite Television Corporation 4—38775

Kearney, D.W., Davis, R.B., Kostrzewa, L., Davidson, K. A comparison of solar/gas industrial process heat and cogeneration systems 4—40138

Kearney, M.A. *see* Boyle, W.B. 4—29228

Kearsey, B.N., Mclintock, R.W. Jitter in digital telecommunication networks 4—60323

Kearsey, B.N. *see* McLintock, R.W. 4—60321

Keating, K. *see* Hirst, E. 4—49513

Keats, A.B. Fail-safe design criteria for computer-based reactor protection systems 4—34364

Keavney, C.J., Smith, H.I. A 3.8 μm period sawtooth grating in InP by anisotropic etching 4—30544

Keavney, C.J., Spitzer, M.B. Solar cell junction profiles in ion-implanted texture-etched surfaces 4—57353

Keavney, C.J. *see* Spitzer, M.B. 4—45629

Kebadze, B.V. *see* Arnol'dov, M.N. 4—33527

Kebang Zhang *see* Zhang Kebang

Kececioglu, D., Jacks, J.A. The Arrhenius, Eyring, inverse power law and combination models in accelerated life testing 4—35331

Kecheng Lu *see* Lu Kecheng

Keck, L., Jr. *see* Herholtz, S.W. 4—62106

Keck, M.E. The mitigation of disability glare in roadway lighting 4—57532

Keck, W. *see* Konig, U. 4—29488

Kecskes, F. Subjective test of electroacoustic instruments 4—44387
Kedem, G., Watanabe, H. Graph-optimization techniques for IC layout and compaction 4—30669
Kedous, A. *see* Brugel, L. 4—44595
Kedzia, J., Brozostek, E. Static electrification in transformer oil as a measure of its aging 4—42197
Kedzia, J., Brzostek, E. Effect of a short duration thermal stress on electrostatic properties of transformer oil 4—57130
Kee, R.J. *see* Coltrin, M.E. 4—29529
Kee Chung Who *see* Who Kee Chung
Keeler, D.G. *see* Bellis, R.F. 4—34222
Keeler, R. Manufacturing process control comes of age 4—30183
Keeler, R. Etching and waste treatment trends promise a bright future 4—30186
Keeler, R. Fresh approaches shake up PC chemicals 4—30200
Keeler, R. Silicone rubber membrane switches offer full-travel and low cost 4—58589
Keeler, R. *see* Astbury, A. 4—33756
Keely, W.A. Knowledge of documentation eases military design tasks 4—57799
Keen, C.E. Slow-scan TV finds growing acceptance in communications 4—61099
Keen, G.H.D. A commercial application for HVDC traceable measurements [DC power transmission] 4—34243
Keen, K.M. Feeder errors cause antenna circular polarization deterioration 4—53276
Keenan, A., Newton, T.J. The training of engineers: undergraduates' preferences and subsequent experiences in employment 4—50360
Keenan, J.P., Jr. *see* Burton, B.A. 4—49366
Keenan, T.P. *see* Barker, K.E. 4—54416
Keenan, W.F. *see* McGrath, R.D. 4—39082
Keener, K.M. *see* Lim, H.S. 4—40409
Keersmaecker, R.F.De *see* De Keersmaecker, R.F.
Kegaya, K.I. Developments in medical care 4—49172
Kegel, K. Electric space heating systems 4—40618
Kegel, K. Modems 4—54482
Kegel, R. *see* Rosenberger, R. 4—46313
Kegel, W. The use of PCM 30 system by Deutsche ReichsbahnV. Power feed to circuit section 4—60398
Keh Kun Choi *see* Hoon Kang 4—47857
Keher, J. Problems of nuclear power plant construction 4—45227
Kehhoe, E.J. Robots and lasers: a perfect match 4—62846
Kehinde, L.O., Buraimoh-Igbo, L.A., Ude, O.U., Maganjuola, R.O. Electronic rotameter for quantitative evaluation of rotational behaviour in rats after unilateral lesions of the nigrostriatal dopamine system 4—44702
Kehler, H. Design and control of electrical apparatus and equipment as a basis of safe operation 4—50459
Kehler, T.P. *see* Wong, C.M. 4—33767
Kehrle, A. *see* Surbrook, T. 4—62182
Kehtari, F. The family of commutation modes of converters 4—57199
Keida, D. *see* Brown, K. 4—55814
Keiding, H. Heights of simple games 4—46093
Keij, J., Kimstra, K. A total energy system running on heavy fuel oil 4—34455
Keijser, Th.H.de *see* de Keijser, Th.H.
Keil, R., Klement, E., Mathyssek, K., Wittmann, J. Experimental investigation of the beam spot size radius in single-mode fibre tapers 4—52554
Keil, S.G. *see* Fleischer, C.C. 4—34353
Keim, H. *see* Engler, J. 4—55832
Keiner, W.L. Joint service electronic design for testability course 4—29172
Keiner, W.L. Testability analysis 4—45950
Keiner, W.L., Coppola, A., Drummond, R.R. Service initiatives in testability 4—45963
Keinert, J., Klein, W., Klink, E., Wernicke, F.C. Phase splitter with wide operational margin 4—58485
Keinert, J., Klink, E., Najmann, W., Wernicke, F.C. Single-cell identification system for VLSI arrays 4—30690
Keinz, J.R. Electric motor efficiency: be sure to compare apples with apples 4—45385
Keith, D.L. *see* Barbee, T.W., Jr. 4—29530
Keith, M.W. *see* Riso, R.R. 4—56142
Keith, T.G. *see* Kroos, K.A. 4—55762
Kekela, J *see* Pang, C.K. 4—49824
Kelber, J., Schnittler, C., Paasch, G. The completeness relation and the local density approximation for layer structures in microelectronics 4—30700
Kel'bert, M.Ya., Sukhov, Yu.M. Existence and uniqueness conditions for a random field describing the state of a switching network 4—60284
Kelcher, R.W The Serck standard total energy unit uses Land Rover engine 4—34377
Kelder, H. *see* Spoelstra, T.A.T. 4—47620
Kelem, S. *see* Cuykendall, R. 4—42108, 4—52246
Kelemen, A., Crivii, M., Trifa, V. Model and analysis of a 3-phase hybrid asynchronous stepper motor 4—34695
Kelemen, A., Imecs, M. Digital simulation of the field orientation system of a frequency changer asynchronous motor 4—34647
Kelemen, A., Imecs, M. Incremental motion control system with asynchronous motor 4—50018
Kelemen, L., Koblencz, J. Possibilities for reduction of the external noise of rail tractors 4—39372
Kelin Wu *see* Wu Kelin
Kelkar, S.S., Lee, F.C.Y. Adaptive input filter compensation for switching regulators 4—29651
Kelkar, S.S., Lee, F.C.Y. Stability analysis of a buck regulator employing input filter compensation 4—29652
Kelleher, J. *see* Garrett, J.F. 4—37633
Kelleher, K.H., Kulkarni, M.V. Measuring oxide thickness on silicon wafers 4—61532
Kelleher, P.G. *see* Feder, D.O. 4—57335
Kelleher, P.J. *see* Miliaras, E.S. 4—49758
Kellenberger, P. Is measurement without earth connection the safe method of measurement? 4—39958
Kellenberger, W. A new design which reduces the thermal stresses and the foundation loads in vertical hydroelectric generators 4—45351
Keller, A. A switchable hybrid operational amplifier facilitates new solutions 4—35639
Keller, E.M. *see* Green, M.A. 4—45649, 4—50044
Keller, G. *see* Buhn, U. 4—44383
Keller, H., Cima, D. Achieving high reliability in passive infrared intruder alarms with lithium tantalate pyroelectric detectors 4—55466
Keller, H. *see* Bux, W. 4—48250
Keller, H. *see* Meyr, H. 4—32436
Keller, H.J. Advanced pyroelectric sensors for passive infrared intruder alarms 4—33323
Keller, J. *see* Edwards, M. 4—49294
Keller, N.A., Chapman, K.E. Germanium gamma-ray spectrometer selection for tightly collimated geometries 4—61726
Keller, N.A. *see* Lupton, L.R. 4—33807
Keller, P.N. *see* Franck, J.B. 4—53123
Keller, W.W. Pressure dependence of oxygen-related defect levels in silicon 4—41817
Kellermayr, K.H. Performance simulation of an optical bus local area network 4—54419
Kellermeier, H., Roth, M., Schneider, K. The retractable ultra-lightweight (ULP) solar array for retrievable space platforms 4—33947
Kelley, A.W., Wilson, T.G., Owen, H.A., Jr. Analysis of the two-coil model of the ferroresonant transformer with a rectified output in the lowline heavy-load minimum-frequency condition 4—57138
Kelley, E.F., Hebner, R.E. Measurement of the electric-field in the vicinity of an oil-pressboard interface parallel to the field 4—30870
Kelley, J. *see* Dougherty, H. 4—44827
Kelley, L. *see* Clearwaters, W. 4—61954
Kelley, R.B. Binary and gray scale robot vision 4—52788
Kelley, R.R. Tying it all together [supermarket DP network] 4—54504
Kelley, T.M. Leased services on the INTELSAT system. I. Domestic service and international television 4—60749
Kelley, W.R. *see* Dopazo, J.F. 4—49547
Kelliher, E.M., Rose, T.L. A simple method of shaping titanium microelectrodes 4—49107
Kellman, P. *see* Elston, G. 4—52737
Kellogg, E.M. *see* Dunn, G. 4—51926
Kellogg, R.B. *see* Berger, A.E. 4—46195
Kelly, A.J. Low charge density electrostatic atomization 4—47557
Kelly, A.J. The electrostatic atomization of hydrocarbons [fuel atomizers] 4—59721
Kelly, D.H. *see* Koval, D.O. 4—62216
Kelly, D.H. *see* Mansour, S.Y. 4—34133, 4—62088, 4—62090
Kelly, G.J. *see* Wohlgemuth, J.H. 4—40468
Kelly, G.L., Jiang, D.P. A topology for computer networks with good survivability characteristics and low transmission delays between node computers 4—48200
Kelly, J. User benefits and needs [telecommunications] 4—43535
Kelly, M. Intelligent terminals: data processing challengers 4—38317
Kelly, M.J., Schmitt, W.J. A forecast of future digital ATE characteristics 4—44424
Kelly, M.J. *see* Lee, K.L. 4—30480
Kelly, M.J. *see* Todd, A.G. 4—46980
Kelly, M.J. *see* Wickenden, D.K. 4—46871
Kelly, M.K. *see* Turowski, M. 4—40430
Kelly, P.L., Algazi, V.R. Two step color shrinking algorithm for encoding of graphics 4—60262
Kelly, P.T.F., Sands, M.J An introduction to data communications 4—60318
Kelly, R. *see* Harper, J.M.E. 4—41084
Kelly, R.J. System considerations for the new DME/P international standard 4—32870
Kelly, T.M. *see* Lee, T.H. 4—37230
Kelly, W.J., Jr. *see* Omidyar, C.G. 4—43810
Kelman, A. Videotex copyright and information technology 4—48121
Kelman, B.I. A distributed workstation architecture: the Convergent Cluster 4—48184
Kel'man, V.A. *see* Fuchko, V.Yu. 4—53036
Kelnar, O., Korcova, I., Sklenicka, V. Spraying the line equipment in a 400 kV transformer station at Hradec near Kadan 4—57113
Kelner, G. *see* Boos, J.B. 4—52119
Kelner, S.C. *see* Boos, J.B. 4—36061
Kelsall, A.C. *see* Potts, R.W. 4—34028
Kelsey, T., Besford, S.J. The use of modern reclosures and sectionalisers in rural distribution networks 4—34802
Kelson, F.Y. Helicoids [whip antenna design] 4—37761
Kelty, J.R. Monitoring a physics experiment with the PET microcomputer 4—61233
Kemenade, J.T.C.van *see* van Kemenade, J.T.C.
Kemeny, T. Sensors 4—48872
Kemin Zhang *see* Zhang Kemin
Keming Chen *see* Chen Keming
Keming Yu *see* Yu Keming
Kemlage, B.M. *see* Culican, E.F. 4—46640
Kemlage, B.M. *see* Fabricius, K.A. 4—36807
Kemling, W. *see* Schumacher, K. 4—54836
Kemmer, J., Hofmann, R., Lutz, G. High spatial resolution silicon detectors 4—33652
Kemmer, J. *see* Burger, P. 4—33711
Kemmerer, C.T. *see* Ong, E. 4—36668
Kemp, A.J. Evaluation of translinear logic 4—41284
Kemp, D.A. *see* Curlett, P.L. 4—49778
Kemp, G. Multi-octave microwave couplers 4—36029
Kemp, I. Stage lighting system 4—62808
Kemp, I.J. *see* Shields, A.J. 4—59104
Kempe, V., Lange, W. Information technology and society 4—32149
Kempers, E. Avoid pitfalls in economics of boiler feed pump variable speed 4—45686
Kempf, D. Silica liners extend life of diffusion tubes 4—46923
Kempf, J. *see* Bayer, T. 4—55677
Kempf, J. *see* Elsner, G. 4—30534, 4—31003, 4—50774
Kempf, J. *see* Hinkel, H. 4—41124
Kenawy, M.A., El-Fiki, M.A., Eissa, H.M., Sharaf, M.A., Gomma, M.A. Electro-chemical etching in polycarbonate neutron track detectors 4—55964
Kenawy, M.A. *see* El-Fiki, M.A. 4—55965, 4—55966
Kendall, D.L. The multiple use substrate for ultra high density VLSI 4—36801
Kendall, E.W. *see* Blissett, J.A. 4—61710
Kendall, J. *see* Liblong, B. 4—52243
Kendelewicz, T., Petro, W.G., Lindau, I., Spicer, W.E. Chemical reactions at the noble and near-noble metal/InP interfaces: comparison to Si and GaAs 4—41887
Kendelewicz, T. *see* Babalola, I.A. 4—51876
Kendelewicz, T. *see* Williams, M.D. 4—58799
Kenderessy, M. Automatic impedance meter in the microwave range with slotted line 4—48992
Kendrick, V.C. Programmable digital input multiplexer 4—55297
Kenery, R. Mounting structures for area flood-lighting 4—35035
Kenison, L.M., Gardner, M.L., Doering, C.E. Oxygen plasma cleaning to improve hybrid wire bondability 4—58641
Kenjo, S. *see* Mitsui, H. 4—40203
Kennan, W., Chye, P. Low noise amplifiers above 18 GHz 4—46631
Kennard, C. *see* Pimlott, R.M. 4—33791
Kenne, J., Konagai, M., Takahashi, K. Effects of mercury and krypton on the glow discharge decomposition of disilane 4—41076
Kennedy, G. Independent consulting engineering 4—50401
Kennedy, G. A dead-time correction method for short-lived radioisotopes using measured peak areas 4—55980
Kennedy, G.R. *see* Yilmaz, U.M. 4—33451
Kennedy, H. *see* Thong Nguyen, D. 4—56182
Kennedy, P.D. FFT signal processing for noncoherent airborne radars 4—54859
Kennedy, R.C. *see* Adamski, J.L. 4—47485
Kennedy, R.C. *see* Grossman, W.M. 4—47367
Kennedy, W.H. *see* Sashin, D. 4—44741
Kennedy, W.O. *see* Puri, D. 4—34805
Kennel, R., Schroder, D. Predictive control strategy for converters 4—57203
Kenner, T. *see* Tiedt, N. 4—44704
Kenney, A.G. *see* Murphy, A.D. 4—51649
Kenney, V. *see* Ruchti, R. 4—33680
Kenny, M.A. *see* Harry, D.J. 4—44733
Kent, C., Ramachandran, G. Overlay characters on live video with single-chip controllers 4—41428
Kent, H.B. *see* Flot, R.F. 4—58606
Kent, J.D.B. The MSAT communications system concept 4—32751
Kentfield, J.A.C. A Bi-flow directional air-turbine for wave energy extraction 4—34481
Kentfield, J.A.C. The performance of simple horizontal axis wind-turbines for the direct drive of water pumps 4—40185
Kentfield, J.A.C. *see* Walker, G. 4—49720
Kenyen, A. Site management over 11000 km 4—43756
Kenyon, M. Teletex—the way ahead 4—43681
Kenyon, N.D. Videoconferencing 4—38885
Kephart, K. *see* Coteus, P. 4—55824

Kephart, R. *see* Minemura, H. 4—31083
Keppler, E. Energy economics of combined heat and power stations 4—34380
Kepr, M. *see* Pazderak, J. 4—60966
Keprt, J., Vejbor, P., Losenicky, M., Vitinger, J., Liman, P. Contactless measurement of external diameters of cylindrical profiles with microcomputer evaluation 4—61533
Keqin Wang *see* Wang Keqin
Keramidas, V.G. *see* Hwang, J.C.M. 4—36308
Kerber, R.L. *see* Brown, R.C. 4—52869
Kerchner, H.R., Sekula, S.T., Thompson, J.R. Errors due to field nonuniformity in vibrating sample magnetometry 4—39279
Kerecsen, I., Varady Szabo, M., Ghymes, B. Universal supervisory and remote control equipment for telecommunication networks 4—43571
Kergomard, J. On the response of a vented box loudspeaker system at very low frequencies 4—44340
Kerhart, J. *see* Kuhn, U. 4—48389
Kerimov, O.M. *see* Adushkin, A.V. 4—42559
Kerimov, O.M. *see* Averin, A.P. 4—42549, 4—59390, 4—59451
Kerin, T., Slavtchev, A., Nedeltchev, M., Kjurktchiev, T. A method for performance assessment of medical radioisotope equipment 4—56117
Kerkkanen, Y. *see* Eisenbrown, R. 4—62887
Kerkow, H., Kreysch, G., Lukasch, B. The influence of foreign atoms on the epitaxial annealing of ion-implanted silicon 4—36412
Kerleguer, R. Connection policy for low-voltage loads 4—34183
Kerman, R.J. Steady state and transient analyses of an induction machine with saturation of the magnetizing branch 4—57040
Kermani, P. *see* Bharath-Kumar, K. 4—38287
Kern, A. *see* Viswanathan, R. 4—51932
Kern, D.P., Coane, P.J., Houzego, P.J., Chang, T.H.P. Practical aspects of microfabrication in the 100 nm regime 4—30706
Kern, F.W., Jr., Watts, J.S. Thermoplastic encased immersion heater 4—50222
Kern, G. *see* Elsner, G. 4—30534
Kern, H. *see* Exalto, J. 4—35743
Kern, H. *see* Thoma, H. 4—49316
Kern, K.-H. Solderless press-in-technology 4—30197
Kern, P., Wawrzinek, S. Decentralised typing capacity connected to the central office 4—48063
Kern, W. Purifying Si and SiO_2 surfaces with hydrogen peroxide 4—52002
Kerner, B.S., Kozlov, N.A., Nechaev, A.M., Sinkevich, V.F. Luminous spots and breakdown in GaAs transistor structures 4—36610
Kernighan, B.W. *see* Dunlop, A.E. 4—36816
Kernoff, R.S. *see* Otis, J.N. 4—39544
Kernoff, R.S. *see* Zeman, H.D. 4—56094
Kernot, R.J. The Eutelsat space segment 4—48559
Kerns, D.R. Integrated circuit construction and its effects on EMC performance 4—59798
Kerpan, I. Limits in communication and information theory 4—47702
Kerr, A.J., Dinn, D.F. The use of robots in hydrography 4—39740
Kerr, A.R. *see* Pan, S.-K. 4—35705
Kerr, H.W. Lower losses reduce capitalised prices 4—49925
Kerr, R.H. *see* Cummings, P.G. 4—62544
Kerr, R.H. *see* Shliapnikoff, G. 4—56946
Kerr, T. *see* Davies, G.J. 4—50763
Kerr, W.T., Huck, R.W., Vazquez, G.M. Canada's first 20 years in space, 1962-82 4—54704
Kerrick, W.E. *see* Johnson, E.G. 4—40034
Kerrisk, D. *see* Wang, T.G. 4—50733
Kerrisk, J.F. Electrical and thermal modeling of railguns 4—42823
Kerrisk, J.F., Fowler, C.M., Peterson, D.R. Measurement and calculation of magnetic fields associated with rail-gun currents 4—37556
Kerrisk, J.F. *see* Peterson, D.R. 4—42788
Kersey, A.D., Corke, M., Jackson, D.A. Phase shift nulling DC-field fibre-optic magnetometer 4—47251
Kersey, A.D., Lewin, A.C., Jackson, D.A. Pseudo-heterodyne detection scheme for the fibre gyroscope 4—37106
Kersey, A.D. *see* Corke, M. 4—52660
Kersey, A.D. *see* Jackson, D.A. 4—37108
Kersey, A.D. *see* Jones, J.D.C. 4—31508
Kersey, A.D. *see* Leilabady, P.A. 4—55392
Kershaw, D.L., Taylor, R.J. VT editing—man or machine? 4—32985
Kerslake, W.R. *see* Zana, L.M. 4—42806
Kersley, L. *see* Edwards, K.J. 4—42863
Kerstan, F. *see* Bruckner, V. 4—47326
Kersten, R.T. Fiber and integrated optics in Germany: a national review 4—37156
Kersten, R.Th. *see* Kist, R. 4—31103
Kersting, W.H. A method to teach the design and operation of a distribution system 4—50358
Kerswell, B.R., Norris, M.T., Turner, R.C. Network terminating equipment for the ISDN: the customer interface 4—54582
Kerszenbaum, I., Landy, C.F. The existence of large inter-bar currents in three phase squirrel cage motors with rotor-bar and/or end-ring faults 4—57016
Kertis, R.A., Fitzpatrick, K.J., Han, Y.P. A 59 ns 256L DRAM using LD^3 technology and double level metal 4—58336
Kerzar, B. *see* Sellburg, F. 4—36038
Kerzhentsev, Yu.A., Lifor', N.K. Terminal system of access to the resources of a computer network 4—32480
Kesavan, S. A potential method for the biharmonic equation 4—35429
Kesel'man, L.M. *see* Durov, E.V. 4—39899
Keshelava, V.G. *see* Vysotskii, S.P. 4—57670
Keskin, A.U. A technique for the measurement of mechanical integrity of bones using fast Walsh and Fourier transforms 4—37854
Keskin, A.U. Fast computation of zoom-DFT via the Walsh transform 4—41029
Kesler, J. *see* Kesler, S.B. 4—60106
Kesler, S.B., Boodaghians, S., Kesler, J. Resolution of incoherent and coherent sources by autoregressive beamforming 4—60106
Kessel, D. *see* Florkowski, W. 4—48812
Kessel, W., Buchholz, F.I. Calibration possibilities of the noise power in the HF range 4—55148
Kessel, W. *see* Tauscher, N. 4—44418
Kessie, M.K. More about terminal blocks 4—30163
Kessler, J.N. CATV fiberoptic cable markets in the US 4—44255
Kessler, R. *see* Petty, S. 4—40482
Kessler, S., Hild, R. Edge contouring of complex objects with a complex high-pass filter 4—38045
Kessler, W.J., Dixon, N.R., Silverman, H.F. An experiment with a non-head-mounted microphone for discrete utterance recognition (DUR) 4—53517
Kesteloot, H. *see* Aubert, A.E. 4—33819
Kesthans, K.-F., Krombach, M., Schnauber, H. Problem solving by optimum workplace lighting 4—45750
Kestner, W. *see* Gabler, R. 4—32064
Ketchen, D.W. *see* Ganley, J.T. 4—49691
Ketchen, M.B. Thermal modulation of superconducting inductors 4—47217
Ketchen, M.B., Kopley, T., Ling, H. Miniature SQUID susceptometer 4—42287
Ketelaar, J.A.A. R and D requirements for batteries and fuel cells 4—45616
Ketmaier, M., Panciroli, F. Feasibility of an intercontinental digital exchange in an ISDN environment 4—54588
Keto, J.W. *see* Raymond, T.D. 4—52927
Ketteler, K.-H. The influence of winding arrangements in induction machines on additional losses and unbalanced magnetic pull 4—49875
Ketterer, K. *see* Bimberg, D. 4—37361
Ketterson, J.B. *see* Shin, S.C. 4—46861
Ketterson, J.B. *see* Wong, H.K. 4—52340
Kettler, D.J. *see* Cagnetta, A.C. 4—49755
Kettler, J.R. *see* Hayden, J.H. 4—34774
Kettler, W. Computer communications—performance of computer networks 4—43816
Kettner, D.C. *see* Dutton, R.W. 4—49761
Ketvirtis, A. *see* McCullough, V.A. 4—57536
Ketzner, J., Pan, K., Beach, B., Nelson, D. Single board computer simplifies data communications 4—29896
Keulemans, T. Australian communications policy 4—32161
Keun Chang Gee *see* Gee Keun Chang
Keun Choi Kye *see* Kye Keun Choi
Keune, C.M. *see* Warner, C. 4—32114
Keuper, A. *see* Breckow, J. 4—56119
Kew, J. *see* Stephens, M.J. 4—33290
Kexin Chen *see* Chen Kexin
Key, P.L. *see* Kolb, E.D. 4—29469
Key, T.S. Evaluation of grid-connected inverter power systems: The utility interface 4—57233
Keye, M. *see* Attikiouzel, J. 4—49220
Keyes, L.A. Concepts for Canadian direct broadcasting satellite systems 4—32761
Keyes, R.W. Germanium/silicon high mobility transistor 4—52109
Keyes, R.W. Improved mobility silicon field-effect transistor 4—52110
Keynes, R.Darwin *see* Darwin Keynes, R.
Keyser, I. An FM conversion for the Yaesu FT-707 transceiver. I 4—32691
Keyser, I. An FM conversion for the Yaesu FT-707 transceiver. II 4—38479
Keyser, I. The 'Dover' frequency meter. I 4—55537
Keyser, I. The 'Dover' frequency meter. II 4—61437
Keyser, J. *see* Bohlen, H. 4—51953
Keyser, R.M.C.de *see* de Keyser, R.M.C.
Keyte, G.E., Pearson, M.J. An assessment of SEASAT-SAR image quality 4—43468
Keyvan, S. *see* Hagenson, R.L. 4—62400
Kezunovic, M. Distribution of architecture and allocation of functions in an integrated microprocessor-based substation control and protection system 4—39952
Kfoury, N.S. *see* McKeithan, B.G. 4—45026
Kha Bat' Vong *see* Bat' Vong Kha
Khabarov, Yu.I. *see* Vasil'ev, V.G. 4—59612
Khabibullaev, P.K. *see* Vakhabov, D.A. 4—30314
Khac An Dao *see* Dao Khac An
Khachatryan, V.S., Temurdzhyan, A.V. Structural optimisation of power system interconnection by a decomposition method 4—56404
Khachaturov, A.K. *see* Abdullaev, K.M. 4—40103
Khachaturova, E.A. *see* Fedotova, N.V. 4—39781
Khachaturyan, A.M. *see* Gasparyan, M.R. 4—59181
Khachatur'yan, N.S. *see* Vasil'ev, A.B. 4—62430
Khachaturyan, O.A., Madoyan, R.S. Liquid-phase epitaxy of potassium niobate 4—35475
Khachiyan, L.G. Polynomial solvability of convex diophantine programming problems with a fixed number of variables 4—35396
Khadembaschi, A.R. *see* Hannakamm, L. 4—45426
Khadzhigenova, N.P., Ganchev, T.Ya. Algorithm and computer program to determine the efficiency of a K-160-130 dual block 4—56809
Khainson, A.V. *see* Ignatov, I.I. 4—57548
Khainson, Ya.I. *see* Styrikovich, M.A. 4—39966
Khairetdinov, K.A. *see* Bogatov, A.P. 4—31395, 4—59548
Khairutdinov, R.M. *see* Klokov, V.V. 4—40648
Khait, A.D. *see* Zholnerovich, O.A. 4—35536
Khajeian, E. *see* Sohrabi, M. 4—55878
Khakimov, T.M. *see* Konakova, R.V. 4—36540
Khalabuda, A.I., Kolesnikov, S.Ya. The 'electronic mail' service of a computer network 4—32281
Khalabuda, A.I. *see* Evchuk, V.N. 4—32468
Khalid, B.M.N. *see* Lidgate, D. 4—45361
Khalilov, A.O. *see* Niftiev, G.M. 4—30387
Khalilov, F.Kh. *see* Vol'pov, K.D. 4—40305
Khalimanovich, D.M. *see* Borisevich, A.N. 4—42534
Khalin, E.V. *see* Lipant'eva, N.N. 4—40806
Khametova, N.A. *see* Fedorov, A.N. 4—42911
Khan, A.A. A simple single element controlled triangular/square waveform generator 4—51031
Khan, A.A., Gupta, R.S. Comments on 'Wide-range, linear temperature-to-frequency converters using standard thermistors' 4—46598
Khan, A.A., Sengupta, R. A linear temperature/voltage converter using thermistor in logarithmic network 4—33518
Khan, A.A. *see* Haque, S.E. 4—58219
Khan, A.Azim *see* Azim Khan, A.
Khan, A.M.M. *see* Bickford, J.P. 4—45167
Khan, B.H. *see* Basu, K.P. 4—49629
Khan, E.U. *see* Vater, P. 4—55949, 4—55961
Khan, F.A., Bhattacharya, D.P. Low-temperature breakdown characteristics in n-Ge 4—51754
Khan, F.A., Bhattacharya, D.P. Electron capture cross-section in covalent semiconductors 4—58710
Khan, H.A. Studies of etched-track parameters in solid state nuclear track detection 4—33739
Khan, H.A. Determination of critical angles of etching and track registration efficiencies of track detectors 4—33741
Khan, H.A., Jamil, K., Khan, N.A., Sial, M.A., Brandt, R. Elastic scattering of 10 MeV/N-^{238}U ions by ^{197}Au and ^{165}Ho 4—55947
Khan, H.A., Khan, N.A., Jamil, K., Brandt, R. Annealing of heavy ion latent damage trails in Muscovite micro and CR-39 plastic track detectors 4—55934
Khan, H.A., Sial, M.A., Khan, N.A., Hussain, G., Brandt, R., Tuyn, J.W.N. Multifragment emission in the interaction of 86 MeV/N ^{18}O-ions with ^{197}Au, ^{184}W, and ^{106}Ag 4—55948
Khan, M., Hashim, M. A historical survey of quality standards and their development 4—50576
Khan, M.A., Madsen, N.H., Chin, B.A. Infrared thermography as a control for the welding process 4—55473
Khan, M.J.R. An interconnection of RC networks realizing compensating characteristics 4—29995
Khan, M.J.R. Impedance parameters for a five-layer tapered distributed network 4—50919
Khan, M.N., Khawaja, E.E., Save, D., Kutub, A.A., Hogarth, C.A. Electrical conductivity of semiconducting V_2O_5-GeO_2 glasses 4—30357
Khan, M.R. *see* McEwen, C.D. 4—37759
Khan, M.R.Huque *see* Huque Khan, M.R.
Khan, M.U. Amplifier has infinite time constant 4—50994
Khan, N.A. *see* Khan, H.A. 4—55934, 4—55947, 4—55948
Khan, N.M., Gupta, A. Optimal pm intervals for a series system 4—50595
Khan, P.J. *see* Bialkowski, M.E. 4—42905, 4—51511
Khandamirov, V.L. *see* Bey, N.A. 4—42917
Khanikyants, E.K. *see* Akopov, R.A. 4—51699
Khanisov, A.V. *see* Ignatov, I.I. 4—57598
Khanna, A.P.S. Q measurement of microstrip-coupled dielectric resonators 4—39284
Khanna, J.K. *see* Setlur, A.V. 4—49654
Khanna, R.K. *see* Singh, R.P. 4—43024
Khanna, V.K., Nahar, R.K. Effect of moisture on the dielectric properties of porous alumina films 4—55371
Kharatiskvily, N.G. Potential efficiency of broadcast television DPCM signals 4—38785
Kharchev, S.M. *see* Reshetnyak, S.A. 4—59378
Kharin, Yu.S. Robustness of decision rules in the presence of errors of classification of the training sample 4—53790
Kharitonov, A.G. *see* Levshin, V.P. 4—31980

Kharitonov, V.F. *see* Astakhov, Yu.N. 4—44964
Kharitonov, V.V., Koshelev, S.B. Thermoelastic stability of cooled laser mirrors 4—53038
Khasanov, A.Kh. *see* Vaisfel'd, M.P. 4—31262
Khasanov, O.Kh. *see* Nagibarova, I.A. 4—31512
Khasina, E.I. *see* Bilenko, D.I. 4—30369
Khatib, A. *see* Goras, L. 4—33833
Khatibzadeh, M.A., Trew, R.J., Masnari, N.A., Golio, J.M. Optimum profiles for low-noise ion-implanted GaAs MESFETs 4—36636
Khatuntsev, A.G. *see* Strukov, A.Z. 4—41573
Khatyrev, N.P. *see* Kostin, V.A. 4—55488
Khaustov, A.I. *see* Suvorov, E.V. 4—49051
Khawaja, E.E. *see* Khan, M.N. 4—30357
Khazonovich, I.A. *see* Kadyrov, T.M. 4—58151
Khazova, M.V. *see* Skhanov, V.I. 4—42744
Khe, A.S. *see* Karmazin, S.V. 4—31040
Khedouri, E., Szczechowski, C., Cheney, R.E. Potential oceanographic applications of satellite altimetry for inferring subsurface thermal structure 4—56316
Khemka, P.K., Bhattacharya, D.S., Ramamurthy, S.S., Divatia, A.S. A new high power wide band radio frequency system for variable energy cyclotron at Calcutta 4—33613
Kherkheulidze, I.A. *see* Ter-Gazaryan, G.N. 4—40210
Kheruntsev, P.E. *see* Petrov, L.P. 4—57024
Khesin, A.Ya. The Betacam video system 4—32984
Khesin, A.Ya. *see* Bykov, V.V. 4—38834
Khider, A.M., Ramakumar, R. Some thoughts on the application of computer relaying for the protection of large induction motors 4—49898
Khilnani, G. *see* Allman, C.E. 4—55454
Khimchenko, N.V. *see* Kovrik, I.A. 4—58087
Khiminets, V.V. *see* Betsa, V.V. 4—42450
Khincha, H.P. *see* Premakumaran, N. 4—49525, 4—49526
Khinov, Kh., Mincheva, N., Avramov, M. Digital methods for determining a parallel invertor initial conditions 4—45530
Khizhnyak, A.I. *see* Krenert, Yu. 4—42598
Khizhnyak, N.A., Khoruzh, V.M., Shulika, N.G. Application of a 'smooth approximation' to study asymmetric alternating-phase focusing 4—49054
Khizhnyak, N.A. *see* Gorobets, N.N. 4—42956
Khlebnikov, A.G. *see* Zubov, V.A. 4—60154
Khlebtsevich, V.Yu. *see* Vladimirov, L.V. 4—33802
Khlebutin, G.S., Khlebutina, V.I. On minimization of the number of input argument inversions in synthesis of combination circuits in the Scheffer basis 4—29777
Khlebutina, V.I. *see* Khlebutin, G.S. 4—29777
Khlopov, G.I. *see* Kostenko, A.A. 4—41881
Khlopov, G.I. *see* Veliyev, E.I. 4—30071
Khlopov, V.M. Checking pointer-type phase meters of higher-than-usual frequency with an electronic phasemeter 4—55544
Khludkov, S.S. Gallium arsenide avalanche S-diodes 4—58902
Khlyakin, V.B. *see* Markov, L.N. 4—53138
Khlystov, V.M. *see* Skryl', V.F. 4—56697
Khlyunev, A.L. *see* Zubov, V.G. 4—51069, 4—61447
Khmaruk, O.N. *see* Krokhin, V.V. 4—37520
Khmaruk, O.N. *see* Maslov, Yu.N. 4—59710
Khmelinin, E.G. *see* Vaganova, M.Yu. 4—58484
Khmyrov, B.E. *see* Shestopalov, V.P. 4—56309
Khoborkova, Z.Ts. *see* Talyshinskii, I.T. 4—34620
Khodabandehloo, K., Duggan, F., Husband, T.M. Reliability of industrial robots: a safety viewpoint 4—50604
Khodak, I.Ya. *see* Apenko, V.P. 4—50479
Khodan, A.E. *see* Siukaev, A.V. 4—39957
Khodataev, K.V. *see* Zolotaryuk, A.V. 4—47553
Khodorchenko, Z.G. *see* Vysotskii, S.P. 4—57670
Khodos, T.A. *see* Akhmedov, R.B. 4—40365
Khodunkov, V.P. *see* Gordov, A.N. 4—40583
Khodykin, V.N. *see* Zemchenok, L.I. 4—33477
Khodzhaev, K.Sh. *see* Kiselev, P.V. 4—45415, 4—62504
Khodzhaev, Sh. *see* Kiselev, P.V. 4—45407
Khoe, G.-D., Kock, H.G., Kuppers, D., Poulissen, J.H.F.M., de Vrieze, H.M. Progress in monomode optical-fiber interconnection devices 4—52558
Khoetsian, K.V. *see* Belyakov, N.N. 4—39935
Khokhlov, I.A. *see* Kuzyakin, Yu.I. 4—32467
Khokle, W.S. Power semiconductor devices—transistors and thyristors 4—36499
Khokle, W.S. *see* Gupta, R.P. 4—36094, 4—58875
Khokle, W.S. *see* Gupta, S.N. 4—58978
Khokle, W.S. *see* Kochhar, M. 4—58876
Khokle, W.S. *see* Singh, A. 4—30696
Kholmetskii, A.L. *see* Anshakov, O.M. 4—46783
Kholodenko, Yu.N. *see* Rogoza, V.V. 4—45179
Kholodnov, V.A. *see* Blokhin, I.K. 4—30580
Kholosha, A.I. *see* Gitshov, N.G. 4—33360
Khomchenko, V.S. Electroluminescent emitters based on thin films, activated by rare-earth elements 4—59323
Khomenko, A.N. *see* Zhurakovskii, Yu.P. 4—43942
Khomenko, A.V. *see* Bryksin, V.V. 4—53113
Khomenko, A.V. *see* Petrov, M.P. 4—42418, 4—52706
Khomenko, B.A. *see* Bystritskii, V.M. 4—39482
Khomenko, Yu.M. *see* Shpak, I.V. 4—31418
Khomenok, L.A., Rozenberg, S.Sh., Il'in, V.N., Kmet', A.I. Increasing steam temperature gauging accuracy during steam turbine tests 4—55738
Khomich, V.Yu. *see* Apollonov, V.V. 4—37413
Khomskii, I.G. *see* Perevodchikov, V.I. 4—34757
Khomutov, A.A. *see* Gaisak, I.I. 4—49073
Khomutov, B.D. *see* Il'in, V.A. 4—37070
Khondker, A.N., Kim, D.M., Ahmed, S.S., Shah, R.R. Theory of conduction in polysilicon: drift-diffusion approach in crystalline-amorphous-crystalline semiconductor system. II. General *I-V* theory 4—36251
Khondker, A.N. *see* Kim, D.M. 4—36250
Khoo, I.C., Normandin, R. Nanosecond-laser-induced optical wave mixing and ultrasonic wave generation in the nematic phase of optical crystals 4—53073
Khorenko, V.K. *see* Bredikhin, M.Yu. 4—39402
Khorunzhii, I.A. *see* Pustovalov, V.K. 4—42701
Khorunzhii, M.V. *see* Kaimakov, A.A. 4—29214
Khoruzh, V.M. *see* Khizhnyak, N.A. 4—49054
Khoshaim, B., Huraib, F., Al-Sani, A., Salim, A. Eighteen-month performance of 350 kW PVPS for Saudi Arabian villages 4—40166
Khoshdel, E. *see* Winter, C.S. 4—52051
Khosla, R.P. *see* Lee, T.H. 4—37230
Khosrovi, A. *see* Sacarisen, S.P. 4—51302
Khotnyanskaya, E.B. *see* Dorosh, V.S. 4—37140
Khoury, A. *see* Mialhe, P. 4—45659
Khoury, E.N., Hoyle, J.S. Clutter maps: design and performance 4—54853
Khovanets, Ya., Parizek, P., Tesarzh, K. Transmission capability of the transport protocol in the IPK experimental network in Bratislava 4—32471
Khovanskii, N.N. *see* Bystritskii, V.M. 4—39482
Khovanskii, N.N. *see* Krumshtein, Z.V. 4—49098
Khozhainova, G.I. *see* Vorob'ev, S.A. 4—30883
Khramovskii, Yu.V. *see* Seregin, M.D. 4—40653
Khrilev, L.S., Kovylyanskii, Ya.A., Demina, L.A., Il'kevich, Z.A., Kochanov, S.A., Makarova, A.S. Determination of the effectiveness and of the scale of employment of district heating under the new conditions of establishment of the fuel and power complex of the USSR 4—40073
Khripko, D.A. *see* Kolchev, E.V. 4—62625
Khripkov, A.N., Strebulyaev, A.I., Zolotarev, N.A. A low-frequency model of a half-wave saturable magnetic amplifier 4—47565
Khristov, Kh.B. *see* Komarova, I.E. 4—37183
Khristov, S. Inverse relations invertor and its application in electrotechnology 4—49969
Khromov, I.Yu., Sinyavskii, V.I. Synchronization method in amplitude differential discriminators 4—46389
Khromov, O.I. *see* Gorshkov, A.G. 4—32874
Khromov, O.I. *see* Larionov, M.G. 4—32875
Khromova, G.N. *see* Borovikov, A.A. 4—39474
Khromtsova, N.A., Kofman, E.D. Modernising drive mechanisms for feeding and withdrawing product from cotton carding machines 4—45805
Khromykh, A.M. *see* Zhavoronkova, T.V. 4—59559
Khromylev, V.N. *see* Goryachev, S.B. 4—42532
Khrunov, V.S. *see* Muckhachev, Yu.S. 4—61706
Khrustalev, V.A. *see* Aminov, R.Z. 4—45223, 4—56742, 4—56774
Khrustalev, V.A. *see* Geller, V.M. 4—37282
Khryapov, V.T. *see* Kozlovskii, V.I. 4—42610
Khublarov, N.N. *see* Konov, Yu.S. 4—57134
Khudolii, N.G. *see* Pilipenko, G.S. 4—61555
Khudyakov, A.Yu. *see* Vlasov, E.A. 4—44601
Khudyakov, V.V. Monitoring and ensuring quality of electric energy on power systems by French electrical equipment companies 4—34237
Khulugurov, V.M. *see* Asaenok, N.A. 4—59490
Khuri-Yakub, B.T. *see* Fox, J.D. 4—56361
Khuri-Yakub, B.T. *see* Jungerman, R.L. 4—46270, 4—50870, 4—56367
Khusid, L.B., Luft, B.D., Ormont, A.B., Porotikov, A.P., Yassen, M.L. Preparation of heteroepitaxial structures by a selective etching method 4—52019
Khutoretskii, G.M., Kurnevich, E.M., Shabaev, P.K., Bityugova, I.G. On the problem of noise levels of large turbogenerators 4—34590
Khutoretskii, G.M., Voronov, G.G. Equivalent circuits, diagrams and parameters of six phase nonsalient pole generator in steady state regimes 4—34589
Khutorskaya, O.E. *see* Andreeva, E.A. 4—61787
Khvoles, R. *see* Pantev, C. 4—49203
Khvoshch, S.T. *see* Varlinskii, N.N. 4—46478
Ki Hwan Eom *see* Ju Hong Kim 4—48654
Ki Kim Myung *see* Myung Ki Kim
Ki Mun Seong *see* Seong Ki Mun
Ki Shin Yoon *see* Yoon Ki Shin
Kibe, S.V. RF synchronization in DSPN-SSMA systems 4—38445
Kibedi, T. *see* Passoja, A. 4—55992
Kibens, V. *see* Wlezien, R.W. 4—61537
Kicherer, H. *see* Hohneker, W. 4—29603, 4—35594
Kichev, V.M. Partial flowmeter 4—55748
Kichigin, D.A. *see* Igumenov, V.T. 4—36311
Kichko, O.V. Properties of the modelling part of the micromodel estimating interactions in computer networks 4—43484
Kichko, O.V. *see* Bogomolov, L.P. 4—43482
Kichler, J. *see* Kubin, M. 4—45297
Kicinski, W. Stochastic potentiometer as a variable divider of expected value in random binary process 4—46539
Kida, H. *see* Kanemaki, N. 4—54164
Kida H. *see* Okamoto, H. 4—30363
Kidd, D.A. Operation of the Dinorwig pumped storage station on the CEGB system 4—45363
Kido, G. Solid state experiments in pulsed high magnetic field. III. Remarks on the measurements of magnetoresistance and magnetic field intensity 4—61509
Kido, K. LSI and its application to audio systems 4—48653
Kido, K. *see* Abe, M. 4—60134
Kido, K. *see* Kawabata, T. 4—31927
Kido, K. *see* Makino, S. 4—59971
Kido, K. *see* Shibayama, H. 4—62009
Kido, M. *see* Matsumura, F. 4—57010
Kidode, M. *see* Sakaue, K. 4—48807
Kidono, M. *see* Kazuno, H. 4—56996
Kidron, I. *see* Kornfeld, A. 4—35932
Kidron, I. *see* Shacham-Diamand, Y. 4—51778
Kieback, D. Human behavioural deficiencies as a cause of electrical accidents 4—50458
Kieffer, J.C. A unified coding theorem of ergodic theory and information theory 4—37863
Kiehl, R.A. *see* Kastalsky, A. 4—58525
Kiehne, H.A. *see* Berndt, D. 4—57329
Kiekbusch, A. Ultrasonic transducer for miniature echo sounders 4—44931
Kielczewska, D. *see* Jones, T.W. 4—55811
Kiener, P. *see* Gyger, A. 4—54610
Kienle, F. Is nuclear fuel supply equipped for the next decade? 4—40020
Kiersztyn, S.E., Wahl, R.E., Wu, A., Moon, C.G., Jones, S.P. Evaluation of locomotive cable insulation life under varying temperature loading 4—50184
Kiesewetter, H., Mrowietz, C., Lazar, H., Jung, F. The hematocrit-electrolyte-concentration-apparatus (HECA) 4—61757
Kiesewetter, L. Storage-programmable rear mirror adjustment for vehicles 4—40578
Kiesler, S. *see* Dubrovsky, V. 4—44308
Kiesling, J. Mobile satellite vs. cellular 4—38501
Kiesling, J.D. Mobile communications by satellite 4—38496
Kihara, M., Jumonji, H. Frequency keeping algorithm for atomic reference frequency and clock supply 4—61484
Kihara, M. *see* Makino, M. 4—38162
Kihara, N. An electronic still camera and recording system 4—44295
Kihara, T. *see* Matsuura, K. 4—56617
Kijima, Y., Nara, Y., Kobayashi, A., Kimura, S. Speaker adaptation in large-vocabulary voice recognition 4—53549
Kikish, O.V. Improving the performance of the process water supply system at the Pridneprovsk state regional electric power plant (GRES) 4—34427
Kikish, O.V. Test of system for circulating water supply with cooling pond 4—40071
Kikkawa, S. *see* Yamamoto, T. 4—57321
Kikkawa, T. *see* Matsusaka, H. 4—50002
Kikot', V.B. *see* Gorelov, L.V. 4—61104
Kikuchi, A., Omatu, S., Morisue, T., Arimoto, S. Multivariable adaptive IIR filtering 4—47821
Kikuchi, F. *see* Hara, M. 4—31554
Kikuchi, H. *see* Hino, Y. 4—54603
Kikuchi, H. *see* Katsuyama, H. 4—39337
Kikuchi, H. *see* Watanabe, H. 4—58446
Kikuchi, K., Mori, N., Aihara, K.-I. Bus architecture for advanced synchronous transmission terminals towards ISDN 4—32519
Kikuchi, K., Okoshi, T., Arata, R. Measurement of linewidth and FM-noise spectrum of 1.52 μm InGaAsP lasers 4—42633
Kikuchi, K., Okoshi, T., Kawai, T. Estimation of linewidth enhancement factor α of CSP-type AlGaAs lasers from measured correlation between AM and FM noises 4—42628
Kikuchi, K., Suzuki, A., Mochizuki, T., Endo, S., Imai, E., Tanji, Y. Development of NKK coal gasification process—a status report 4—35093
Kikuchi, K. *see* Kawashima, M. 4—38383
Kikuchi, K. *see* Memita, N. 4—45128
Kikuchi, K. *see* Mitsuhashi, Y. 4—59496
Kikuchi, M. Therapeutic engineering 4—49285
Kikuchi, M., Murao, Y., Yamamoto, H. Ti silicidation technology for high speed EPROM devices 4—30812
Kikuchi, M. *see* Arai, T. 4—59387
Kikuchi, M. *see* Kaji, Y. 4—58424
Kikuchi, M. *see* Masuda, S. 4—58408
Kikuchi, M. *see* Murao, Y. 4—36876
Kikuchi, M. *see* Nikawa, Y. 4—44773
Kikuchi, M. *see* Ohya, S. 4—35816
Kikuchi, M. *see* Okumura, K. 4—58344
Kikuchi, M. *see* Suzuki, S. 4—58341
Kikuchi, S., Iwase, Y., Kogure, K. Digital signal processor applications to digital switching systems 4—32001
Kikuchi, S. *see* Muraoka, Y. 4—54042

Kikuchi, S. *see* Ozawa, T. 4—51237
Kikuchi, S. *see* Tanaka, M. 4—33502
Kikuchi, T., Ohtani, A., Nozaki, K. East-west nonreciprocal propagation of Omega navigational waves at the low latitude and equator 4—31656
Kikuchi, T., Ohtani, A., Nozaki, K., Kurihara, N., Kuratani, Y., Ohse, M. East-west nonreciprocal propagation of Omega navigational VLF waves on the low latitude and transequatorial paths 4—44185
Kikuchi, T. *see* Ohtani, A. 4—31655
Kikuchi, T. *see* Takahashi, S. 4—59286
Kikuchi, T. *see* Yamaguchi, M. 4—52468
Kikuchi, Y. *see* Gao, X. 4—53480
Kikushima, K., Suematsu, Y. Nonlinear distortion properties of laser diode influenced by coherent reflected waves 4—31398
Kikuta, M., Tajima, T. TCP distribution processor for various kinds of data communication systems 4—32395
Kikuts, Ya.A. *see* Yakubaitis, E.A. 4—43726
Kikuyama, N. *see* Inami, T. 4—42921
Kil-Yeung Song The role of the power generation system 4—56480
Kil-Yeung Song, Jae-Seok Choi A study on minimum cost expansion planning of power system by branch and bound method 4—49561
Kildal, P.-S. Radiation characteristics of the EISCAT VHF parabolic cylindrical reflector antenna 4—53269
Kildal, P.-S. Asymptotic approximations of radiation integrals: endpoint and double endpoint diffraction 4—53277
Kildal, P.-S. Aperture efficiency and line feed phase center of parabolic cylindrical reflector antenna 4—53288
Kil'dishev, V.N. *see* Vashkovskiy, A.V. 4—42281, 4—47202
Kil'dishev, V.S., Koval'kov, G.A., Kozlov, Yu.A., Mashnev, A.E., Nikitenko, D.P., Polulyakh, V.S., Yudin, E.E. Results of tests and operations of brushless exciter systems for turbogenerators 4—40212
Kilen, R.S. *see* Ashbee, W.H. 4—37023
Kilgannon, T.J. *see* Faris, S.M. 4—52501
Kilgenstein, O. Switching networks in practice. I 4—58483
Kilgore, R.A., Dress, D.A. The application of cryogenics to high Reynolds number testing in wild tunnels. I. Evolution, theory, and advantages 4—61867
Kilgore, V.O. Third-level VAN's 4—54065
Kilian, E.A. *see* Eckert, W. 4—38941
Kilian, E.-A. *see* Eckert, W. 4—41660
Kilias, H. *see* Brauer, H. 4—44761
Kilin, S.F. *see* Andreeshchev, E.A. 4—33720
Kilin, S.F. *see* Belousov, G.D. 4—49080
Kilkenny, J.D. *see* Dymoke-Bradshaw, A.K.L. 4—61736
Kilkis, B. Simple pressure- and velocity measuring methods in the surroundings of a test piece in fluidized bed 4—33491
Killat, U. *see* Dahmen, N. 4—48277
Killeen, J.C. High-temperature thermoelectric power of UO_2 4—58755
Killesreiter, H., Bosse, R., Rummler, W. Semiautomatic unit for viscosity measurement based on the bellow-capillary principle 4—55777
Killian, K.W. *see* Busby, K.O. 4—36208
Killman, P. Protocol analyzers take on functions to deal with network complexities 4—54341
Kilmenko, I.S., Malov, S.N., Ryabukho, V.P. Holographic image subtraction based on Fourier-plane recording and spatial filtration with a narrow beam 4—53108
Kilmer, C.A. *see* Doerre, G.W. 4—46463
Kilna, A.A., Orlinis, R.Yu. Accuracy of shaping of pulses from digital magnetic recording signals 4—37931
Kilpatrick, M.K. Clean rooms: the common sense approach to effectiveness 4—36419
Kilpert, R.A. *see* Davis, D.E. 4—30487
Kilroy, W.P. *see* Ake, R.L. 4—50031
Kilty, L.R. *see* Kanely, J.R. 4—38615
Kilyeni, S. *see* Cristea, H. 4—49507
Kim, B., Tserng, H.Q. 0.5 W 2-21 GHz monolithic GaAs distributed amplifier 4—29673
Kim, B., Tserng, H.W., Saunier, P. GaAs dual-gate FET for operation up to *K*-band 4—36047
Kim, B. *see* Peterson, D.L. 4—36595
Kim, B. *see* Tserng, H.Q. 4—29693
Kim, B.G. Characterization of arrival statistics of multiplexed voice packets 4—32086
Kim, B.Y., Lefevre, H.C., Bergh, R.A., Shaw, H.J. Response of fiber gyros to signals introduced at the second harmonic of the bias modulation frequency 4—59203
Kim, B.Y., Shaw, H.J. Gated phase-modulation feedback approach to fiber-optic gyroscopes 4—44494
Kim, B.Y., Shaw, H.J. Gated phase-modulation approach to fiber-optic gyroscope with linearized scale factor 4—52585
Kim, B.Y., Shaw, H.J. Phase-reading, all-fiber-optic gyroscope 4—52586
Kim, C. Retardation of boron diffusion in silicon 4—46930
Kim, C., Sohn, B.K., Shono, K. Chemical vapor-deposited boron nitride film on silicon as a boron diffusion source 4—51986
Kim, C.-K. *see* Shin, Y.-S. 4—46796
Kim, C.M. *see* Uhm, H.S. 4—58698
Kim, C.-M., Kim, Y.-H., Yoo, H.-W. Design and installation of Egyptian National Energy Control Center 4—56479
Kim, C.O. *see* Ushida, N. 4—56030
Kim, D. *see* Nakaoka, M. 4—50974
Kim, D. *see* Onaral, B. 4—49213
Kim, D.I., Kawabe, D., Araki, K., Naito, Y. Directly-connected image guide 3-dB couplers with very flat couplings 4—51516
Kim, D.M., Khondker, A.N., Ahmed, S.S., Shah, R.R. Theory of conduction in polysilicon: drift-diffusion approach in crystalline-amorphous-crystalline semiconductor systems. I. Small signal theory 4—36250
Kim, D.M. *see* Khondker, A.N. 4—36251
Kim, D.Y., Han, B.S., Kim, H.K. The phase and time domain behaviors of elliptic filters 4—41457
Kim, D.Y. *see* Kim, S.H. 4—35684
Kim, E.M. *see* Chamberlain, G.E. 4—38652
Kim, G. *see* Suzuki, Y. 4—56725
Kim, H. *see* Henry, H.G. 4—52031
Kim, H. *see* Yaakobi, B. 4—46905
Kim, H.B. *see* Dickens, L.E. 4—58540
Kim, H.D., Un, C.K. An ADPCM system with improved error control 4—31894
Kim, H.J. *see* Leung, C.-H. 4—41630
Kim, H.K. *see* Kim, D.Y. 4—41457
Kim, H.K. *see* Sadughi, S. 4—29994
Kim, I.-J. *see* Baker, S.I. 4—33727
Kim, I.S., Hoefer, W.J.R. An experimental single balanced mixer in E-plane technology 4—30103
Kim, J. *see* Assalit, H. 4—52081
Kim, J.-H. Economic operation of electric power systems 4—56478
Kim, J.K. *see* Maracas, G.N. 4—61379
Kim, J.M. *see* Ho, F.D. 4—58790
Kim, J.S., Lin, H.C. Modeling effective source resistance of a short-channel MOSFET 4—52145
Kim, K. *see* Fanning, J.J. 4—31435
Kim, K. *see* Hendricks, C.D. 4—53146
Kim, K.I., Tewarson, R.P., Bizais, Y., Rowe, R.W. Inversion for the attenuated Radon transform with constant attenuation 4—39536
Kim, K.J. A synchrotron radiation source with arbitrarily adjustable elliptical polarization 4—33555
Kim, K.J. Polarization characteristics of synchrotron radiation sources and a new two undulator system 4—55801
Kim, K.J. *see* Neureuther, A.R. 4—52157
Kim, K.M., Schwuttke, G.H., Smetana, P. Computer-controlled economical and reliable tail-off of Czochralski silicon crystal growth 4—29446
Kim, K.M., Schwuttke, G.H., Smetana, P. New method of float zone crystal growth based on a heated load coil with RF power supply 4—50739
Kim, K.M., Smetana, P. Elimination of crystal orbiting in Czochralski cable puller with a coaxial magnet and magnetic weight 4—41038
Kim, K.M., Smetana, P. Control of oxygen segregation in Czochralski silicon crystals through combining magnetic field and crystal rotation 4—50740
Kim, M. *see* Arakawa, I. 4—30237, 4—44643
Kim, M.D., Swaminathan, S., Lewis, C.H. Three-dimensional nonequilibrium viscous shock-layer flow over the Space Shuttle Orbiter 4—33916
Kim, M.E., Hong, C.S., Kasemset, D., Milano, R.A. GaAlAs/GaAs integrated optoelectronic transmitter using selective MOCVD epitaxy and planar ion implantation 4—31176
Kim, M.E., Hong, C.S., Kasemset, D., Milano, R.A. GaAs/GaAlAs integrated optoelectronics for optical interconnect applications 4—52691
Kim, M.E., Hong, C.S., Kasemset, D., Milano, R.A. GaAs/GaAlAs selective MOCVD epitaxy and planar ion-implantation technique for complex integrated optoelectronic circuit applications 4—58975
Kim, M.J. *see* Cohen, S.S. 4—58792
Kim, N.-M., Un, C.K., Lee, J.R. A multisubscriber variable-rate sampling HCDM system with dynamic buffer control 4—47732
Kim, P.H. *see* Shiokawa, T. 4—36390
Kim, S. *see* Dhawan, S.K. 4—29947
Kim, S. *see* Hayashide, Y. 4—33681
Kim, S.H. Relativistic quantum-kinetic theory of an electron cyclotron maser in a uniform magnetic field 4—42497
Kim, S.H., Kim, D.Y. The frequency range improvement of the Wien-bridge oscillators 4—35684
Kim, S.S. *see* Park, K.S. 4—46013
Kim, Y., Tompkins, W.J., Webster, J.G. Electrical impedance imaging of the body with nonlinear reconstruction 4—49116
Kim, Y., Tompkins, W.J., Webster, J.G. Development of a modifiable computer body model 4—49207
Kim, Y., Webster, J.G., Tompkins, W.J. Electrical impedance imaging of the thorax 4—44754
Kim, Y.-H. *see* Kim, C.-M. 4—56479
Kim, Y.I. *see* Nandedkar, S.D. 4—33846
Kim, Y.K., Miller, L.E., Lee, J.S. The exact performance analysis of two types of adaptive receivers for multi-hops per symbol FH/MFSK systems in partial-band noise jamming and system thermal noise 4—32672
Kim, Y.K. *see* Lee, J.S. 4—31839, 4—43956
Kim Bong Ryul *see* Bong Ryul Kim
Kim Byung-Chul *see* Byung-Chul Kim
Kim Byung-Tai *see* Byung-Tai Kim
Kim Chai-Ok *see* Chai-Ok Kim
Kim Chan-O *see* Chan-O Kim
Kim Chang Suk *see* Chang Suk Kim
Kim Chong Hwan *see* Chong Hwan Kim
Kim Choon Sung *see* Choon Sung Kim
Kim Eui-Hoon *see* Eui-Hoon Kim
Kim Hee Dong *see* Hee Dong Kim
Kim Hieu Nguen *see* Nguen Kim Hieu
Kim Ho-Gi *see* Ho-Gi Kim
Kim Hong-Seok *see* Hong-Seok Kim
Kim Jae Chang *see* Jae Chang Kim
Kim Jae Kyoon *see* Jae Kyoon Kim
Kim Ju Hong *see* Ju Hong Kim
Kim Myung Ki *see* Myung Ki Kim
Kim Ok-Kyung *see* Ok-Kyung Kim
Kim Soo Joong *see* Soo Joong Kim
Kim Tae Geun *see* Tae Geun Kim
Kim Wha Tek *see* Wha Tek Kim
Kim Young Soo *see* Young Soo Kim
Kimata, M. *see* Denda, M. 4—39080
Kimata, N. Measuring systems for audio production lines 4—48624
Kimble, H.J., Mandel, L. Photoelectric detection of polychromatic light 4—61400
Kimel'blat, V.I. Effect of the linewidth of the oscilloscope beam on the error in measuring time parameters 4—33364
Kimizuka, M. *see* Morie, T. 4—42177
Kimmel, D.S., Markus, D.R., Ottobre, L.G. Microprocessor-based digital excitation system 4—49844
Kimmitt, M.F. Transmission of silicon from 0.1-1 mm wavelength 4—39343
Kimmitt, M.F., Takai, M. Detection at 100-300 μm with $Hg_{1-x}Cd_xTe$ in a magnetic field 4—39188
Kimmitt, M.F. *see* Giles, J.C. 4—39186
Kimmitt, M.F. *see* Lopez, G.C. 4—37464
Kimnel, E.A., Jhun, T.J. Conversion of oil-designed boilers to pulverized-coal firing 4—49751
Kimoto, T., Tsukiyama, S., Shirakawa, I. On the computational complexity of an external pin assignment problem 4—50905
Kimoto, T. *see* Satou, K. 4—43740
Kimstra, F. *see* Kolmasch, F. 4—45321
Kimstra, K. *see* Keij, J. 4—34455
Kimugawa, N. *see* Yudasaka, M. 4—31211
Kimura, A., Konno, N. Direct digital control for AC electric locomotives 4—50164
Kimura, A. *see* Ninomiya, K. 4—44843
Kimura, C. *see* Nishinoma, M. 4—54759
Kimura, H., Kozuka, S., Aihara, K. Synchronous digital transmission terminals in digital local network 4—38398
Kimura, H., Tomozawa, A., Fudemoto, I. Digital transmission technology 4—32207
Kimura, H. *see* Inazaki, K. 4—33464
Kimura, H. *see* Toida, T. 4—54448
Kimura, H. *see* Ushida, N. 4—56030
Kimura, I. *see* Kanno, I. 4—33629
Kimura, K. *see* Fujiyama, Y. 4—48342
Kimura, K. *see* Sato, F. 4—29780, 4—35745
Kimura, K. *see* Yamada, K. 4—32528
Kimura, M., Ishida, T. The Automatic Coal Firing Boiler Control System for the Shimadzu MS control system 4—56842
Kimura, M., Nakajima, J., Matsuda, T. An analysis of air breakdown in electrostatic recording 4—57651
Kimura, M., Ohbayashi, K., Uemori, A., Shoji, T. Communication control firmware 4—29904
Kimura, M. *see* Egami, K. 4—41812
Kimura, M. *see* Iwamura, J. 4—58427
Kimura, M. *see* Nakamura, K. 4—53009
Kimura, M. *see* Suzuki, T. 4—31547
Kimura, M. *see* Yoshida, M. 4—36870
Kimura, S., Kitamura, K., Shindo, I. Growth of rare earth garnet crystals by the floating zone method 4—35463
Kimura, S., Nishioka, Y., Shintani, A., Mukai, K. Leakage current suppression in amorphous Ta_2O_5 films with micro-pinhole growth control 4—41106
Kimura, S., Takenaka, T., Kuwabayashi, J. Software for telephone network-packet network interworking system 4—38197
Kimura, S. *see* Azuma, A. 4—40188
Kimura, S. *see* Hayashi, R. 4—41596
Kimura, S. *see* Kijima, Y. 4—53549
Kimura, S. *see* Miyake, K. 4—46945
Kimura, S. *see* Shibata, J. 4—52948

Kimura, T., Mochiji, K., Tsumita, N., Obayashi, H., Mikuni, A., Kanzaki, H. Exposure characteristics of electron beam resists for synchrotron X-ray lithography 4—36367
Kimura, T., Sakaguchi, S. Transmission loss of UV-curable silicone-coated optical fibre 4—31112
Kimura, T. *see* Chida, K. 4—52594
Kimura, T. *see* Jimbo, Y. 4—41255
Kimura, T. *see* Kobayashi, S. 4—37378, 4—54765
Kimura, T. *see* Kukita, S. 4—44091, 4—44095
Kimura, T. *see* Mochiji, K. 4—51924
Kimura, T. *see* Mukai, T. 4—37131
Kimura, T. *see* Saito, S. 4—38630
Kimura, T. *see* Sakai, J.-i. 4—37132
Kimura, T. *see* Shibata, S. 4—52557
Kimura, T. *see* Yamamoto, Y. 4—37428
Kimura, Y., Koga, S. An energy minimum control in train operation 4—50185
Kimura, Y. *see* Gotoh, T. 4—48668
Kimura, Y. *see* Kinoshita, Y. 4—34349
Kimura, Y. *see* Yoshibayashi, T. 4—61110
Kimzey, D.E. High technology for digital systems 4—60354
Kin-Dittmann, I. *see* Waszkiewicz, L. 4—39570
Kin-Hung Wong, Morgan, C.G. Population inversion mechanisms in He-Cd^+ hollow cathode lasers 4—47428
Kin-Hung Wong *see* Wong Kin-Hung
Kinber, B.E., Anyutin, A.P., Martynov, A.M. Diagnostics of faulty phase array elements by the focusing method 4—37772
Kinber, B.E., Klassen, V.I., Steblin, V.I. Theory of three-dimensional bifocal antennas 4—42955
Kincaid, D.L., Larson, D.N. Single-chip repertory dialer affords dual-dial-mode telephone 4—32507
Kinch, M.A. *see* Schaake, H.F. 4—30497
Kind, P.A. The '3rd C' in Korea [military communications] 4—32200
Kindelan, M., Suarez de Lezo, J., Franco, M., Sancho, M., Trapiello, L. Digital image processing in coronary angiography 4—49270
Kindell, R. *see* O'Shea, T. 4—30929
Kindig, W.G., McGrath, J.D. Vibrations, random required 4—46037
King, A.J. *see* Dakin, J.P. 4—52573
King, A.J. *see* Kaune, W.T. 4—56207
King, A.W. *see* Boza, L.B. 4—38413
King, C., Jr. The model 706 side-scan mapping recorder: a marine geophysical instrument 4—39730
King, C.W. *see* Velbeck, K. 4—39440
King, D.J. *see* El-Sharkawi, E. 4—62170
King, D.S. Motors explained. II 4—49911
King, G.J. Beginner's guide to radio. Ninth edition 4—29123
King, G.J. An introduction to antennas. I 4—47667
King, G.J. An introduction to antennas. II 4—59753
King, H.E. *see* Wong, J.L. 4—59882
King, J. Designing tomorrow's systems—with high-speed CMOS logic 4—51177
King, J.V., Hayes, E.J., Jutras, G.J. Results of COSPAS-SARSAT system performance testing 4—32755
King, J.W. *see* Russell, D.W. 4—56895
King, L. The Virginia Center for the Performing Arts: the acoustical design 4—33004
King, M. Circuit protection and safety for portable tools 4—41671
King, N.S.P. *see* Yates, G.J. 4—37220
King, P. Power systems for ATE—the impact of the SMPS 4—50933
King, R.A. *see* Kwabwe, A.S. 4—60230
King, R.A. *see* Nasrabadi, N.M. 4—53354, 4—60234
King, R.D., Park, J.N., Saj, C.F., Szczesny, P.M. A microcomputer controlled hybrid vehicle with on-board battery charger 4—40566
King, R.J. *see* Downs, M.J. 4—51970
King, R.J. *see* Mathur, N.C. 4—59837
King, R.W.P. On the reflection of lateral electromagnetic waves from perpendicular boundaries 4—42834
King, R.W.P., Brown, M.F. Lateral electromagnetic waves along plane boundaries: a summarizing approach 4—37566
King, R.W.P. *see* Brown, M.F. 4—42835
King, R.W.P. *see* Shen, H.M. 4—31696, 4—33452
King, S. *see* Hyman, B. 4—62055
King, T.A. *see* Cefalas, A.C. 4—59440
King, T.A. *see* Gan Xu 4—37448, 4—42709, 4—52912
King, W.G. *see* Richards, B.P. 4—47337
King Tsu-Lung *see* Tsu-Lung King
Kinghorn, F.C. Flow measurement methods—past, present and future 4—55757
Kinghorn, J.R. Computer-controlled teletext 4—38247
Kingsley, P. Stopping DC motors: dynamics vs regenerative braking 4—34679
Kingsley, P. PCs and adjustable speed drives work well together 4—34966
Kingston, R.H. Signal correlation using a one-dimensional electroabsorptive CCD spatial light modulator 4—60203
Kinjo, M., Kondo, S., Nakamura, I. Small digital links for short- and medium-range optical-fiber transmission 4—60866
Kinkead, A.K. *see* Gold, S.H. 4—31274, 4—31275, 4—52835, 4—59382
Kinkeldey, R. Graphical planning aids using computer light technology [for lighting installations] 4—45745
Kinkhead, A.K. *see* Gold, S.H. 4—31279
Kinloch, C. Power to caravan sites 4—49590
Kinman, P., Katz, J., Gagliardi, R. Deep space optical communications experiment 4—48460
Kinnard, J.R. Power failure warning circuit 4—50951
Kinney, W.I., Lasky, J.B. Laser-addressable metal connections 4—52032
Kinnier, J.H. *see* Fang, P.H. 4—34891
Kinnison, W.W. A TPC spectrometer for measuring the e^+ spectrum in μ decay 4—33633
Kino, G.S., Baer, R. Theory for cross-coupling 4—56366
Kino, G.S. *see* Baer, R.L. 4—44928
Kino, G.S. *see* Brooks, J.L. 4—42380
Kino, G.S. *see* Fox, J.D. 4—56361
Kino, G.S. *see* Jungerman, R.L. 4—46270, 4—50870, 4—56367
Kino, G.S. *see* Peterson, D.K. 4—46271
Kino, G.S. *see* Risk, W.P. 4—52580
Kino, I. A computational algorithm for mixed queueing networks 4—53339
Kino, Y. *see* Oshima, M. 4—31391
Kinoshita, H. *see* Kanai, M. 4—58942
Kinoshita, J. *see* Hirayama, Y. 4—42630
Kinoshita, J. *see* Uematsu, Y. 4—53014
Kinoshita, K., Inuzuka, E., Takiguchi, Y., Okada, H., Suzuki, K., Hayashi, I., Tsuchiya, Y., Oba, K., Medecki, H., Stradling, G.L. Demountable photocathode X-ray streak camera 4—61735
Kinoshita, K., Juroda, T. Refresh memory construction methods using large scale integrated dynamic memory 4—58977
Kinoshita, K., Sugii, K. Vapor-melt-solid mechanism of $Pb_{1-x}Sn_xTe$ single crystal growth 4—35459
Kinoshita, K. *see* Saito, K. 4—51718
Kinoshita, K. *see* Takamatsu, Y. 4—58272
Kinoshita, M. *see* Mizoguchi, R. 4—59959
Kinoshita, S., Kawamura, T. The development of a beryllium ribbon tweeter having wide frequency range, high efficiency and high power handling capacity 4—44353
Kinoshita, S. *see* Tanaka, H. 4—39566
Kinoshita, T. Standardization of electromagnetic interference test methods in process measurement and control systems 4—31700
Kinoshita, T. *see* Mochida, Y. 4—32534
Kinoshita, Y., Kimura, Y., Watanabe, N. Computerized surveillance test guide system for BWR power plant 4—34349
Kinoshita, Y., Nakagoshi, A., Kojima, H., Hikita, M. High power SAW filter for antenna duplexer 4—52399
Kinoshita, Y. *see* Hikita, M. 4—42211, 4—52398
Kinsbron, E., Lynch, W.T. Source and drain junctions by oxidizing arsenic doped polysilicon 4—36443
Kinter, T.M. *see* Gilbert, B.K. 4—29986, 4—53585
Kintigh, D.W., Niblack, W.K. High power 2.9 GHz switch 4—58515
Kintz, R.T. A portable, solid-state anomaloscope 4—33803
Kinugasa, S. Computer control system for small-scale hydroelectric power generating equipment 4—45330
Kipperman, A.H.M. *see* Straayer, A. 4—31244
Kipperman, A.H.M. *see* van Beek, F.M. 4—34938
Kipriyanov, N.Ya., Sivko, B.M. Resource conservation technology in production of printed circuit boards 4—51643
Kirby, A. *see* Stewart, B. 4—38316
Kirby, H.W., Sheehan, W.E. Determination of ^{238}Pu and ^{241}Am in ^{239}Pu by alpha-spectrometry 4—56020
Kirby, P. A flexible approach to chip carrier mounting 4—51630
Kirchgassner, G. The demand for electricity in NE Switzerland until the year 2000 4—44954
Kirchhoff, G., Six, H., Lamsa, A. Application of the microprocessor system MPS 4944 for the analysis of burst-signals of the sound emission 4—44409
Kirchner, D. Precision timekeeping at the Observatory Lustbuhel, Graz, Austria 4—39332
Kirchner, M. *see* Antolini, R. 4—49253
Kirchner, P.D., Woodall, J.M., Wright, S.L. Source nozzle for molecular beam epitaxy 4—50775
Kirchner, P.D. *see* Pettit, G.D. 4—50766
Kirchoefer, S.W., Magno, R., Comas, J. Negative differential resistance at 300K in a superlattice quantum state transfer device 4—41861
Kireev, N.N., Semenikhin, N.I. The problem of automatic lighting control in buildings 4—50214
Kireev, O.A., Levinshtein, M.E., Rumjantsev, S.L. Anode domain transient processes in supercritical Gunn diodes 4—36055
Kirianaki, N.V., Gaiduchok, R.M., Tkachenko, A.N., Yatmanov, B.A., Tsukornik, G.V., Deinega, V.P. A unified tachometric complex 4—44454
Kirianiki, N.V., Deinega, V.P., Berezyuk, B.M., Surikov, P.V., Fedorchuk, V.A., Romashin, S.V., Neiko, A.V. Frequency measurement with microprocessor 4—55685
Kirichenko, G.B. *see* Maksimov, V.I. 4—39073
Kirichuk, V.S. *see* Ivanov, V.A. 4—43444
Kiricka, K. *see* Vrba, J. 4—44739
Kirihara, A. *see* Nishikawa, M. 4—47194
Kirilenko, A.V., Kiselev, V.A. Use of the method of subcircuits in the simulation and optimization of measuring transducers 4—55444
Kirillov, S.N. A method of increasing the time resolving power for signals with limited bandwidth 4—53345
Kirillov, V.V., Panovko, M.Ya., Semenov, V.D., Sokolov, Yu.N. Current-collecting segments of diagonal MHD generator in U-25B plant 4—62711
Kirillova, N.V. *see* Berkovskaya, K.F. 4—55493
Kirilyuk, G.A. *see* Yuzvenko, Yu.A. 4—35068
Kirimoto, M. *see* Iwata, H. 4—54201
Kirita, K. *see* Kato, Y. 4—36375
Kirk, A. Performance of compact hydrogen masers 4—37250
Kirk, B. *see* Mehta, S. 4—58991
Kirk, J.P., Kolb, G.A., Su, L.S. Cross-correlation of mask and wafer for alignment and process control 4—41935
Kirk, M.A. *see* Egusa, S. 4—36953
Kirk, R.E. *see* Peal, K.R. 4—33971
Kirkbright, G.F., Miller, R.M., Rzadkiewicz, A. A low-cost laboratory thermal wave imaging system 4—46266
Kirkham, H., Das, R. Effects of voltage control in utility interactive dispersed storage and generation systems 4—62175
Kirkman, D.H. *see* Golledge, I. 4—44563
Kirkman, D.H. *see* Golledge, I.C. 4—55594
Kirkman, G.F. *see* Bohlander, R.A. 4—37593, 4—44917
Kirkman, G.F. *see* McMillan, R.W. 4—44918
Kirkpatrick, A.R. Ionized cluster beam deposition 4—50805
Kirkpatrick, A.T. Solar energy collection and storage with carbon-gypsum composites 4—50838
Kirkpatrick, C., O'Brien, R.R. F-15 readiness—the maintainability contribution [aircraft weapons system] 4—49350
Kirkpatrick, C.G., Chen, R.T., Holmes, D.E., Elliott, K.R., Asbeck, P.M. Substrate materials for GaAs integrated circuits 4—50796
Kirkpatrick, C.G. *see* Chang, M.F. 4—36262, 4—52274
Kirkpatrick, C.G. *see* Lee, S.J. 4—29881
Kirkpatrick, E.S. *see* Chi, C.C. 4—55408
Kirlin, R.L. *see* Bradley, J.N. 4—31959
Kirnarskaya, K.A. Cost indices in a departmental control system 4—57760
Kirol, L.D., Mills, J.I. Numerical analysis of thermomagnetic generators 4—57373
Kirov, M.R. *see* Adursky, I.S. 4—48700
Kirovskaya, I.A., Shtabnova, V.L., Votyakova, I.V. Study of the surface of electrolytically oxidized indium antimonide 4—58872
Kirpich, A. Strategies for improving communication satellite power system reliability 4—39665
Kirpichnikov, V.A. *see* Vorob'ev, A.S. 4—57297
Kirpikova, I.L. *see* Arzamastsev, D.A. 4—56585
Kirsch, H., Schesonka, I., Bergemann, L., Poschl, A. Dose measurement using digital alarm dose meters at the Gundremmingen nuclear power plant 4—39617
Kirsch-De Mesmaeker, A. *see* Dewitt, R. 4—51918
Kirschen, D., Novotny, D.W., Suwanwisoot, W. Minimizing induction motor losses by excitation control in variable frequency drives 4—57041
Kirschenbaum, J., Fairbanks, C. The effects of amendment 5 on MIL-P-55110C with emphasis on acceptability 4—46727
Kirschning, M. Computer aided optimization of equivalent circuits of symmetrical 90° microstrip bends on the basis of resonance measurements 4—36011
Kirshner, D., Giorsetto, P. Statistical tests of energy savings due to voltage reduction 4—56591
Kirshov, V.A. *see* Bokun, L.I. 4—34006
Kirshtein, G.Kh. *see* Timofeev, V.A. 4—61586
Kirste, H.H. *see* Brosch, P.F. 4—49953
Kirstein, P.T. The DARPA Atlantic packet satellite experiment and its development 4—38582
Kirsteins, I. *see* Tufts, D.W. 4—37965, 4—53584
Kirtland, J.A., Havener, R. Sophisticated data acquisition system used in power generating plants 4—61281
Kirtley, J.R. *see* DiMaria, D.J. 4—52812
Kirton, A.J., Klein, R.D. Double-side floppy disk radial inspection 4—52459
Kirton, P.A. The data communications Transport Service and Protocols 4—47929
Kirvan, P.F. Designing a telephone equipment room 4—54510
Kirwan, A. *see* Twin, P.J. 4—49100

Kiryu, T., Watabe, K., Ogawa, S. JALFEP system—Japan Air Lines front end processor system 4—54379
Kiryukhin, A.D. *see* Bykovskii, Yu.A. 4—51768
Kiryukhin, V.P. *see* Akishin, A.I. 4—58673
Kiryukhin, Yu.B. *see* Baranov, V.Yu. 4—42557
Kiryukhin, Yu.I. *see* Zolotov, A.V. 4—39315
Kirzhanovskii, V.I. *see* Shendakov, A.I. 4—51693
Kirzhanovskii, V.I. *see* Vorob'ev, A.S. 4—57297
Kisdnasamy, S., Neelakantaswamy, P.S. Complex permittivity of a dielectric mixture: modified Fricke's formula based on logarithmic law of mixing 4—30819
Kiselev, A.P. Modulated Gaussian beams 4—42772
Kiselev, P.V., Khodzhaev, K.Sh. Non-stationary behaviour equations of a synchronous generator supplying a load across a rectifier 4—45415
Kiselev, P.V., Khodzhaev, Sh. Equations for the non-steady-state of a synchronous generator feeding a load through a rectifier 4—45407
Kiselev, P.V., Lev, O.M., Khodzhaev, K.Sh. Asymptotic separation of synchronous machine transients 4—62504
Kiselev, V.A. *see* Kirilenko, A.V. 4—55444
Kiselev, V.I., Sultanaev, R.M. Apparatus for measuring tan δ and ϵ for insulators 4—55641
Kiselev, V.I. *see* Tokarev, B.F. 4—34687
Kiselev, V.M. *see* Bobrov, B.D. 4—31323
Kiselev, V.P. *see* Bobrovskii, A.N. 4—42558
Kiseleva, V.Ya. *see* Stognii, B.S. 4—51571
Kiselevskii, A.L. *see* Bashkin, A.S. 4—42551
Kish, J. *see* Fette, B. 4—60554
Kishi, G.T. *see* Frohlich, J.G. 4—58623
Kishi, M. A proposal of isomorphic emphasis spectrum inversion for encryption transmission system 4—43132
Kishi, M. An illustrative scheme for isomorphic emphasis spectrum scramble encryption 4—48387
Kishi, S., Asaoka, H., Imai, I., Yokoyama, T. Development of glass delay line for high frequency mode wave 4—30924
Kishi, S. *see* Souda, H. 4—32809
Kishi, Y. *see* Ueda, O. 4—58022
Kishi, Y. *see* Yasuda, K. 4—37215
Kishida, S. *see* Morishige, Y. 4—37345
Kishida, S. *see* Naruke, Y. 4—36583
Kishida, S. *see* Uchida, Y. 4—44434
Kishida, S. *see* Yokoyama, H. 4—29503
Kishida, Y., Murakami, Y., Washino, H. The INFRA-EYE 160/560 thermography system 4—33154
Kishima, A. *see* Okamura, K. 4—52447
Kishima, A. *see* Okumura, K. 4—46312, 4—58192
Kishimoto, A., Mori, K., Takahashi, S., Kawanishi, H. A logic function extraction algorithm for MOS VLSI 4—36776
Kishimoto, A. *see* Matsuzawa, T. 4—30722
Kishimoto, H. *see* Imai, S. 4—50238
Kishimoto, T., Sato, Y. Encoding method for handwriting signals 4—38048
Kishimoto, T. *see* Akiyama, K. 4—38372
Kishimoto, Z., Lubzens, D., Miller, E., Overman, W., Pitchumani, V., Ramseyer, R., Rault, J. The intersection of VLSI and software engineering for testing and verification 4—52247
Kishimoto, Z., Son, K. Symbolic execution for VLSI design verification 4—51182
Kishino, K. *see* Suematsu, Y. 4—31399
Kishizima, I., Matsumoto, K., Watanabe, Y. New facilities for phase-to-phase switching impulse tests and some test results 4—56700
Kishk, A.A., Shafai, L., Ittipiboon, A. Improvement in radiation characteristics of coaxial feeds using a quarter-wavelength choke 4—41553
Kishk, A.A. *see* Shafai, L. 4—31800
Kislov, V.Ya. *see* Kalinin, V.I. 4—51711
Kislov, V.Ya. *see* Maksimov, N.A. 4—51030
Kislovski, A.S. On uninterruptible DC power supply systems 4—56539
Kislovskii, L.D. *see* Zdobnikov, A.Yu. 4—30515
Kislyunina, E.B. *see* Savkina, I.V. 4—47261
Kisner, M., Ladd, J. A new-generation video processor boosts resolution 4—51353
Kispeter, J. *see* Pelle, B. 4—52049
Kiss, A.Z. *see* Hunyadi, I. 4—33595
Kiss, B. Valuation of the standard insulation tests of small electric machines and apparatus 4—57089
Kiss, I. *see* Hunyadi, I. 4—33595
Kiss, I.L., Benko, I. Direct measurement of surface heat flow density 4—33522
Kiss, I.L. *see* Faludi, A. 4—33524
Kiss, J. Remote control system of ORION CTV 1656 TV-set 4—54973
Kissam, T.E. *see* Heacock, F.A., Jr. 4—49769
Kisslinger, J. *see* Brossmann, U. 4—47230
Kist, R. Assessment of metrological parameters by means of fiber-optic sensors 4—48889
Kist, R., Kersten, R.Th. Fiber and integrated optical monomode sensors. A review 4—31103
Kist, R. *see* Wolfelschneider, H. 4—52957
Kistemaker, J. *see* Granneman, E.H.A. 4—61609
Kistova, E.M., Konstantinova, M.A., Likholetov, A.N., Morozova, G.G., Nechaev, V.V., Rakov, V.V. Growth of epitaxial films of $Pb_{1-x}Sn_xTe$ solid solutions with an assigned type of variation of the composition along the growth surface 4—41050
Kisza, M., Maternia, Z., Radzimski, Z. Backscattering of electrons from complex structures 4—30499
Kita, K. *see* Shibata, A. 4—30647
Kita, T. *see* Ohara, S. 4—52462
Kita, Y. *see* Tsukada, T. 4—41413, 4—58403
Kitabatake, A. *see* Chihara, K. 4—49184
Kitagawa, H. Electrical properties of tellurium thin films evaporated onto single crystal NaCl 4—30129
Kitagawa, H., Nakajima, M. Measurement of surface gradient from varying irradiance 4—55778
Kitagawa, H. *see* Ohki, T. 4—61479
Kitagawa, K. A cause of misalignment failure of liquid crystal display devices 4—55609
Kitagawa, K. *see* Matsunaga, M. 4—34831
Kitagawa, M. *see* Chiba, A. 4—50450
Kitagawa, M. *see* Kumagai, S. 4—29360
Kitagawa, T. *see* Hasegawa, H. 4—30732, 4—46863
Kitagawa, T. *see* Shibata, S. 4—44551
Kitagawa, Y. *see* Hayashi, A. 4—33277, 4—44500, 4—47288, 4—61262
Kitagiri, T. Boltless segment and its automatic lining apparatus for small diameter tunneling method 4—40679
Kitahara, K., Ozeki, M., Shibatomi, A. Optical observation of inhomogeneity of chromium-doped semi-insulating GaAs 4—30318
Kitahara, K. *see* Nakai, K. 4—41963
Kitahara, S. *see* Nishikado, I. 4—54041
Kitahara, Y. Information Network System—telecommunications in the twenty-first century 4—38149
Kitahara, Y. *see* Kyuzaki, T. 4—60669
Kitahata, S. *see* Sumiya, K. 4—30967
Kitahori, R. *see* Harashima, F. 4—34776
Kitai, A.H., Wolga, G.J. Two-color thin-film electroluminescence with spatially selective activator doping 4—52813
Kitaji, S. *see* Ishizuka, S. 4—32811
Kitajima, F. *see* Takamizawa, K. 4—52212
Kitajima, H., Shimono, T., Makino, K. Operational principles of synthetic aperture imaging radars 4—33964
Kitami, Y. *see* Bando, Y. 4—51726
Kitamura, A., Hirota, T., Kontani, T., Yamaguchi, T. Remote and mobile access applications of public digital telephone switching system 4—32573
Kitamura, A., Kondo, T., Minato, A., Yoshida, Y., Tsuzuki, K., Iida, K. Evolution plans for the NEAX61 local digital central office switching system toward ISDN 4—32615
Kitamura, A., Kondo, T., Minato, A., Yosida, Y., Iwasaki, S. Evolutionary plan toward ISDN for an existing digital switching system 4—60624
Kitamura, A., Shimojo, Y. How a system centralizes scarce operations and maintenance resources 4—38412
Kitamura, H., Hosokawa, Y., Fukazawa, K. Characteristics improvement of induction motor driving system by the current source type input-commutated PWM inverter 4—40325
Kitamura, K. *see* Kimura, S. 4—35463
Kitamura, K. *see* Kojima, S. 4—57603
Kitamura, M., Seki, M., Yamaguchi, M., Mito, I., Murata, S., Kobayashi, K. Single-longitudinal-mode 1.3 μm DFB-DC-PBH diodes 4—52993
Kitamura, M., Yamaguchi, M., Murata, S., Mito, I., Kobayashi, K. Low-threshold and high-temperature single-longitudinal-mode operation of 1.55 μm-band DFB-DC-PBH LDs 4—47460
Kitamura, M. *see* Mito, I. 4—31376
Kitamura, M. *see* Shikada, M. 4—54810
Kitamura, S. *see* Oku, H. 4—29903
Kitamura, T., Imamura, S., Yamaji, K. Photomasking film using phthalocyanine electrophotographic layer 4—31214
Kitamura, T. *see* Kuwabara, T. 4—46656
Kitamura, T. *see* Nakamura, I. 4—61711
Kitamura, Y., Hirabayashi, S. Change of internal partial discharge on epoxy resin during voltage endurance test 4—52322
Kitamura, Y. *see* Kaji, Y. 4—58424
Kitamura, Y. *see* Masuda, S. 4—58408
Kitano, Y. *see* Fukuda, Y. 4—46976
Kitaoka, K. *see* Takagi, A. 4—43273
Kitatani, K. *see* Okamura, Y. 4—52702
Kitaura, Y. *see* Terada, T. 4—30730
Kitawaki, N., Itoh, K., Kakehi, K. Quantization and circuit noise evaluation for digital telephony network 4—38418
Kitawaki, N. *see* Hayashi, S. 4—47810, 4—53407
Kitawaki, N. *see* Itoh, K. 4—53476
Kitayama, K. *see* Ohashi, M. 4—47242
Kitayama, K.-i. *see* Ohashi, M. 4—52578
Kitayama, K.-i. *see* Tanaka, C. 4—38624
Kitayama, Y., Tanaka, S. Effective cutoff wavelength of single-mode fiber 4—52658
Kitaymaa, T. *see* Mizuno, T. 4—60427
Kitazawa, H. *see* Kasai, R. 4—51166
Kitazawa, H. *see* Ueda, K. 4—52264
Kitazawa, I., Nishi, S. Single-mode-fiber core alignment by the focusing method 4—52647
Kitazawa, S., Doshita, S. Discrimination of Japanese voiceless stop consonants by burst spectrum 4—53470
Kitazawa, T., Hayashi, Y., Fujita, K., Mukaihara, H. Analysis of broadside-coupled strip lines with anisotropic substrate 4—47644
Kitazawa, T., Honma, S., Mochimaru, H. Standard radiowave frequency facilities 4—33421
Kitazawa, T., Mittra, R. An investigation of striplines and fin lines with periodic stubs 4—53257
Kitchen, G.H. Standby power maintenance program gives power availability and provides substantial savings 4—45939
Kitchen, J. Test case—eliminating erratic μP operation during voltage dips 4—35622
Kitchen, J.A. *see* Borley, D.R. 4—38641
Kitchen, L., Rosenfeld, A. Scene analysis using region-based constraint filtering 4—32041
Kitchen, W.J., Jr. VHSIC/VLSI capabilities for DOD? 4—30674
Kitlinski, M. Coplanar, strip- and slot-like waveguide structures 4—37696
Kito, Y., Sakuta, T., Kurono, M. Decaying processes of temperature and copper vapor concentration toward current zero in the alternative current arc 4—57240
Kito, Y. *see* Sakakibara, T. 4—39879
Kitoak, N. *see* Takano, Y. 4—30354
Kitson, B., Laws, D., Miller, W. Logic module combines PAL- and gate array techniques 4—35735
Kitson, B., Ow-Wing, K. Logic-programming language enriches design processes [programmable CAD] 4—29767
Kittaka, M. *see* Kawamata, T. 4—42262
Kittel, L. Applications of the Viterbi algorithm to error control coding design 4—43194
Kittler, J., Foglein, J. Contextual classification of multispectral pixel data 4—47896
Kittler, J. *see* Paler, K. 4—51668, 4—60215
Kittler, M. *see* Bugiel, E. 4—51758
Kitzen, W.J.W., Boers, P.M. Applications of a digital audio-signal processor in TV sets 4—53720
Kiuchi, E. *see* Sekine, M. 4—53633
Kiuchi, H. *see* Saburi, Y. 4—44198
Kiuchi, K., Yanagibashi, M. Operating life of aluminum electrolytic capacitor 4—51570
Kiuchi, M. *see* Nagaoka, S. 4—34202
Kiuchi, Y. *see* Sakusabe, T. 4—46772, 4—46773
Kiya, K., Hayashi, T. Direct current method for extremely weak optical signal detection using avalanche photodiodes 4—59346
Kiyak, S.G. *see* Akhromenko, Yu.G. 4—31456
Kiyohara, T. *see* Matsuda, J. 4—32053
Kiyohiro, N. *see* Kazuno, H. 4—56996
Kiyono, H. *see* Imura, T. 4—29515
Kizilov, V.U., Smilyanskii, I.I. Analysis of the procedure error in time-pulse multipliers with pulse-width and amplitude modulation during transformation of polyharmonic signals 4—31829
Kjelberg, I. *see* Behn, R. 4—42563
Kjonigsen, J. *see* Johansen, A. 4—60565
Kjorvel, A. *see* Curzon, F.L. 4—42441
Kjurktchiev, T. *see* Kerin, T. 4—56117
Klaasen, K.P., Clary, M.C., Janesick, J.R. Charge-coupled device television camera for NASA's Galileo mission to Jupiter 4—48589
Klabes, R., Matthai, J., Voelskow, M., Wieser, E., Erben, J.-W., Scharff, W., Weissmantel, C. Epitaxial regrowth of amorphous or polycrystalline silicon layers on silicon single crystals and bridging epitaxy by flash lamp irradiation 4—35494
Klabes, R. *see* Kachurin, G.A. 4—41969
Klabes, R. *see* Scharff, W. 4—29512, 4—41061
Klages, C.-P., Tolksdorf, W., Kumpat, G. The influence of excess iron oxide on the solubility of yttrium iron garnet and its growth kinetics on (111) substrates 4—35465
Klages, C.-P. *see* Krumme, J.-P. 4—37002
Klahn, D. A low-noise preamplifier for 1.7 GHz with improved input match 4—41599
Klamka, J. Microwave bipolar junction transistors—present state and development trends 4—30090
Klapholz, J. Seeing what you hear [FFT analyser] 4—33001
Klapholz, J. Seeing what you hear. II 4—33546
Klapholz, J. Testing...one, two, three [loudspeakers] 4—44310
Klapholz, J. C-duced [vibration transducer system for audio equipment] 4—55083
Klapisch, R. Status of CERN programme in relativistic ion physics 4—39377
Klarowski, H.J. *see* Milde, W. 4—32488
Klasche, G. Optical waveguides in coal mining 4—37099
Klassen, N.V. *see* Bronnikov, A.D. 4—59561
Klassen, V.I. *see* Kinber, B.E. 4—42955
Klassen, V.I. *see* Vasil'yev, A.V. 4—40162

Klatskin, J.B. 1.5 W 11-17 GHz GaAs MESFET power amplifier utilising lumped-element matching techniques 4−46618
Klatt, K. *see* Baierl, R. 4−41231
Klaus, G. *see* Hafner, C. 4−37517
Klautschek, H. *see* Heinle, G. 4−57399
Klauw, C.L.M.van der *see* van der Klauw, C.L.M.
Klauz, S.A., Kul'kova, L.I. On a method of routing in a network of common signaling channels 4−60280
Kldiashvili, V.I. Protection of a thyristor pulse generator for the machining of metals by electro-erosion 4−49958
Klebanov, I.Ya. *see* Frukhtman, M.L. 4−33431
Kleckner, J.E. *see* Saleh, R.A. 4−36775
Kleemann, B. *see* Guther, R. 4−53105
Kleer, G. *see* Schmitt, H. 4−30847
Klees, J.E. *see* Witteman, C. 4−62287
Kleiber, H., Knoppik, N., Vogel, H. System 4000 navigation aids 4−38702
Kleijnen, J.P.C. Risk analysis and sensitivity analysis: antithesis or synthesis? 4−29346
Kleikamp, B.M.H.H., Witteman, W.J. High energy extraction of electron beam pumped KrF lasers at multi atmospheres 4−31317
Kleikamp, B.M.H.H. *see* Witteman, W.J. 4−31308
Klein, A.J. Generalizing the *L*-fuzzy unit interval 4−40946
Klein, D. Additional telephone facilities today and tomorrow 4−38348
Klein, D.L., Leary-Renick, P.A., Srinivasan, R. Ablative photodecomposition process for repair of line shorts [using UV laser] 4−30222
Klein, F. Improving the execution speed of various image processing operations through the use of a digital video processor 4−53871
Klein, F. *see* Egeli, E. 4−53869
Klein, H., Schempp, A., Hauser, J., Muller, E., Rohrbach, W., Walther, D., Weis, T., Bethge, K., Baumann, H., Meinel, K. Upgrading of the single ended 7 MV Van de Graaff accelerator in Frankfurt 4−33599
Klein, H. *see* Granneman, E.H.A. 4−61609
Klein, H. *see* Jursitzka, K. 4−40310
Klein, H. *see* Muller, E 4−55793
Klein, H.-H., Heisig, R., Augustine, C.M. Use of refrigerator-cooled cryopumps in sputtering plants 4−41080
Klein, J., Koerner, T., Rippel, W., Kalbach, J. Requirements for a transformerless power conditioning subsystem 4−62454
Klein, J.-C. *see* Lay, B. 4−53829
Klein, J.P. *see* Goloubkoff, M. 4−52284
Klein, L. *see* Brandel, D.L. 4−53196
Klein, L.K. Industrial automation through distributed control 4−60366
Klein, M. Low-pass filter responds to software control 4−30015
Klein, M. Modems: the next generation 4−54479
Klein, M.B. Beam coupling undoped GaAs at 1.06 μm using the photorefractive effect 4−53078
Klein, M.B. *see* Valley, G.C. 4−42319
Klein, M.V. *see* Fischer, R. 4−29478, 4−52987
Klein, M.V. *see* Masselink, W.T. 4−51816
Klein, P. *see* Anderson, L. 4−55989
Klein, R.D. Single chip computer: Developed for a low budget 4−35840
Klein, R.D., Arendt, J. Microelectronics on television. III 4−35161
Klein, R.D. *see* Kirton, A.J. 4−52459
Klein, R.-D. Interface to the analogue world 4−58396
Klein, U. *see* Grundey, T. 4−55787
Klein, W. *see* Berger, R. 4−29867
Klein, W. *see* Heimeier, H. 4−29866, 4−29870
Klein, W. *see* Keinert, J. 4−58485
Klein-Szymanska, B. *see* Drajeva, L.I. 4−41919
Kleinberg, A.Ya. *see* Brikman, M.S. 4−58100
Kleinbloesenn, B.A. Decentralized power generation in the Netherlands 4−45376
Kleindienst, P. One case for two? [Universal logic analyser] 4−44464
Kleindienst, P. Logic tester with multi-functional capability 4−48800
Kleine, U. Design of wave-SC filters using building blocks 4−35946
Kleine, U., Hosticka, B.J., Wieja, T. Novel programmable wave-SC filter structure for pole-zero modelling of vocal tract 4−53454
Kleine, U. *see* Bruchmann, D. 4−51410
Kleine, U. *see* Hosticka, B.J. 4−46561, 4−51050
Kleinemeier, B. Unidimensional converters deliver two-dimensional images 4−61260
Kleinman, D.L., Alexandridis, M.G., Entin, E.E. Modeling human decisionmaking in emergency state power distribution 4−34085
Kleinman, H. *see* Gover, A. 4−52842
Kleinmichel, G. Digital signal generation by microcomputer 4−48914
Kleinrock, L., Akavia, G.Y. On a self-adjusting capability of random access networks 4−32089
Kleinrock, L. *see* Gerla, M. 4−32124
Kleinrock, L. *see* Nelson, R. 4−53965
Kleinrock, L. *see* Takagi, H. 4−38118, 4−47933
Kleinsasser, A.W. Reactive metal contact diffusion barrier 4−51576
Kleinsasser, A.W. Improved wiring test site yield [for Josephson ICs] 4−52496
Kleinsteuber, R. *see* Haunreiter, H. 4−60952
Kleissen, G.J. *see* Spaanenburg, L. 4−51186
Kleitman, D.J. *see* Assmann, S.F. 4−50649
Klem, J., Fischer, R., Masselink, W.T., Kopp, W., Morkoc, H. $GaAs/GaAs_{1-y}Sb_y$ superlattice light emitting diodes 4−47358
Klem, J. *see* Arnold, D. 4−36575, 4−36601
Klem, J. *see* Fischer, R. 4−29478, 4−52101, 4−52987
Klem, J. *see* Lee, K. 4−36309
Klem, J. *see* Masselink, W.T. 4−58767
Klem, J. *see* Nathan, M.I. 4−51817
Klema, J. *see* Eachus, J. 4−35778
Klemberg-Sapieha, J. *see* Sacher, E. 4−35506
Klement, E. *see* Keil, R. 4−52554
Klement'ev, V.M. *see* Zakhar'yash, V.F. 4−52916
Klementov, A.D. *see* Buchnev, V.M. 4−37309
Klemer, D.P., Sharpe, C.B. On the determination of the terminal impedances of a nonuniform transmission line 4−31714
Klempel, D.D. *see* Lauby, M.G. 4−62135
Klemperer, D.F. *see* Field, D. 4−42009
Klemt, A. Optical sensor system in grey-scale picture technique 4−33199
Klenov, G.E., Lyakhova, N.V., Polyakov, A.V. How screens near the anode influence the potential distribution in electrochemical corrosion protection of metals 4−35513
Kleparski, V.G. *see* Pinter, I. 4−37003
Kleperis, J.J. *see* Lusis, A.R. 4−59273
Klepikov, V.B. *see* Gerodes, G.A. 4−62720
Klepka, P.K. Comparison of several ways of calculating the electromagnetic field in electrical machines 4−40193
Klepka, P.K. Comparison of methods for electric machine electromagnetic field analysis 4−45413
Klepko, R. A programmable multi-channel FIR digital filter 4−30033
Klepov, A.P. *see* Gorbuntsov, A.F. 4−45484
Kleppner, D. Optics for a spin-polarized hydrogen atomic beam 4−61620
Kletecka, Z. Aims of research activities of Central Research Institute of SKODA, Concern Corporation, Plzen 4−50409
Klevar, V. *see* Fucik, I. 4−62541
Klevitskii, V.A. On the colouring of busbars in electrical installations 4−39759
Klevtsov, S.V., Yakobson, M.M. High-speed sampling-storage device 4−61317
Klewer, M., Vernooij, B. The 68000 microprocessor design philosophy 4−58369
Klich, D.J. *see* Kayran, A.H. 4−53682
Klie, H. Practical application of robotic arc welding and cutting 4−57644
Kliem, H., Arlt, G. Transient reversible currents in MAOS structures 4−30459
Kliem, H., Dederichs, H. Dielectric measuring method at ultralow frequencies using a transient recorder 4−48997
Kligene, N., Tel'ksnis, L. Methods of detecting instants of change of random process properties 4−46104
Klikos, M., Morozovic, K., Rous, Z. A workplace for testing the resistance of telecommunication equipment against overvoltage and overcurrent according to the CSN 334000 standard 4−60345
Klima, J. Pulsation torques of an inverter supplied induction machine 4−40243
Klimachev, K.G. *see* Gostyukhin, V.L. 4−42916
Klimakov, A.P., Ashitkov, V.D. Analog commutator with reed relays 4−34814
Kliman, G.B. *see* Plunkett, A.B. 4−57419
Klimanis, V.D. *see* Bellis, R.F. 4−29865, 4−34222
Klimaszewski, P. Digital video tape recorders 4−61087
Klimek, D. *see* Mandl, A. 4−42528
Klimek, D.E. The effect of triplet quenchers on vapor-phase dye-laser performance 4−42577
Klimenko, G.K. *see* Markova, V.N. 4−36265
Klimenko, I.S., Ryabukho, V.P., Feduleev, B.V. Separation of information on different forms of motion in holographic interferometry based on spatial filtering 4−31514
Klimenko, I.S., Ryabukho, V.P., Feduleev, B.V., Lokhova, N.V. Some features of holographic and speckle interferograms produced by recording the object light field in the Fourier plane 4−47526
Klimenko, V.F. *see* Maier, V.Ya. 4−39863, 4−45063
Klimenko, V.I. *see* Aleinikov, V.S. 4−44776
Klimenko, Yu.M., Subbotin, Yu.N., Fursin, G.I. On the possibility of using plasma coupling for synchronizing self-excited oscillators 4−46373
Kliment, M. *see* Edington, D. 4−58291
Klimes, J. *see* Oravec, J. 4−61061
Klimov, A.E., Neizvestnyi, I.G., Shumskii, V.N. Excess noise in $Pb_{1-x}Sn_xTe$ diodes and its relationship to the current-voltage characteristics 4−30599
Klimov, I.Z., Tsyrkin, V.N., Fomin, A.M. Device to analyze the duration and period of pulse sequences 4−55193
Klimov, N.Z. *see* Rudnitskii, L.M. 4−59706
Klimov, S.P. *see* Vovk, A.E. 4−55775
Klimova, N.S. *see* Treshchev, I.I. 4−50168
Klimovich, S.U. *see* Mirskii, G.Ya. 4−33356
Klimovskii, I.I. *see* Zayakin, A.A. 4−31326
Klincewicz, J.G., Whitt, W. On approximations for queues. II. Shape constraints 4−38116
Kline, G.R., Lakin, K.M. Composite thin film bulk acoustic wave resonators on GaAs 4−52361
Klinedinst, K.A. The lithium/sulfuryl chloride electrochemical cell 4−45595
Kling, D.R. *see* Montante, J.M. 4−58651
Kling, R. *see* Hayes-Roth, F. 4−50398
Klingelhofer, R. *see* Hagena, O.F. 4−44673
Klinger, J. Measurement of resonance frequencies 4−39259
Klinger, J.G. *see* Smyk, E.B. 4−40181
Klinger, L. *see* Kowalski, D.C. 4−52721
Klinger, R.J. NATEL−an advanced, field proved, wide area coverage VHF mobile telephone system with minimum infrastructure and overhead 4−32710
Klingerman, M.D., Severson, D.D., Wachtler, R.A. Ceramic-coated magnetic sample collector 4−42252
Klinglesmith, D.A., III *see* Weistrop, D. 4−61245
Klingman, D. *see* Glover, F. 4−50685
Klink, E. *see* Berger, R. 4−29867
Klink, E. *see* Heimeier, H. 4−29870
Klink, E. *see* Keinert, J. 4−30690, 4−58485
Klinken, J.van *see* van Klinken, J.
Klinkova, L.A., Babushkin, A.V., Dmitrieva, V.A., Martynenko, N.G. Growth of CdTe crystals from the vapor phase on a substrate out of contact with the capsule walls 4−58008
Klinkovsky, E. *see* Hanson, K. 4−54498
Klinkovsky, E.R., Serverin, W.A. A practical approach to the design, analysis, and sensitivity of switched capacitor biquads 4−41480
Klipstein, P.C. *see* Rocca, F.J. 4−41797
Klir, G.J. Possibilistic information theory 4−53363
Klir, G.J. *see* Higashi, M. 4−31815, 4−46118
Klische, W. *see* Weiss, C.O. 4−47420, 4−59438
Klistorin, I.F. *see* Borshchevich, V.I. 4−29753
Klitzing, K.von *see* von Klitzing, K.
Kljajic, M. *see* Malezic, M. 4−56197
Klobuchar, J.A. *see* Soicher, H. 4−47618
Kloc, K., Zdanowicz, W. Growth and morphology of Zn_3P_2, Cd_3P_2 and Cd_3As_2 crystals 4−41039
Klochay, I.F. *see* Budagyan, I.F. 4−42893
Klochko, V.A. *see* Gusev, E.A. 4−49082
Klockow, D.H. Expanding hybrid circuits through thick and thin 4−41737
Kloepfer, J. Method of measuring the circuit board temperature during drilling 4−30188
Kloeppel, F.W., Mensing, H.H., Schelter, I., Storch, H. Planning and design of transmission and distribution systems for electric power to developing countries 4−34111
Kloeppel, F.W., Pothkow, U. Functional evaluation of supply reliability of infeeds from the public supply to consumer complexes 4−49591
Kloeppel, F.W., Schmidt, E. Experience gained with above-ground cable routes in the GDR 4−45126
Kloeppel, P.K. *see* Jones, C.M. 4−33558
Klokov, V.V., Sadykov, Z.B., Khairutdinov, R.M., Shishkina, T.V. Investigation of electro-chemical treatment of a surface bearing a layer of photoresist 4−40648
Kloss, A. Interaction between a controlled current rectifier drive and the feeding network 4−57158
Klouda, V. Universal transistor relay of the BX-UPa-J type 4−51584
Klove, T. The probability of undetected error when a code is used for error correction and detection 4−43107
Klove, T., Miller, M. The detection of errors after error-correction decoding 4−43166
Klove, T., Miller, M. The detection of errors after error-correction decoding 4−53388
Kluberg, L. *see* Anderson, L. 4−55989
Klueh, R.L. Dissimilar-metal weld failures in boiler tubing 4−34421
Kluge, H. Are there alternatives to conventional volume and flow measurement? 4−39357
Kluge, H.-J. The relationship between outside temperature and power consumption of electric storage heating systems 4−45765
Kluger, L.D. Ham radio operation: a not-so-amateur pastime 4−48378
Klundert, L.J.M.van de *see* van de Klundert, L.J.M.
Klupfel, W. Storing fast data rates with 'slow' memory devices 4−29846
Klupfel, W. Characteristics plotter. I. Curves on the picture screen for lab, instruction and demonstration purposes 4−61440
Kluszczynski, K., Miksiewicz, R. A general method of calculation of the single phase induction motors with capacitor 4−49887
Kluwe, A., Kobayashi, N., Scheer, H.C., Sehrig, G., Wagemann, H-G. Bench apparatus and measurements of IR-LED device parameters and test results 4−31251
Klyatskin, V.I., Yaroshchuk, I.O. Fluctuations of wave intensity in a one-dimensional randomly inhomogeneous medium. VI. Effect of a dividing boundary 4−42837

Klyatskin, V.I., Yaroshchuk, I.O. Fluctuations of intensity of a wave in randomly inhomogeneous medium. VII. Numerical modeling of wave propagation in a stochastic medium 4—59733
Klyuchko, V.I., Shcherbina, Yu.V., Malofei, O.P. A comparative analysis of cyclic synchronisation algorithms in low-quality radio links 4—43941
Klyuchko, V.I., Shcherbina, Yu.V., Malofei, O.P. Estimation of the noise stability for cyclic phasing of repeating self-synchronised codes 4—43943
Klyuchnik, I.I. Calibration of a pyroelectric peak power meter at microwaves 4—44603
Klyuchnikov, V.P. *see* Anukhin, A.I. 4—58756
Klyuev, V.V. *see* Gusev, E.A. 4—49082
Klyukin, L.M., Lyakhov, Yu.A. Recording microwave holograms in a liquid-crystal screen 4—53111
Klyukvin, A.B. *see* Baranov, O.B. 4—48989
Klyushin, A.I. *see* Alekhin, V.I. 4—44911
Kmet', A.I. *see* Khomenok, L.A. 4—55738
K.Moselund *see* Moselund K.
Knab, O.D., Frolov, V.D. Photostimulated generation of current oscillations in a semiconducting structure 4—30405
Knabe, G. Local control of heating systems [space heating] 4—57574
Knable, N. *see* Kalafus, R. 4—38719
Knaffl, B. *see* Hitz, P. 4—40596
Knapp, C. *see* Choe, D.HG. 4—42000
Knapp, D., Granacki, J., Parker, A. An expert synthesis system 4—36778
Knapp, J.A., Picraux, S.T., Wu, C.S., Lau, S.S. Erbium silicide formation using a line-source electron beam 4—30423
Knapp, J.P., Wall, L.A. Update on the proposed changes in the FCC rules governing ISM equipment 4—37647
Knapp, K.H. Digitally transmitted colour television: the fight for Megabits 4—38771
Knapp, K.H. Cylinder loudspeakers. 'Tubular listening' 4—38940
Knapp, K.H. New concepts in colour receiver design. III. Pressure creates counter-pressure 4—54964
Knapp, K.H. Race into a digital future [colour TV receiver]. II 4—61004
Knaus, I.B. Setting up the office 4—43508
Knayzev, A.D. Technical diagnostics of radioelectronic and other apparatus with respect to their electromagnetic compatibility parameters 4—32641
Kneale, B., Snashall, D. Project reports needs planning 4—40828
Knealey, C.W. *see* Barry, K.M. 4—61911
Knebusch, M. The push for speed in analog/digital conversion 4—29951
Knebusch, M. Shrinking circuit boards with surface-mount components 4—46712
Knebusch, M. Micro-controlled DC drives 4—57292
Knecht, L. *see* Beer, W. 4—49102
Knecht, R.W., Cicin-Sain, B. Ocean policy-making in a changing world 4—61984
Knechtli, R.C., Loo, R.Y., Kamath, G.S. High-efficiency GaAs solar cells 4—45633
Knedlik, C., Tippmann, H. Contacting problems in VLSI technology 4—36729
Knedlik, C. *see* Richter, A. 4—36494
Knedlik, C. *see* Tippmann, H. 4—36730
Knee, H.E. *see* Siegel, A.I. 4—62306
Kneissl, U. *see* Drexler, J. 4—39419
Knepley, J. *see* Brown, D. 4—32120
Knepp, D.L., Wittwer, L.A. Simulation of wide bandwidth signals that have propagated through random media 4—47605
Kneppek, G. Retrofitting of combustion control systems in grate fired steam generators 4—56823
Knepper, L.E. *see* Buscaglia, C.U. 4—29863
Knepper, R.W. *see* Johnson, T.A. 4—36651
Kneschke, T.A. Traction power augmentation of SEPTA's Wayne Junction converter station 4—50181
Knesel, W. *see* Newrock, R. 4—35876
Kneubuehl, F.K. *see* Broennimann, R. 4—37001
Kneubuhl, F.K., Gnepf, S., Preiswerk, H.P., Wildmann, D. Future infrared-laser particle accelerators 4—39388
Kneubuhl, F.K. *see* Gnepf, S. 4—42516, 4—59374
Kneubuhl, F.K. *see* Preiswerk, H.P. 4—42572
Kneubuhl, F.K. *see* Wildmann, D. 4—42574, 4—52898
Kneubuhl, F.K. *see* Zheng Xingshi 4—59417
Knezovic, N. *see* Raseta, M. 4—56940
Knibbs, K.E. Microtan clock switching for software tests 4—30045
Knight, A. LC oscillators with CMOS modules 4—35672
Knight, D.J.E. *see* Fan Xi-Sheng 4—52897
Knight, E. An investigation into the British Standard Sulphur Dioxide Test for contacts and connections 4—41646
Knight, J.A.G. Sensors for robots: the state of the art 4—55447
Knight, L. A transceiver for the HF bands. I 4—43988
Knight, L. A transceiver for the HF bands. II 4—48412
Knight, L. A transceiver for the HF bands. III 4—54644
Knight, L. A transceiver for the HF bands. IV 4—60657
Knight, P. *see* Bishop, A.E. 4—59773
Knight, P.L. *see* Barnett, S.M. 4—37248
Knight, S.E. *see* Badami, D.A. 4—36715
Knight, T. Network conversations 4—48033
Knights, C.J. *see* Butterfield, J.M. 4—62316
Knightson, K.G. *see* Jenkins, P.A. 4—60489, 4—60511
Knigin, P.I. *see* Aronov, D.A. 4—59313
Knip, J., Schoustra, S.A. Network analysis and network analysers. I. Aims, principles and meter configurations 4—44460
Knip, J., Schoustra, S.A. Network analysis and network analysers 4—44461
Knipe, C.D. *see* Mather, E.L. 4—54837
Knisley, J. Energy saving alternates to incandescent lamps 4—35029
Knisley, J. Stadium lighting boosts TV coverage 4—40590
Knisley, J. Sophisticated sensor systems enhances robot safety 4—40790
Knisley, J. Daylight, fluorescent dimming cut energy use 4—57525
Knisley, J.R. Computerized scheduling simplifies maintenance 4—45930
Knitter, H.-H. *see* Budtz-Jorgensen, C. 4—56011
Knlik, A.I. *see* Domanov, V.N. 4—49726
Knobbout, J.A. Absorption heat pump, state of the art and future development 4—35063
Knoblauch, A., Muller, W. Finite different solution of 3-dimensional eddy-current distributions 4—31587
Knoblich, D., Sieron, W.-R. The U4050D, U40098D, U4093D and U40511D CMOS circuits. I 4—30773
Knoblich, D., Sieron, W.-R. CMOS integrated circuits types U4050D, U40098D, U4093D and U40511D. II 4—30774
Knobloch, E. *see* Wiesenfeld, K. 4—31076
Knobloch, G., Meier, U., Butter, E. Phase equilibria in the GaAs-HCl-H_2 system 4—35488
Knobloch, J., Gunther, S. U224D static 4K bit memory using CMOS technology 4—58331
Knobloch, J., Wahl, W., Baumgart, K. Static 4-Kbit memory U 2140 4—51224
Knoche, K.F., Hasberg, W., Roth, M. Possibilities of improving the efficiency of power generation with regard to electrolytic water splitting 4—56752
Knoedler, R. Calorimetric determination of the heat generation rate of sodium-sulfur cells during discharge and charge 4—50038
Knoerdel, J.E., Pierce, R. Description of text structures defined for office document interchange 4—32175
Knoernschild, G.F. *see* Blank, R.W. 4—38729
Knoll, D. Does radiation protection as practised meet its legal objectives? 4—33887
Knoll, T. Testing of Blaupunkt Mannheim 23: question of price, a car radio in the DM 300-range 4—61001
Knoller, E. Cooperation for emergencies. Ten mobile diesel generators to combat blackouts 4—45318
Knoner, R. *see* Funke, J. 4—62208
Knoopers, H.G. *see* de Reuver, J.L. 4—39884
Knop, K. *see* Heinrich, P. 4—50243
Knopp, G. The ultrasonic BERO proximity switch—a remote sensor operating and comparison with opto-electronic detection 4—51580
Knoppers, J.V.Th. A perspective from Canada 4—60369
Knoppik, N. *see* Kleiber, H. 4—38702
Knorr, J.B. Scattering analysis of a millimeter-wave scalar network analyzer 4—39113
Knot'ko, P.N., Rovek, I.I., Shcherbina, A.V., Yakovlev, B.V. Design investigations of thermal power plant operation in the manoeuvred condition 4—40064
Knott, D. Electrical ducting for every location 4—34208
Knott, D. Electrical ducting for every location 4—39901
Knott, D. Ever-contracting solid-state drives 4—45677
Knott, D. Safety comes first in electrical work 4—57774
Knott, E.F. RSC tests utilize ground-plane effects 4—60884
Knott, K.F. What role do dislocations play in burst noise production? 4—30610
Knott, M., Smith, C.S. On the optimal mapping of distributions 4—40923
Knott, M.J. *see* Praeg, W.F. 4—59777
Knott, R.D. The flexible role of the diesel engine 4—62418
Knowles, H.B. Some potential applications of solid state nuclear track detectors in aerospace 4—39461
Knowles, J.E. The measurement of the anisotropy field of single 'tape' particles 4—30942
Knowles, R. *see* Garforth, D.L. 4—32763
Knowles, R.B. *see* Fekete, F. 4—35306
Knowlton, D.E., Bonner, W.F. Status, direction, and critical issues of waste treatment technology 4—40015
Knox, E.J. North Island Main Trunk 25 kV electrification 4—45070
Knox, K. *see* Coates, R. 4—39729
Knox, R. All zirconium tubes to be replaced at Pickering units 1 and 2 4—45253
Knudsen, K.L. *see* Corcoran, J.J. 4—51342
Knudsen, S.A. Driving systems for operating pumps and fans 4—57395
Knudson, A.R. *see* Christou, A. 4—35499
Knudson, A.R. *see* Richmond, E.D. 4—41048
Knudson, J.E., Williams, G.D. Adjustable backer plate for logic card testing 4—51142
Knuth, D.E. An algorithm for Brownian zeros 4—57912
Knuth, E.L. *see* DiJulio, S.S. 4—51008
Knutsson, H., Wilson, R., Granlund, G.H. Estimating the local orientation of anisotropic 2-D signals 4—38103
Knutti, J.W., Allen, H.V. Sensory inputs: fuel for digital systems 4—61363
Knyaz', A.I., Draganov, V.M. Parameters of lossless transmission lines with spherical T waves 4—31717
Knyaz', A.I., Draganov, V.M. On calculating electrostatic fields in piecewise-homogeneous media 4—42762
Knyaz'kov, A.V. *see* Alekseev-Popov, A.V. 4—59649
Knyupfer, A.I. Errors in measuring laser radiation energy by using multielement matrix measurement facilities 4—53041
Ko, C.-D., Becker, M., Wicks, F.E. Integration of financial constraints into optimal generation planning 4—45032
Ko, H.W., Sari, J.W., Thomas, M.E., Herchenroeder, P.J., Martone, P.J. Anomalous propagation and radar coverage through inhomogeneous atmospheres 4—32867
Ko, K.-T., Davis, B.R. Delay analysis for a TDMA channel with contiguous output and Poisson message arrival 4—53967
Ko, P.K., Voshchenkov, A.M., Hanson, R.C., Grabbe, P., Tennant, D.M., Archer, V.D., Chin, G.M., Lau, M., Soo, D.C., Wooley, B.A. SiGMOS—a silicon gigabit/s NMOS technology 4—36885
Ko, W. *see* Liebman, J. 4—49204
Ko, W.H., Shao, B.-X., Fung, C.D., Shen, W.-J., Yeh, G.-J. Capacitive pressure transducers with integrated circuits 4—33235
Ko, W.L. Aperture blockage in reflector antennas 4—59877
Ko, W.L., Mittra, R., Lee, S.W. Aperture blockage in reflector antennas 4—37737
Koba, A.P., Mikheev, I.A., Ogenko, V.M., Bosonogov, V.G. Precision adjustable high-voltage power supply 4—46338
Koba, S.I. Radiation directivity of a splayed interdigital surface-acoustic-wave transducer 4—56356
Koba, Yu.V. *see* Beruchev, N.G. 4—61603
Koba, Yu.V. *see* Vecherkovskii, V.V. 4—49998
Kobayachi, M. *see* Yamada, Y. 4—48473
Kobayashi, A. *see* Kijima, Y. 4—53549
Kobayashi, F., Yamaguchi, S. Basic properties on tomographic image reconstruction from projections of a small number of views 4—33824
Kobayashi, F. *see* Hara, S. 4—58126
Kobayashi, H., Leu, J.-G. A VLSI parallel convolver for computerized tomography 4—61780
Kobayashi, H., Suda, S., Shibasaki, T., Nakao, Y. LSIs for Japanese Teletext by pattern format 4—60461
Kobayashi, H., Sugita, K., Ishihara, Y., Sankawa, I. Design and characteristics for optical fiber cable installation components for subscriber cable system use 4—44106
Kobayashi, H., Yanagidaira, H., Shintani, S., Kawai, K. Application of Wagner coding method to multi-DPSK system 4—47741
Kobayashi, H. *see* Den, H. 4—56620
Kobayashi, H. *see* Ichiyanagi, K. 4—56696
Kobayashi, H. *see* Mitsunaga, Y. 4—42354
Kobayashi, H. *see* Nihei, F. 4—44093
Kobayashi, H. *see* Tanaka, S. 4—52773
Kobayashi, H. *see* Tarucha, S. 4—59512
Kobayashi, H. *see* Yamada, M. 4—57184
Kobayashi, H. *see* Yuschik, M. 4—58463
Kobayashi, I., Shintaku, K., Kasahara, S. A new air cooled argon ion laser 4—31315
Kobayashi, I. *see* Matsumoto, S. 4—55010
Kobayashi, I. *see* Nagai, T. 4—51554
Kobayashi, I. *see* Okada, K. 4—61569
Kobayashi, K. The past, present, and future of telecommunications in Japan 4—53988
Kobayashi, K., Nemoto, Y., Sato, R. A design method for low-pass filter using nonuniform transmission lines 4—41441
Kobayashi, K., Nishiki, S., Taga, T., Sasaki, A. Detachable mobile radio units for the 800 MHz land mobile radio system 4—60713
Kobayashi, K., Nomura, H. Update on efficient high-speed light sources 4—52999
Kobayashi, K., Watanabe, K., Ichikawa, R., Kato, A. The personal computer in 'C & C' [computer and communications technologies] 4—35862
Kobayashi, K. *see* Endo, A. 4—37689
Kobayashi, K. *see* Goto, M. 4—57062

Kobayashi, K. *see* Hino, I. 4—37386
Kobayashi, K. *see* Ihara, F. 4—55216
Kobayashi, K. *see* Ito, F. 4—45278
Kobayashi, K. *see* Kitamura, M. 4—47460, 4—52993
Kobayashi, K. *see* Mito, I. 4—31376
Kobayashi, K. *see* Sato, N. 4—32673
Kobayashi, K.L.I., Watanabe, N., Narusawa, T., Nakashima, H. Formation and thermal stability of Au-GaAs (001) interfaces studied by angle resolved XPS and Rutherford backscattering 4—50748
Kobayashi, K.L.I. *see* Fukuzawa, T. 4—37387
Kobayashi, M. RCA activities in the Asian and Pacific Region 4—50399
Kobayashi, M., Kawazumi, Y., Fukui, H., Nishisawa, T. The WARC-MOB 1983 meeting [satellite communications] 4—44030
Kobayashi, M., Sugimoto, S., Ueda, M., Yoshida, H. Improvements of the longitudinal uniformity in the response of long BGO detectors 4—55822
Kobayashi, M., Takano, S., Matsumoto, Y. A NaI(Tl)—^{241}Am light pulser of increased reliability by eliminating epoxy sealing 4—58705
Kobayashi, M., Yoshimura, K., Morikawa, N. The rubidium atomic frequency standard 4—33417
Kobayashi, M. *see* Abe, M. 4—30817
Kobayashi, M. *see* Alsbach, W. 4—34765
Kobayashi, M. *see* Kawachi, M. 4—31101, 4—37127
Kobayashi, M. *see* Mimura, T. 4—36851
Kobayashi, M. *see* Nishiuchi, K. 4—51229
Kobayashi, M. *see* Suzuki, Y. 4—37364
Kobayashi, M. *see* Tomaru, S. 4—47268
Kobayashi, M. *see* Tsuya, N. 4—34766
Kobayashi, M. *see* Yamada, Y. 4—31166
Kobayashi, N., Iwata, S., Yamamoto, N., Terada, T. A novel tungsten gate technology for VLSI applications 4—30804
Kobayashi, N. *see* Honda, M. 4—42196
Kobayashi, N. *see* Kanno, Y. 4—57274
Kobayashi, N. *see* Kluwe, A. 4—31251
Kobayashi, N. *see* Nishiuchi, K. 4—51229
Kobayashi, N. *see* Takahashi, K. 4—29547, 4—52438
Kobayashi, N. *see* Yamamoto, N. 4—42175
Kobayashi, R. Cellular mobile terminal and how it works 4—60682
Kobayashi, S. Standard frequencies and time services—outline 4—33419
Kobayashi, S., Hatono, A., Katohgi, K., Kuriyama, A., Ichihara, K. Prediction and control of slag slopping in BOF using microwave gauge 4—61515
Kobayashi, S., Kimura, T. Injection locking characteristics in semiconductor lasers 4—37378
Kobayashi, S., Kimura, T. Semiconductor optical amplifiers 4—54765
Kobayashi, S., Miyahara, S. A powder flow meter using microwaves 4—61589
Kobayashi, S., Satoh, T., Saitoh, Y. Development of new time service system using satellites 4—33505
Kobayashi, S. *see* Deguchi, T. 4—52720
Kobayashi, S. *see* Kaneki, T. 4—41572
Kobayashi, S. *see* Satoh, T. 4—33504
Kobayashi, S. *see* Yamamoto, Y. 4—37428
Kobayashi, T. Nonlinear conversion to short wavelengths with vapour materials 4—31479
Kobayashi, T. Optical parametric oscillators 4—31480
Kobayashi, T. Speech synthesis and speech recognition LSI 4—47802
Kobayashi, T. New radial turbine developed in Japan 4—62411
Kobayashi, T., Kondo, N., Hamasaki, K., Yamashita, T. Coherent characteristics of superconducting closed loop composed by Josephson junctions 4—47215
Kobayashi, T., Morimoto, A. Gas laser [picosecond pulse generation] 4—42539
Kobayashi, T. *see* Horiguchi, S 4—42074
Kobayashi, T. *see* Kato, S. 4—53124
Kobayashi, T. *see* Koshio, T. 4—54911
Kobayashi, T. *see* Kothari, N.C. 4—42699
Kobayashi, T. *see* Mashiko, K. 4—58337
Kobayashi, T. *see* Mitake, M. 4—55430
Kobayashi, T. *see* Morimoto, A. 4—42659
Kobayashi, T. *see* Nishinoma, M. 4—54759
Kobayashi, T. *see* Ohashi, M. 4—52578
Kobayashi, T. *see* Ohtaka, M. 4—52552
Kobayashi, T. *see* Osaka, J. 4—35454, 4—50738
Kobayashi, T. *see* Shirai, K. 4—53550
Kobayashi, T. *see* Yoshino, H. 4—36996
Kobayashi, T. *see* Yoshizawa, M. 4—52931
Kobayashi, Y. Image equalizer 4—39069
Kobayashi, Y. Zone melting recrystallization method 4—46209
Kobayashi, Y., Aida, K., Tokura, N. Nonrepeatered submarine optical transmission terminal equipment 4—38640
Kobayashi, Y., Fukami, A., Suzuki, T. Recrystallization of polycrystalline silicon islands on fused silica 4—41829
Kobayashi, Y., Fukami, A., Suzuki, T. RF recrystallization of polycrystalline silicon on fused silica for MOSFET devices 4—47045
Kobayashi, Y., Sato, F. Synchronizing circuit 4—32486
Kobayashi, Y. *see* Fukushima, T. 4—60174
Kobayashi, Y. *see* Mayanaga, H. 4—51208
Kobayashi, Y. *see* Nakamura, M. 4—51885
Kobayashi, Y. *see* Toba, H. 4—38611
Kobelt, C. Switzerland starts the first cabled 'pay TV' in Europe to be broadcast by satellite 4—54698
Kobetic, R. *see* Marsolais, E.B. 4—56191, 4—56195
Kobi, H. *see* Stemmler, H. 4—57211
Kobilka, J. The general design of run-of-the-river power stations—a wide ranging technical/ecological engineering task 4—56880
Kobisch, W. *see* Imbens, G. 4—61420
Kobisch, W. *see* van Groningen, W. 4—61417
Koblencz, J. *see* Kelemen, L. 4—39372
Kobler, H. *see* Cousins, T.E. 4—36015
Kobliska, D.C. *see* Block, T.R. 4—37373
Koblyanskii, Yu.V., Kurashov, V.N. Spatial coherence of a multimode laser field 4—53052
Kobozev, A.S. *see* Namitokov, K.K. 4—62659
Kobschall, G. *see* Maurer, K. 4—55847
Koburger, C.W., Geipel, H.J., Ishaq, M., Nesbit, L.A. Controlling void formation in WSi_2 polycides 4—42166
Koburger, C.W., Silverman, R., White, F.R., Wurstthorn, J.M. Method for removing oxidation barrier films 4—46908
Kobus, A. State and development trends of microprocessors in Poland 4—51292
Kobus, A. Integrated microprocessor circuits made by the MOS technology 4—51293
Kobus, A., Kolodziejski, J. New types of professional integrated circuits 4—47136
Kobus, A. *see* Adamek, E. 4—45299
Kobylecky, G.M. *see* Schoeck, K.O. 4—48736
Kobylinski, S. *see* Broszczak, W. 4—44222
Kobylyanskii, A.V. *see* Kutin, V.M. 4—56684
Kobzev, A.V., Lebedev, Yu.M., Sidonskii, I.B. Conversion technology switching circuits analysis by a modified switching function method 4—41513
Kobzova, D., Plavka, J. Selection of silicate fillers for the production of transformers with cast insulation 4—45475
Kocache, R.M.A. A review of the evolution and development of solid-electrolyte oxygen sensors 4—55442
Kocache, R.M.A., Swan, J., Holman, D.F. A miniature rugged and accurate solid electrolyte oxygen sensor 4—48867
Kocan, E.L. Techniques for estimating replacement energy values of electrical generating units 4—40765
Kocaoglan, E., Demirekler, M. On a property of pencils of matrices 4—50616
Kocaoglu, D.F. Engineering management programs as aids in moving from technical specialty to technical management 4—29184
Kocevar, P. *see* Ambrosch, K.E. 4—51853
Koch, B., Nett, M. CAD for IC [Venus system] 4—35580
Koch, C. Measurement instrument renovation 4—61177
Koch, F. *see* Dolgopolov, V. 4—51888
Koch, F. *see* Gold, A. 4—30445
Koch, H. Development and judgement of screen font 4—39245
Koch, H. German standards for display work stations 4—61254
Koch, M.H.J. *see* Hermes, C. 4—56063
Koch, O. Success thanks to early recognition 4—50261
Koch, P.-J. *see* Grosser, H.-D. 4—54140
Koch, T. *see* Amano, J. 4—30422
Koch, T.L. *see* Coldren, L.A. 4—37362, 4—52973, 4—52974, 4—52996
Koch, W.H. Design and test pitfalls in loss control 4—29279
Kochan, R.J. *see* Bliem, C.J. 4—40143
Kochan, V.A. *see* Zanichovskaya, L.V. 4—45189
Kochan, V.V. *see* Belousov, I.A. 4—55541
Kochanov, S.A. *see* Khrilev, L.S. 4—40073
Kochanova, L.A. *see* Fedoseeva, N.P. 4—36268
Kochel, M., Gebala, J. A method of determining stepping voltages on the ground surface in surrounding of the underground conductors 4—49621
Kochelap, V.A. *see* Izmailov, I.A. 4—42535
Kochelap, V.A. *see* Vakhnenko, V.A. 4—52921
Kochendorfer, W., Schorrig, H. The MC80 microcomputer 4—29924
Kocher, D.E. Local area networks 4—54370
Kocher, E. Power electronics on railway locomotives 4—62772
Kocher, E.C., Voll, A.R. Application of DC motors to modern papermill drives 4—62886
Kocher, M. *see* Kaufman, G. 4—57045
Kocherscheidt, G., Marquardt, B. Direct current servomotors in a fast writing potentiometric recorder 4—61439
Kochetkov, A.A., Krylov, V.V. Determination of signal spectra on non-orthogonal exponential bases 4—31943
Kochetkov, A.A. *see* Eliseev, P.G. 4—42660
Kochetov, I.V. *see* Baranov, V.Yu. 4—37310
Kochev, V.M., Konevskii, L.M., Zakharov, Yu.A. Standard specimens for checking ultrasonic thickness meters 4—39318
Kochhar, M., Daga, O.P., Singh, B.R., Khokle, W.S. The role of surface treatment on the anodic oxidation of *n*-GaAs 4—58876
Kochin, V.N. *see* Bulgakov, B.M. 4—53202
Kochkin, V.I. *see* Bronshtein, M.I. 4—46328
Kochsiek, M. *see* Probst, R. 4—33511
Kochubei, M.M. *see* Tolkunov, V.P. 4—40267
Kociecki, J. Predicting the performance of common-mode inductors 4—46648
Kock, F. The concept of the control technique for the class 120 electric locomotive of the German Federal Railway (DB) 4—34995
Kock, H.G. *see* Khoe, G.-D. 4—52558
Kocka, J. *see* Vanecek, M. 4—50061
Kocsis, F. Processor structures for the computation of discrete Fourier transform (DFT). I 4—58375
Koczniew, A. *see* Cholewicki, I. 4—62554
Kodaira, K. *see* Itakura, S. 4—38161
Kodaira, Y. *see* Hamasaki, K. 4—42302
Kodaka, H. *see* Yoshida, H. 4—31053
Kodama, J., Kanabe, S., Yamada, H. Wide temperature range liquid-crystal display 4—52716
Kodama, K. *see* Inada, T. 4—52022
Kodama, K. *see* Komeno, J. 4—41069
Kodama, M. *see* Fukuta, J. 4—46014
Kodama, M. *see* Inami, T. 4—42921
Kodama, M. *see* Nishimura, M. 4—42920
Kodama, S. *see* Kumagai, S. 4—29360
Kodama, T. *see* Kawai, S. 4—55602
Kodama, Y. *see* Tanaka, K. 4—56866
Kodate, K., Tamura, H., Okabe, Y., Kamiya, T. Deep ultraviolet lithography masks using amorphous silicon films 4—41926
Koeder, O. *see* Schaffer, H. 4—48842
Koegst, M., Posthoft, C., Steinbach, B. Considering the combinational blocks during the logic design of digital systems 4—29800
Koehler, A. *see* Gottschalk, B. 4—39600
Koehler, C.W. DC motors for rubber process control applications 4—57646
Koehler, D., Suranyi, G.G. The need for and application of statistical design [circuit design] 4—50888
Koehler, D.R. Determination of the frequency spectrum of a quartz crystal and oscillator 4—52352
Koehler, D.R., Martin, J.J. Radiation induced transient acoustic loss in quartz crystals 4—36935
Koehler, J.E. *see* Scheidt, J.L. 4—56461
Koehler, P.E. Neutron multiple scattering corrections including extensive realistic simulations of inherent experimental conditions 4—61729
Koehler, T.R. Self-consistent vector calculation of magnetic recording using the finite element method 4—31007
Koehler-Beran, K.R. *see* Hubbard, R.L. 4—48975
Koehring, P.A., Jr. *see* Stolshek, J.D. 4—57540
Koel, G. *see* Peelen, J. 4—52644
Koelble, E. *see* Moll, H. 4—32703
Koeleman, A.S.M. *see* van den Akker, T.J. 4—56126
Koeller, K.H. *see* Bahnen, R.H. 4—61588
Koeller, P.D. *see* Crowley, T.R. 4—31953
Koelmans, H. *see* Acket, G.A. 4—37511
Koeman, H. Introduction to Mead-Conway IC design approach: concepts, hardware and software requirements 4—35204
Koenemann, B. Built-in testing: state-of-the-art 4—29240
Koenemann, B., Ducklow, J., Lanners, N., Vriezen, T. Computer aided test for VLSI 4—58225
Koenig, D.R. *see* Ranken, W.A. 4—40044
Koenig, I. *see* Kramer, D. 4—33623
Koenigsberg, W.D. Noncontact distance sensor technology 4—61526
Koening, J.E. Practical aspects of power factor correction capacitors 4—62102
Koepf, G.A. Technologies for intersatellite optical communications 4—60816
Koepf, G.A. *see* Paul, D.K. 4—54815
Koepke, G.H. *see* Crawford, M.L. 4—59786
Koepp, P. *see* Baier, H. 4—31955
Koepsel, W.W., Shih, C.C. A microcomputer based current control for a DC motor drive 4—40538
Koerner, R.E., Kuchan, J.M. The electronic mobile exchange: a case study in microprocessor-based structured system development 4—48359
Koerner, T. *see* Klein, J. 4—62454
Koester, E. *see* Kullmann, U. 4—42246
Koester, J.K. *see* Farrar, L.C. 4—40487
Koester, W., Strobel, O. The influence of modal noise on a digital 1.3 μm optical transmission system 4—38595
Koesters, D.J. *see* Segers, D.L. 4—35812
Koettnitz, H. *see* Brendler, W. 4—39005
Koezuka, H. *see* Ogama, T. 4—58805
Koezuka, T. *see* Nakashima, M. 4—46747, 4—58645
Koffler, C.A. Dynamometer test of induction motors rewound using Wanlass redesign techniques 4—34676
Koffman, K.J. *see* Chow, T.S. 4—32559
Koffs, S. *see* Lior, N. 4—55291

Kofler, G. Beyond the gigabyte barrier [optical data storage] 4—32975
Kofler, G. Frequency counters and timers: type of equipment, characteristics and market survey 4—33336
Kofler, G. Parade of the $4^1/_2$ digit DMMs 4—33337
Kofler, G. Powerful universal counter: GHz features at MHz price; TR2823 of Takeda Riken 4—44545
Kofler, G. 100 MHz fast intelligent unit, Gould 5110: analogue/digital oscilloscope system 4—44546
Kofler, G. A transient and signal memory recorder 4—55533
Kofler, G. 60 MHz multi-scope 4—55534
Kofler, G. Reliable medium range oscilloscope. [Test report: Tektronix 2215A] 4—61425
Kofler, H. Power station generators with superconducting excitation windings 4—45411
Kofler, J. *see* Heinrich, V. 4—37024
Kofman, E.D. *see* Khromtsova, N.A. 4—45805
Kofman, L. *see* Chizeck, H.J. 4—49320
Kofoed-Hansen, O. *see* Conta, C. 4—56031
Koga, H. *see* Abe, T. 4—52584
Koga, H. *see* Hattori, M. 4—60628
Koga, H. *see* Ideguchi, T. 4—37652
Koga, H. *see* Ito, S. 4—33713
Koga, H. *see* Kuwabara, N. 4—38424
Koga, H. *see* Kuwabara, T. 4—46656
Koga, H. *see* Nezu, T. 4—54987
Koga, H. *see* Ohtsuki, F. 4—39934, 4—60629
Koga, H. *see* Yamane, H. 4—41638
Koga, K. *see* Sakurai, K. 4—54032
Koga, R. *see* Mnich, T.M. 4—29859
Koga, S. *see* Kimura, Y. 4—50185
Koga, T., Sato, H. On the approximation concerning the modeling of a discrete stationary stochastic process by means of a digital lattice filter 4—35972
Kogan, A.L. *see* Gurevich, G.L. 4—30101
Kogan, A.V. *see* Dennert, N.N. 4—55727
Kogan, E. *see* Av-Shalom, A. 4—36987
Kogan, I.M. Information prerequisites of an ultrastructure 4—31821
Kogan, L.R. Signal-to-noise ratio in extraction of a harmonic signal from noise using a limiter at the input 4—43357
Kogan, N.I. Logical analyser for shape monitoring of biscuits 4—61536
Kogan, V.B. Electronic systems for instruments for measuring the kinematic accuracy of gear wheels 4—33205
Kogane, M. *see* Ohki, T. 4—61479
Koganemaru, S. *see* Inoue, T. 4—48689
Koganezawa, K., Kato, I. A new method of EMG processing for controlling prosthesis and the approach to the prediction of walking period by EMG 4—56127
Kogelnik, H. Ultrashort pulse propagation in optical fibers 4—31158
Kogelnik, H. Current trends in integrated optics 4—31167
Kogelnik, H. Devices for optical communications 4—38661
Kogler, R. *see* Scharff, W. 4—29512, 4—41061
Koglin, H.-J., Roos, E., Wellssow, W.H. Application of reliability calculation methods to planning of high voltage distribution networks 4—34123
Kogo, H. *see* Yamaguchi, M. 4—30920, 4—52435
Kogure, K. *see* Kikuchi, S. 4—32001
Kogure, M. *see* Hirakura, K. 4—53168
Kogure, O. *see* Imamura, S. 4—46912
Kogure, O. *see* Morita, M. 4—41938
Kogut, V.A. *see* Lyapin, E.A. 4—40000
Kogutenko, A.S. Complex devices for gathering and for preparation of information 4—32493
Koh, T., Powers, E.J. Efficient maximum entropy spectral estimation using non-multiplication methods 4—53722
Koh Yung-Kil *see* Yung-Kil Koh
Kohalmy, S. *see* Zelenyanszky, E. 4—53136
Kohama, H. *see* Tajima, S. 4—29900
Kohama, Y., Itoh, S. The effect of high-power microwave transmissions on the neutral atmosphere 4—31650
Kohan, D. The design of interlocks and alarms 4—29197
Kohara, M., Hatta, M., Genjo, H., Shibata, H., Nakata, H. Thermal-stress-free package for flip-chip devices 4—58658
Kohashi, T., Aomori, T., Oka, S., Murai, M., Kadota, S. The DIANA concept—a complete approach to office automation 4—60361
Kohda, H. *see* Osaka, J. 4—35454
Kohda, M. *see* Tanaka, Y. 4—32400
Kohda, S. *see* Fukuda, Y. 4—46976
Kohda, T., Shitanda, K., Murao, K. Time-correlation functions of chaotic solutions observed in a certain class of piecewise-linear difference equations 4—43006
Kohda, T. *see* Murao, K. 4—50647
Kohl, D. *see* Thoren, W. 4—51785
Kohl, F. *see* Kutt, W. 4—41949
Kohl, P.A. *see* D'Asaro, L.A. 4—36624
Kohl, P.A. *see* Panock, R. 4—54756
Kohl, W. Detection range of an airborne pulse Doppler radar using medium and high PRF 4—54847
Kohlbacher, H. EMC/EMV assessment methodology for military communication concepts, systems, and hardware 4—59796
Kohler, A., Schiffel, R. Basic electronic circuits. Series Al. I. Audio preamplifiers, low-signal amplifiers 4—58167
Kohler, B., Sunke, L. Fast-acting controlled systems for precision setting of variable test pressures 4—39159
Kohler, H. *see* Kupfer, J. 4—50464
Kohler, J. *see* Ludeke, K.M. 4—44731
Kohler, R.P.H. Teletex is firmly established and spreading 4—32267
Kohlhas, W. *see* Dull, H.-J. 4—37784
Kohlhepp, P. *see* Nickel, R. 4—29608
Kohli, D.R. *see* Singh, S.N. 4—34690, 4—40524
Kohlschmidt, R., Rockmann, R. Services integration in a local network for an internal message system on a ship 4—43802
Kohmoto, K., Mizuno, N. Fluorescent lamp apparatus for photosensitivity tests 4—61786
Kohn, K.H. *see* Graupe, D. 4—56147
Kohn, L. *see* Lister, G. 4—36972
Kohno, M., Yamamoto, K. New series Fuji ultrasonic flowmeter 4—61299
Kohno, Y. *see* Tanaka, T. 4—30786
Kohnosu, K. *see* Yasui, M. 4—56641
Kohriki, T. *see* Ishihara, N. 4—55819
Kohyama, S. Two approaches to low-power 64 Kbit CMOS static RAMS 4—46475
Kohyama, S., Matsunaga, J., Hashimoto, K. Directions in CMOS technology 4—36853
Kohyama, S. *see* Isobe, M. 4—51307
Kohyama, S. *see* Matsukawa, N. 4—30810
Kohyama, S. *see* Miyamoto, J. 4—36739
Kohyama, S. *see* Momose, H. 4—30787
Kohyama, S. *see* Niitsu, Y. 4—36856, 4—51253
Kohzono, I. Technical trends of character graphic display controller LSI 4—33219
Koide, J. *see* Nishinaga, T. 4—30329
Koike, H., Nishikado, I., Sasaoka, M. An experimental voice store and forward system for a PBX 4—38410
Koike, H. *see* Tokiguchi, K. 4—40480
Koike, J. *see* Harakawa, T. 4—60433
Koike, K. *see* Saburi, Y. 4—44198
Koike, K. *see* Sugiyama, H. 4—55217
Koike, M. *see* Hasegawa, K. 4—55850
Koike, M. *see* Nishizawa, J. 4—37244
Koike, N., Takemoto, I., Ohba, S. Progress and trends in MOS imaging devices 4—48757
Koike, S., Yoshida, N., Fukai, I. Transient analysis of microstrip gap 4—59835
Koike, S. *see* Kawabata, T. 4—31254
Koike, S. *see* Sawa, K. 4—31253
Koike, T. *see* Nagase, H. 4—57424
Koike, T. *see* Nakamura, Y. 4—40054
Koike, Y., Sasahara, R., Kurosawa, N., Matsui, T., Takayanagi, K. Fiber optic multi-data bidirectional transmission system (KSD-1000 series) 4—32202
Koiner, J. *see* Schmidt, K. 4—54969
Koinuma, T., Mano, F., Aoyama, T. Line concentrator and subscriber line circuit in digital local switching system 4—38400
Koinuma, T. *see* Ohno, T. 4—54553
Koizumi, F. Fiber optic multiplex transmission modem 4—32530
Koizumi, M. *see* Kugiya, F. 4—31009
Koizumi, M. *see* Yamamoto, T. 4—57321
Koizumi, T. *see* Tashiro, H. 4—52988
Koizumi, Y. *see* Grush, W.H. 4—49706
Koj, J., Pronobis, H., Szacillo-Kosowski, J., Wichniak, J. Equipment for reclamation of printed circuits pickling solutions 4—46713
Kojima, H. *see* Hikita, M. 4—42211, 4—52398
Kojima, H. *see* Kinoshita, Y. 4—52399
Kojima, K. *see* Ashida, Y. 4—29519
Kojima, K. *see* Koyama, F. 4—37365
Kojima, M., Okuyama, M., Nakagawa, T., Hamakawa, Y. Chemical vapor deposition of $PbTiO_3$ thin film 4—50810
Kojima, N., Miyajima, Y., Murakami, Y. Fundamental designing of submarine optical fiber cable 4—38631
Kojima, N., Mukunoki, T., Yoshizawa, N., Kawata, O. Studies on submarine optical fiber cable structure and its transmission line constitution 4—44092
Kojima, N. *see* Tomita, N. 4—38189
Kojima, N. *see* Yamamoto, H. 4—38421
Kojima, S., Kitamura, K., Sugi, K. Advanced drive systems for iron and steel plants 4—57603
Kojima, T. Flat-panel displays 4—61466
Kojima, T., Nakane, F., Muta, K., Shinji, O., Murayama, H. Large-core high NA optical fiber by VAD method 4—31148
Kojima, Y. *see* Harakawa, T. 4—60433
Kojima, Y. *see* Yasui, M. 4—56641
Kok, A. *see* Krzymien, W.A. 4—37813
Kok, B.H.M. *see* Peutz, V.M.A. 4—43289
Kok, E. *see* Distelbrink, J.H.J. 4—33666
Kok Wai Chang *see* Adkins, L.R. 4—31038
Kokado, J. *see* Hatta, N. 4—35078
Kokaji, M. *see* Kashino, E. 4—62512
Kokhan, P.G., Lazarev, V.I., Naumeko, L.V. Influence of initial bending on the radial stability of compressed transformer windings 4—34717
Kokhanenko, A.P. *see* Voitsekhovskii, A.V. 4—30340, 4—58728
Kokhman'skiy, S.S. *see* Zakharov, V.P. 4—51706
Kokin, Yu.N. *see* Leonov, V.V. 4—33481
Kokinov, A.M., Korochkov, Yu.A., Lityaikina, L.N., Rudniv, V.N. Properties of high-temperature emissive coatings for high-pressure discharge lamps 4—62786
Kokkonen, K., Pashley, R. Modular approach to C-MOS technology tailors process to application 4—42153
Kokobun, Y. *see* Chailertvanitkul, A. 4—50798
Kokoska, I. *see* Jojko, Z. 4—45790
Koksalan, M.M., Karwan, M.H., Zionts, S. An improved method for solving multiple criteria problems involving discrete alternatives 4—46091
Kokta, L. *see* Dryak, P. 4—56006
Kokubun, T., Hatano, S., Sumida, S. Microbending loss characteristics of small diameter dual-coated optical fibers 4—59251
Kokubun, T. *see* Hatano, S. 4—59250
Kokura, K., Yoshida, K., Iino, A., Orimo, K. Fluorine doping in the consolidation process of VAD soot preform for single-mode fibers 4—52614
Kokurin, M.Yu. *see* Izhutkin, V.S. 4—46162, 4—46163
Kol, Y. *see* Frenkel, A. 4—37723
Kolar, D. *see* Hrovat, M. 4—50837
Kolar, J. Waste gas purification units in district heat production, exemplified by the Sandreuth Heat and Power Plant 4—62357
Kolasa, D. *see* Dubasiewicz, W. 4—49000
Kolasinski, W.A. *see* Mnich, T.M. 4—29859
Kolavennu, V.R., Duersch, R.R, Lester, H.L., Puckette, C.M. Evaluation of performance of a proposed PRCS (Personal Radio Communication System) 4—60720
Kolb, E.D., Key, P.L., Laydise, R.A., Simpson, E.E. Pressure-volume-temperature behaviour in the system H_2O-NaOH-SiO_2 and its relationship to the hydrothermal growth of quartz 4—29469
Kolb, G.A. *see* Kirk, J.P. 4—41935
Kolb, H.-J. A/D and D/A converters for digital signal processing 4—51321
Kolba, D.P. *see* Eaves, R.E. 4—32728
Kolbas, R.M., Carney, J.K., Longerbone, M.D., Kalweit, E.L., Reimer, S.T. Planar monolithic fiber optic receiver chip on a GaAs semi-insulating substrate 4—52693
Kolbas, R.M. *see* Carney, J.K. 4—31177, 4—52692
Kolbe, D. Adaptation of subassemblies to DATE (PUBG) stations 4—39043
Kolbe, W.F., Turko, B.T., Leskovar, B. Acoustic imaging of vapor bubbles through optically non-transparent media 4—34336
Kolbeck, A. The chip carrier 4—45978
Kolc, R. *see* Bauer, J.A. 4—41699, 4—41733
Kol'chenko, A.P., Nikitenko, A.G., Troitskii, Yu.V. Laser resonators with non-uniform mirrors 4—37391
Kolchev, E.V., Kornienko, I.N., Polovinkin, B.I., Khripko, D.A. Improvement of power characteristics of convertors 4—62625
Kolchin, D.P. *see* Basov, A.A. 4—53247
Kolcio, N., Peszlen, R.A. Humidity effects and breakdown characteristics of class II insulating gloves 4—57793
Kolczynska, C. *see* Kusmider, G. 4—41751
Koldanov, A.P. *see* Gorbachev, A.A. 4—53641
Koldashov, G.A. *see* Boiko, V.A. 4—52918
Kolegov, V.G. Stability in calorimetric circulation transducers in UHF wattmeters 4—34233
Kolendorf, K. *see* Bojsen, J. 4—33858
Kolenko, E.A. *see* Dyatchenko, A.A. 4—59271
Kolentsov, K.M., Balchev, N.A. Electrophotographic characteristics of CdS binder layers after heat and light treatment effects 4—42458
Kolesar, M.J. *see* Derr, P.B. 4—40842
Kolesnichenko, A.F. *see* Kazachkov, I.V. 4—53140
Kolesnik, O.G. *see* Goltvyanskii, Yu.V. 4—36341
Kolesnikov, A.E. Shaping zone for the directivity patterns of ultrasonic transducers 4—35558
Kolesnikov, L.P. *see* Gurvits, A.E. 4—62865
Kolesnikov, N.V. *see* Bezlyudnyi, S.V. 4—46635
Kolesnikov, S.Ya. *see* Khalabuda, A.I. 4—32281
Kolesnikov, V.U. *see* Semenov, Yu.F. 4—39991
Kolesov, G.V., Korzhenevich, I.M., Lebedev, V.B., Stepanov, B.M. Evaluation of the shape distortions of subpicosecond laser pulses caused by imprecise focusing of a photochronographic camera 4—37429
Kolesov, I.A. *see* Grashchenkov, N.F. 4—51000
Kolesov, N.V. *see* Danilov, V.V. 4—41270
Kolev, K. *see* Dontschev, S. 4—30127
Kolev, L.V. Finding all solutions of nonlinear resistive circuit equations via interval analysis 4—35605
Kolf, H.-G.Te *see* Te Kolf, H.-G.
Kolfschoten, A.W. *see* Sanders, F.H.M. 4—46943
Kolganov, N.G. *see* Abubakirov, E.B. 4—36218
Koliopoulos, C.L. *see* Bell, B.W. 4—39181
Koliopoulos, C.L. *see* Wyant, J.C. 4—47180

Koliwad, K.M. Current status of crystalline and polycrystalline photovoltaic technologies 4—57368
Koljonen, J., Karjalainen, M. Use of computational psychoacoustical models in speech processing: coding and objective performance evaluation 4—53491
Kolkovskii, I.I., Lugakov, P.F., Shusha, V.V. Charge-carrier recombination in silicon irradiated with γ-rays of different energies 4—41822
Kollberg, E. *see* Olsson, L. 4—60948
Kollberg, E.L., Johansson, J., Thungren, T., Korzeniowski, T.L., Yngvesson, K.S. New results on tapered slot endfire antennas on dielectric substrates 4—37754
Koller, I. Function of high speed electrolytes in reel-to-reel selective electroplating 4—57624
Kollewijn, W.R. *see* Rienstra, F. 4—50551
Kolliner, R. *see* Uhlir, K. 4—33134
Kollins, G.Zh. *see* Rokka, Zh.Zh. 4—37280
Kolluri, M. A multi-step parallel 10b 1.5 μs ADC 4—51338
Kollyukh, A.G. *see* Aleinikov, A.B. 4—46804
Kolm, H., Mongeau, P. Basic principles of coaxial launch technology 4—42781
Kolmasch, F., Kimstra, F. 37.6 MW diesel driven power added to Linz cogeneration plant 4—45321
Kolner, B.H., Bloom, D.M., Cross, P.S. Picosecond optical electronic measurements 4—59267
Kolner, B.H. *see* Cross, P.S. 4—59268
Kolodyazhnyi, A.A. Modelling a magnetohydrodynamic system at critical parameter values 4—47545
Kolodyazhnyi, V.V. *see* Vainshtein, R.A. 4—56669
Kolodziej, W.J., Mohler, R.R. Conditionally bilinear filter with tracking application 4—31971
Kolodziej, W.J. *see* Halawani, T.U. 4—43336, 4—47888
Kolodziejczyk, W. *see* Chanas, S. 4—50655
Kolodziejski, J. *see* Kobus, A. 4—47136
Kolodziejski, L.A., Bonsett, T.C., Gunshor, R.L., Datta, S., Bylsma, R.B., Becker, W.M., Otsuka, N. Molecular beam epitaxy of diluted magnetic semiconductor ($Cd_{1-x}Mn_xTe$) superlattices 4—58015
Kolodziejski, L.A., Sakamoto, T., Gunshor, R.L., Datta, S. Molecular beam epitaxy of $Cd_{1-x}Mn_xTe$ 4—35471
Kologrivov, V.A. *see* Grashchenkov, N.F. 4—51000
Kolokol'tsev, V.M. *see* Ivashchenko, S.S. 4—40111
Kolomeitsev, L.F. *see* Arkhipov, A.N. 4—49854, 4—62524
Kolomeitsev, L.F. *see* Ptakh, G.K. 4—49876
Kolomenskii, A.A., Pakhomov, I.I. Stimulated undulator radiation of electrons in a waveguide 4—42773
Kolomenskii, A.A. *see* Bogachenkov, V.A. 4—59365
Kolomiets, O.V. *see* Petrenko, A.I. 4—41142
Kolomiets, T.M. *see* Kostyshin, M.T. 4—53100
Koloneitsev, L.F. *see* Arkhipov, A.N. 4—62509
Kolonistov, V.P., Robachevskii, M.V. Optoacoustic receiver having a semiconductor emitter and photodetector 4—44513
Kolonits, P. *see* Mizsei, J. 4—49032
Kolonski, T.V. Improved adaptation of emergency control in power systems 4—56406
Kolonskii, T.V. Greater adaptation in power system antifault control 4—56423
Kolosov, E.E. *see* Drozdov, Yu.N. 4—37194
Kolosov, M.A., Pozhidayev, V.N., Rukina, A.N. On methods of forecasting the rain attenuation statistics of radio waves in the 10-100 GHz band. Horizontal ground paths 4—42866
Kolotygin, E.S. *see* Karmanova, E.M. 4—55153
Kolotyluk, E. X.25 and personal computers 4—54413
Kolpakov, N.S. *see* Babikova, Yu.F. 4—39494
Kolpin, T., Schnabel, R. Electronic drive and signal generation of low-voltage switchgear 4—57264
Kolpin, T., Schrother, G. More reliable contact-making for switching devices in auxiliary and control circuits 4—57287
Koltay, E. *see* Hunyadi, I. 4—33595
Koltcheva, K.S. *see* Kroushev, L.S. 4—46697
Kolthoff, K. New orders for the R-109 [FM receiver conversion] 4—43931
Koltok, Yu.V., Kuz'michev, V.M., Latynin, Yu.M. Receiving element for a laser energy measuring device based on a fibreglass lattice 4—42681
Kol'tsov, G.I. *see* Zdobnikov, A.Yu. 4—30515
Koltun, M.M., Matveev, V.P., Agaev, E.A. A two-film antireflection coating and a reduction of the surface film resistance of silicon photocells 4—62701
Koltun, M.M. *see* Daletskii, G.S. 4—57341
Koltun, M.M. *see* Lidorenko, N.S. 4—55714
Koltun, V.M. Choice of a criterion and a measuring method for the noise-immunity of selectors of ECG informative elements 4—33834
Kolwicz, K.D. *see* Tao, Y.G. 4—54466
Kolyasnikov, V.A., Kryuchkov, S.M., Kulikauskas, V.S., Yastrebov V.G. Properties of the surface of silicon after ion chemical etching 4—30527
Kolychev, S.V. *see* Lishchenko, A.I. 4—62733
Kolychev, S.V. *see* Nizimov, V.B. 4—34621
Kolykhalov, V.K. *see* Domashevskii, B.N. 4—35537
Kolyshkin, V.I. *see* Gorelenok, A.T. 4—52990
Koma, A. *see* Aoto, N. 4—50830
Komagata, H. *see* Furuya, N. 4—38528
Komagata, N. *see* Ito, H. 4—47456
Komai, M. *see* Tanimoto, M. 4—43946
Komaki, K. *see* Fujimoto, F. 4—58043
Komaki, S., Tajima, K., Okamoto, Y. A minimum dispersion combiner for high capacity digital microwave radio 4—48380
Komaki, S. *see* Saito, Y. 4—41505
Komaromi, E. A dual approach to stochastic linear programming problems constrained by logarithmic concave joint probability distribution function 4—40969
Komarov, A.A. *see* Dvoryankin, V.F. 4—29481
Komarov, A.N., Maksimov, A.I., Sovalov, S.A., Chernya, G.A., Anisimova, E.I., Arbuzov, A.F., Gostev, I.V., Popov, Yu.I., Segura, Kh. Multilevel automatic control system for frequency and power overcurrents in the USSR Unified Electric Power System 4—34049
Komarov, B.F. *see* Serebryakov, A.S. 4—33470
Komarov, B.F. *see* Vysotskii, A.V. 4—33472
Komarov, K.P., Ugozhaev, V.D. Steady-state pulses in solid-state lasers with passive mode locking 4—59488
Komarov, N.A. Finding the external equipotential lines of a given electric field 4—53143
Komarov, V.I. Radiation pyrometers with light conductors for the APIR-S complex 4—55492
Komarova, I.E., Khristov, Kh.B. TO-16 wide-aperture objective having an increased angular field 4—37183
Komashchenko, V.N. *see* Gorbik, P.P. 4—58768, 4—58769
Komata, T. *see* Hamasaki, K. 4—42302
Komatsu, A. *see* Hataoka, N. 4—59990
Komatsu, H. *see* Esashi, M. 4—49113
Komatsu, K. *see* Matoba, M. 4—55977
Komatsu, M., Otsubo, M. Energy-saving analysis programs for air-conditioning systems 4—35055
Komatsu, T. *see* Fujimori, Y. 4—62783
Komatsu, Y. *see* Matsumoto, H. 4—40458
Komatsubara, H. *see* Himei, T. 4—57114
Komatsubara, T. *see* Nakamura, M. 4—54751
Komatsubara, Y. *see* Harada, N. 4—44451
Komatsy, T. *see* Okazaki, N. 4—58335
Komazaki, T. *see* Komori, A. 4—54556
Komeda, T. *see* Takemoto, T. 4—36809
Komeno, J., Kodama, K., Takikawa, M., Ozeki, M. The growth of an InGaAs-InP superlattice by the chloride VPE 4—41069
Komeno, J. *see* Takikawa, M. 4—30625
Kominami, M., Rokushima, K. Analysis of an antenna composed of arbitrarily located slots and wires 4—31738
Komischke, M., Pfeifer, T., Schwerhoff, U. Sensor coupling via microprocessor—possibilities for preprocessing and sensor interfacing 4—55398
Komissarov, Yu.O. *see* Arnol'dov, M.N. 4—33527
Komissarzhevskii, N.E. *see* Bendik, N.T. 4—39885
Komito, E.H. *see* Dulka, C.P. 4—59084
Komitowski, D. *see* Zinser, G. 4—32055
Komiya, A. *see* Hayashi, M. 4—62800
Komiya, R., Sasakawa, M., Yoshida, K. Digital service unit design 4—38354
Komiya, S., Yamaguchi, A., Umebu, I., Kotani, T. Studies of photoluminescence intensity in InP/InGaAsP/InP double heterostructure 4—31224
Komiya, S. *see* Takanohashi, T. 4—42480
Komiya, S. *see* Ueda, O. 4—35476, 4—37359, 4—50756, 4—58022
Komiyama, A. On a multiple scattering in electromagnetic scattering by many perfectly conducting circular cylinders 4—31633
Komiyama, A. Multiple scattering in electromagnetic scattering by many perfectly conducting circular cylinders 4—59729
Komiyama, A. *see* Nishimura, M. 4—42920
Komiyama, M. Superconducting cavity resonators 4—30081
Komiyama, M. A very low temperature quartz oscillator 4—30888
Komiyama, M. Measurement methods for frequency and time 4—33414
Komizo, Y. *see* Nakanishi, M. 4—62855
Komlev, V.P., Deryabin, V.M. Meter for unsteady random process parameters 4—55324
Komo, J.J. *see* Aridgides, A. 4—38439
Komolov, V.P., Polezhaev, V.A., Shashkov, P.N. Parametric switching filter 4—46545
Komolov, V.P., Polezhaev, V.A., Trofimenko, I.T., Shashkov, P.N. Reception of radiosignals by the phase-quantization method with frequency preconversion 4—47859
Komori, A., Furukawa, M., Sato, T., Komazaki, T. A 200 Kb/s burst mode transceiver with two-bridge tap equalizer 4—54556
Komori, K. *see* Matsushita, T. 4—45621
Komota, Y. *see* Nogami, S. 4—57903
Komotskiy, V.A. *see* Bessonov, A.F. 4—36982
Kompa, G. Optical short-range radar for level control measurement 4—44173
Kompa, G. Extended time sampling for accurate optical pulse reflection measurement in level control 4—55747
Kompanets, I.N. *see* Belenov, E.M. 4—30471
Kompanets, I.N. *see* Grinev, A.Yu. 4—31782
Kompanets, I.N. *see* Vasiliev, A.A. 4—42427
Kompass, E.J. Programmable controllers watch over San Francisco's 'new' cable cars 4—57443
Komuro, K. Japanese coast Earth and network coordination stations for the INMARSAT system 4—32739
Komyak, V.A. *see* Shestopalov, V.P. 4—56309
Kon, S., Kachi, T. Analysis of optically pumped CD_3OH laser lines 4—42570
Kon, S. *see* Kachi, T. 4—59427
Kon, T. *see* Harada, N. 4—44451
Konagai, M. *see* Inoue, T. 4—36284
Konagai, M. *see* Kenne, J. 4—41076
Konagai, M. *see* Lim, K.S. 4—57352
Konagai, M. *see* Matsushita, T. 4—45621
Konagai, M. *see* Tokumitsu, E. 4—41052
Konaka, M. *see* Shibata, T. 4—35809
Konaka, S. *see* Iwashita, K. 4—44085
Konakhovskii, M.N. A power meter plug-in tester 4—34236
Konakova, R.V. Mechanisms of degradation of FET diodes 4—58919
Konakova, R.V., Rybalka, V.V., Scherbina, L.V., Zaitsevskii, J.L. Use of the modulating differentiation technique to study breakdown inhomogeneities in avalanche transit time silicon diode 4—46628
Konakova, R.V., Tkhorik, Yu.A., Evstigneev, A.M., Fainberg, V.I., Khakimov, T.M., Kordosh, P., Morvits, M., Chervenak, Ya. Electrical properties of heat- and radiation-resistant $Al_xGa_{1-x}As$ avalanche diodes 4—36540
Konangi, V.K., Dhas, C.R., Duewiger, M. Effect of data distribution on the performance of Ethernet-like networks 4—32438
Konarzewski, J. *see* Bek, S. 4—51568
Konaszewski, K. Simultaneous determination of relative magnetic permeability μ_r and electric specific conductivity γ of ferromagnetic material 4—48999
Konczewicz, L. *see* Kadri, A. 4—30335
Konczos, G. *see* El-Shabasy, M. 4—50849
Kondakova, Z.V. *see* Pavlova, N.V. 4—55683
Kondalev, A.I. Data format converters and formal-heuristic methods of their design 4—46594
Kondo, B. *see* Abe, S. 4—39789
Kondo, H., Katanuma, M., Morikawa, K., Nagatomi, K. Electronic key telephone system for office and home 4—54470
Kondo, K. *see* Dhawan, S. 4—44694
Kondo, K. *see* Dhawan, S.K. 4—29947, 4—29948
Kondo, K. *see* Hayashide, Y. 4—33681
Kondo, K. *see* Matsumoto, S. 4—55010
Kondo, K. *see* Minemura, H. 4—31083
Kondo, K. *see* Sakakibara, M. 4—34664
Kondo, K. *see* Usuba, S. 4—42790
Kondo, K. *see* Yasumoto, Y. 4—49035
Kondo, K. *see* Yokoyama, N. 4—47025
Kondo, M., Itoh, K. Newly developed electric power network control system for the Shinkansen 4—50186
Kondo, M. *see* Ohmuro, T. 4—60893
Kondo, M. *see* Shikada, M. 4—54810
Kondo, M. *see* Takeda, Y. 4—35490, 4—52811
Kondo, N. *see* Kobayashi, T. 4—47215
Kondo, S., Matsuo, M. Restoration for linearly degraded digital pictures by using the generalized Laplacian 4—53810
Kondo, S. *see* Kinjo, M. 4—60866
Kondo, S. *see* Matsuo, M. 4—60172
Kondo, T., Okada, S. New video switchers for use in broadcasting 4—32904
Kondo, T. *see* Kitamura, A. 4—32615, 4—60624
Kondo, T. *see* Saburi, Y. 4—44198
Kondo, T. *see* Tada, O. 4—52780
Kondo, T. *see* Ushida, N. 4—56030
Kondo, Y. *see* Tada, O. 4—52780
Kondor, T. *see* Fuzesi, E. 4—57157
Kondragunta, J., Walker, L.N. Optimal long term acquisition of coal for fuel blending 4—45201
Kondrashov, A.V., Oleinikov, P.P., Sokolov, A.N., Ashrapov, T.B., Yunusov, Kh.R. Stability of the calibration characteristics of differential-transformer strain transducers in a nuclear reactor 4—62328
Kondraske, G.V., Potvin, A.R., Stewart, R.M., Tourtellotte, W.W., Syndulko, K. A system to assess sensory and motor function in the clinic 4—44712
Kondraske, G.V., Potvin, A.R., Tourtellotte, W.W., Syndulko, K. A computer-based system for automated quantitation of neurologic function 4—44706
Kondraske, G.V. *see* Potvin, A.R. 4—49125
Kondratenko, A.N. *see* Azarenkov, N.A. 4—42875, 4—42876
Kondrat'ev, E.F., Stepanova, A.V. Resonance method of monitoring the properties of dielectrics 4—42180
Kondrat'ev, M.P. *see* Zabello, E.P. 4—39887
Kondrat'eva, V.G. *see* Betsa, V.V. 4—42450
Kondratkova, T.A., Kuritsyn, Yu.G. A minimax estimate of the mean value of a stationary random process with a correlation function of Polya's class 4—46106

Konenkamp, R., Hermann, A.M., Madan, A. Photocurrent reversal and charge storage in amorphous silicon:hydrogen type diodes 4—59345
Konev, Yu.B. *see* Antropov, E.T. 4—42531
Konevskii, L.M. *see* Kochev, V.M. 4—39318
Kong, A.M. *see* Lau, K.F. 4—59112
Kong, A.M. *see* Rousseau, K.V. 4—30934
Kong, J.A. *see* Shin, R.T. 4—47582
Kong Fangong *see* Cheng Yunqi 4—41117
Kong Jin Au *see* Jin Au Kong
Kong Meiying, Sun Dianzhao, Huang Yunheng, Liang Jiben, Chen Zonggui, Li Qiwang MBE GaAs single crystal films 4—46217
Kong-yi Xu *see* Xu Kong-yi
Konheim, A. *see* Hofri, M. 4—47942
Konicek, L.R., Case, S.K. Information encoding systems employing multifaceted volume holograms 4—37491
Konig, R. Excimer-laser—efficient ultraviolet impulse light source 4—59674
Konig, R. *see* Lademann, J. 4—52885
Konig, R. *see* Weidauer, R. 4—52889
Konig, U. Nonrecursive digital filter design for data transmission over telephone channels 4—48316
Konig, U., Keck, W. Influence of cooling rate on convection during LPE growth of GaAs and (Ga,Al)As 4—29488
Konig, W., Meis, F.U., Willerscheid, H. Process observation and monitoring in the case of high-capacity lasers 4—50514
Konishi, H., Kuriki, S. Improved characteristics of Nb_3Ge tunnel junctions using sputter-deposited amorphous-silicon barrier 4—59168
Konishi, S. *see* Hara, T. 4—39800
Konishi, S. *see* Yokokawa, S. 4—39801
Konishi, T. *see* Hashimoto, H. 4—36220
Konishi, Y., Fujio, T. Future of broadcasting and its effect of a future information society 4—48547
Konishi, Y. *see* Kuroha, M. 4—42492
Konitzer, D.G., Walters, K.W., Heiser, E.L., Fraser, H.L. Rapidly solidified prealloyed powders by laser spin atomization 4—31545
Kon'kon, Yu.D. *see* Igumnov, V.P. 4—45778
Kon'kov, O.I. *see* Andreev, A.A. 4—30368
Kon'kov, V.A. *see* Grigor'yev, V.G. 4—37582
Kon'kov, V.V., Fedoseeva, O.P., Chapnin, V.A. Stabilization of light-diode radiation 4—31252
Konnik, S.I. *see* Danilov, L.V. 4—35602
Konnikov, S.G. *see* Baranov, A.N. 4—46227
Konnikov, S.G. *see* Bessolov, V.N. 4—42462
Konno, M. *see* Counji, T. 4—30909
Konno, N. *see* Kimura, A. 4—50164
Kono, M.E., Brininstool, M.R. Towards a universal design for ROV telemetry via fiber optics 4—48774
Kono, T. Beta HiFi VTR 4—61085
Konoike, T. *see* Tamura, H. 4—41559
Kononenko, E.V., Kononenko, K.E. Transients in synchronous machines in the spontaneous hunting state 4—49856
Kononenko, K.E. *see* Kononenko, E.V. 4—49856
Kononenko, S.G. *see* Gonchar, V.Yu. 4—49060
Kononenko, W., Theodosiou, G.E., Selove, W., Van Berg, R., Owen, D., Cox, B. Signal and noise measurements for muons in scintillating glass with vacuum photodiode readout 4—33692
Kononenko, W. *see* Theodosiou, G.E. 4—33677
Kononets, Ya.F. *see* Gorbik, P.P. 4—58769
Kononov, A.A. *see* Sverdlik, M.B. 4—53646
Kononov, I.K. *see* Apollonov, V.V. 4—31333
Kononov, M.V., Koshevaya, S.V., Omel'yanenko, M.Yu. Nonlinear superhigh frequency electromagnetic waves in crystals 4—53070
Kononov, Yu.D. *see* Styrikovich, M.A. 4—39984
Konopinski, T. Second breakdown of power transistors and its control 4—58909
Konopkin, A.P., Kurdydyk, R.V., Shvetskii, B.I. Miniature universal digital voltmeter with autonomous supply 4—33358
Konoplev, N.A. *see* Biryukov, A.S. 4—59448
Konopleva, R.F., Evseev, V.A., Borisov, B.A., Nazarkin, I.V., Chekanov, V.A. Electrophysical properties of disordered systems based on crystalline germanium compensated by fast neutron irradiation 4—30307
Konopnicki, M.J., Latham, W.P., Lowrey, W.H. Effect of reflaxicon defocus on the geometrical parameters of a half-symmetric unstable resonator with an internal axicon (HSURIA) 4—37401
Konoshita, O. *see* Ihara, F. 4—55216
Konov, V.I. *see* Ageev, V.P. 4—59679
Konov, Yu.S., Khublarov, N.N., Gorshunov, V.Yu. Calculation of the mechanical durability of windings in high-output transformers during short circuiting 4—57134
Konov, Yu.S. *see* Gorshunov, V.Yu. 4—40304
Konovalov, I.P. Stability of self-locking of two modes 4—42556
Konovalov, S.A. *see* Alekseev, A.G. 4—55715
Konovalov, V.I. *see* Zil'berman, G.A. 4—33122
Konovalova, L.S., Loginov, V.S. Calculating the maximum temperature in the magnetic circuits of transformers and betatrons 4—34719
Konovalova, S.A. *see* Abramovich, B.N. 4—39864
Konrad, G.T. *see* Lee, T.G. 4—36223
Konrad, M. *see* Senk, J. 4—50009
Konson, J.Dawidowitsch *see* Dawidowitsch Konson, J.
Konstantinesku, I.N. Application of distribution theory to circuit analysis 4—50918
Konstantinides, K., Yao, K. Applications of singular value decomposition to system modeling in signal processing 4—53697
Konstantinov, A.A. *see* Frolov, E.A. 4—39453
Konstantinov, A.O. Investigation of ambipolar avalanche multiplication in silicon carbide 4—41882
Konstantinov, A.O. *see* Verenchikova, R.G. 4—58787
Konstantinov, V.B. *see* Barannikov, A.L. 4—37497
Konstantinova, M.A. *see* Kistova, E.M. 4—41050
Konstantinyan, K.I. *see* Gubankov, V.N. 4—37069
Konsynski, B.R., III *see* Bracker, W.E., Jr. 4—35159
Kontani, T. *see* Kitamura, A. 4—32573
Kontorin, Yu.F., Lazerson, A.G., Man'kin, I.A. Signal amplification in a BWT in the presence of electron-beam noise 4—30274
Kontorov, M.D. *see* D'yakonov, V.I. 4—31455
Kontorovich, M.I., Novikov, Yu.N. The effect of a screen on the performance of travelling-wave loop antennas 4—47670
Konuma, S. *see* Ando, S. 4—59650
Konvalinka, I.S. Iterative nonparametric spectrum estimation 4—31963
Konyaev, A.Yu., Proskuryakov, V.S., Rezin, M.G., Sarapulov, F.N. Features of analysis of characteristics of a linear induction motor with solid magnetic circuit 4—57000
Konyaev, V.P. *see* Borodulin, V.I. 4—42662, 4—59545
Konyaev, Yu.A. *see* Glebov, B.N. 4—62788
Konzok, H.G. *see* Chalmers, D.R. 4—44883
Koo, D.Y., Chenoweth, H.B. Choosing a practical MTTF model for ECC memory chip 4—47784
Koo, J.Y., Filippini, J.C. Effect of physicochemical factors on the propagation of water trees in polyethylene 4—59057
Koo, K.P., Sigel, G.H., Jr. Detection scheme in a fiber-optic magnetic-field sensor free from ambiguity due to material magnetic hysteresis 4—42430
Koo, K.P., Tveten, A.B., Dandridge, A., Sigel, G.H., Jr. Measurements of magnetostrictive properties of metallic glass using a fiber-optic interferometer 4—55648
Koo Chung Sang *see* Sang Koo Chung
Kooij, P.P.M. *see* Reiber, J.H.C. 4—39548
Koolhoven, W. *see* Boenink, H.J. 4—62876
Koolman, M., Kratz, W. Calculation of characteristic reliability values in an automation system 4—50601
Koon, N.C., Das, B.N. Crystallization of FeB alloys with rare earths to produce hard magnetic materials 4—30951
Koonar, S.S., Sohal, J.S. Realization of two-variable transfer functions 4—50886
Koons, H.C., Dazey, M.H., Edgar, B.C. Impedance measurements on a VLF multiturn loop antenna in a space plasma simulation chamber 4—47689
Koori, N., Deschamps, Y., Reide, F., Yuasa, T. Determination of neutron detection efficiency by simultaneous measurement of D(p,2p)n and D(p,pn)p reactions at 200 MeV 4—61685
Kooter, C. *see* Moens, C. 4—44025
Kooy, C. Impulse response of a planar sheath equi-angular spiral antenna 4—31736
Kopacek, M. *see* Stiborova, E. 4—45553
Kopach, E.N., Shatalov, V.I., Sultanov, N.L., Pilyugin, V.I. Automation of planning technical development of production for power systems 4—39812
Kopach, G.I. *see* Boiko, B.T. 4—51770
Kopach, V.R. *see* Boiko, B.T. 4—51770
Kopaev, Yu.V. *see* Kapaev, V.V. 4—51967
Kopainsky, J., Ungrad, H. Development trends in automation and control systems for substations 4—45497
Kopanskii, A.G. *see* Isaenko, F.I. 4—55432
Kopchikov, A.N. *see* Al'tov, V.A. 4—59158
Kopcke, H.-J. *see* Barlik, R. 4—57170
Kopcke, H.-J. *see* Kazmierkowski, M.P. 4—50136, 4—57423
Kopec, G.E. Voiceless stop consonant identification using LPC spectra 4—53565
Kopec, G.E. The integrated signal processing system ISP 4—55350
Kopec, G.E. The Signal Data Base System SDB 4—60125
Kopec, G.E. *see* Bush, M.A. 4—59974
Kopecky, Ch.V. *see* Aizenberg, I.A. 4—30558
Kopeika, N.S., Hava, S., Hirsh, I. Gamma ray irradiated LEDs in vacuum: surface emission and significant wavelength tuning via surface states 4—59355
Kopeika, N.S., Hirsh, I., Hazout, E. Photodiode quantum efficiency improvement through vacuum surface effects 4—59326
Kopejtkova, D. Voltage testing of encased VHV switchboards with SF_6 insulation on site after mounting 4—45551
Kopell, N. Chaos in the swing dynamics 4—49550
Kop'ev, P.S., Ber, B.Ya., Ivanov, S.V., Ledentsov, N.N., Mel'tser, B.Ya., Ustinov, V.M. Influence of growth conditions on capture of accidental impurities by undoped epitaxial GaAs films grown by the molecular beam epitaxy method 4—58034
Kop'ev, P.S., Minchev, G.M., Ustinov, V.M., Ivanov, S.V. Automatic system for examining the Hall effect in specimens of any shape 4—55630
Kopilevich, Yu.I., Frolov, V.V. Allowing for multiple scattering in schlieren measurements in weakly inhomogeneous media 4—42485
Kopina, I.V. *see* Galunov, N.Z. 4—39456
Kopitz, D. *see* Ely, S.R. 4—48570
Kopka, H. *see* Barr, R. 4—47594
Kopley, T. *see* Ketchen, M.B. 4—42287
Koplowitz, J. Generalized analysis of chain encoded planar curves 4—38095
Kopp, D. *see* Immendorfer, M. 4—60067, 4—60564
Kopp, F., Bachstein, F., Werner, C. On-line data system for a cw laser Doppler anemometer 4—61916
Kopp, L. *see* Bienvenu, G. 4—60102, 4—60904
Kopp, M.K., Valentine, K.H., Guerrant, G.C., Harter, J.A. Position-sensitive fission counter for in-core flux profile monitoring 4—34337
Kopp, M.K. *see* Valentine, K.H. 4—33699
Kopp, W. *see* Arnold, D. 4—30639, 4—36601
Kopp, W. *see* Drummond, T.J. 4—41868
Kopp, W. *see* Fischer, R. 4—52101
Kopp, W. *see* Klem, J. 4—47358
Koppa, Yu.V. *see* Boychuk, L.M. 4—59904
Koppel, W. Upside down [current regulation for loudspeakers] 4—61135
Koppl, G. *see* Gysel, T. 4—45149
Koppl, W. Shipboard radar RFI control systems 4—59754
Koprinarow, N., Nitzsche, K. Short-duration change of the layer resistance of thin metal layers in vacuum 4—36158
Koprinkov, I.G., Stamenov, K.V., Stankov, K.A. Intense laser generation from an atomic-fluorine laser 4—31292
Kopruner, V. *see* Pfurtscheller, G. 4—49192
Kopylov, E.A. *see* Avrorin, A.V. 4—35539
Kopylov, G.N., Levin, A.Yu. On the realizability of a stochastic multiproduct flow 4—50874
Kopylov, S.M. *see* Dmitriev, V.G. 4—42712
Kopylov, V.I., Shilov, A.M. CAMAC programmable frequency divider 4—61321
Kopylov, Yu.L., Kravchenko, V.B., Mirgorodskaya, E.N., Bobylev, A.V. Fabrication of waveguides in lithium niobate and tantalate by proton diffusion from a benzoic acid solution 4—37142
Kopytsev, I.V. *see* Alekhin, V.I. 4—44153
Koqure, Y. *see* Sazuki, M. 4—49728
Korablev, V.P. Automated power data monitoring and control systems in chemical industry plants 4—40663
Koran, A., Trnka, J. SKODA W 160 HA, W 200 HA and W 250 HA types horizontal boring and milling machines 4—62848
Korbicz, J. Suboptimal stochastic control of a nuclear power reactor 4—56787
Korbut, A.A., Finkel'shteyn, Yu.Yu. Approximate methods of discrete programming 4—35395
Korcova, I. *see* Kelnar, O. 4—57113
Korczynski, M.J. Minimization of temperature error of strain gauge torque transducer 4—61352
Kordecki, A., Weglinski, B. Magnetodielectrics as materials for magnetic cores in AC applications 4—58062
Kordic, S., Zieren, V., Middlehoek, S. A magnetic-field-sensitive multicollector transistor with low offset 4—39165
Kordic, S. *see* Yi-Zi Xing 4—55414
Kordick, D.C. Trends in mobile radio system design 4—60737
Kordon, M. Technological aspects of the multilayer printing in the thick film technology 4—51678
Kordosh, P. *see* Konakova, R.V. 4—36540
Kordyukov, E.I. Synthesis of optimization structures and parameters of multifunctional devices 4—45583
Korec, J., Grundmann, D., Heyen, M. Modeling of sulfur incorporation during low pressure CVD of GaAs (100) in the Ga-HCl-AsH_3-H_2-H_2S system 4—50781
Korec, J. *see* Jurgensen, H. 4—29493
Koreisha, S.G. A time-series approach for constructing expectations models 4—50622
Korejwo, E., Kucharski, J., Synal, B. Development prospects of the power system protection automation 4—45151
Korematsu, J. *see* Tokuda, T. 4—51098, 4—58376
Koren, G., Yeh, J.T.C. Emission spectra, surface quality, and mechanism of excimer laser etching of polyimide films 4—46254
Korenaga, Y. *see* Yokota, S. 4—38402
Koreshev, S.N. *see* Semenov, G.B. 4—59645
Koretskii, V.Ya., Relin, A.B. Consistometry in volume flow-rate measurement for the solid component in a two-phase flow 4—55751
Korgel, C.C. *see* Myers, M.H. 4—49394

Korhammer, K.D., Gossmann, W., Gotz, K. Safe operation—cost effective technology. First introduction of a simple signalling technique on the Dachau-Altomunster line 4—35012
Kori, M. *see* Tominaga, S. 4—62320
Kories, R. *see* Zimmermann, G. 4—38050
Korizak, E. Reliability model of the multifunction system 4—46015
Korizna, I.Yu., Troitskii, A.M. Calculation procedure for high frequency supplied fluorescent lamp circuits by the Monte-Carlo method 4—57517
Korkishko, Yu.N. *see* Gan'shin, V.A. 4—59249
Korma, E.J., Snijder, J., Verwey, J.F. SiO_2 layers on polycrystalline silicon 4—30465
Kormilo, S., Robinson, P. Electronic control of small hydroelectric schemes using a microcomputer 4—56877
Kormishina, T.M. *see* Blikh, M.Kh. 4—51330
Korn, A., Schonbein, R. Characteristic shapes and their statistical distribution for the description of texture in various local frequency ranges 4—38079
Korn, G. *see* Guther, R. 4—53105
Korn, G. *see* Novodvorskii, O.A. 4—42588
Korn, I. Analogue adaptive hybrid for digital transmission on subscriber lines 4—53337
Korn, S.R., Nelson, W.D. Optimization of power MOSFET drive circuitry 4—29668
Kornas, T. A new method of the cost assessment of losses caused by electric energy supply limitations in industrial plants 4—57592
Korneenkov, V.K., Miroshnichenko, V.S. A millimeter-band amplifier based on the electrodynamic system of a diffraction-radiation generator 4—51013
Korneev, V.V., Trukhin, V.A. Features of energy extraction from a sectionalised solenoid inductive store in a scheme with current multiplication 4—40514
Korneffel, B., Morawski, D., Munte, H.J. Special test method for slice technological checks of optical sensor manufacture 4—55482
Korneichik, V.V. On the question of anomalous waveguide dispersion 4—37706
Korner, E. *see* Solbrig, O. 4—49181
Korner, G. 23 cm converter amateur radio; very short (waves). Listen on frequencies above 1 GHz 4—61005
Korneta, A. Investigations of dielectric parameters of liquids in microwave range using dielectric resonator method 4—30865
Korneta, A. *see* Milewski, A. 4—61507
Kornfeld, A., Kidron, I. Performance limitations of charge-coupled-device transversal filters 4—35932
Kornfeld, G. Reliability considerations on satellite TWTs 4—51709
Kornfeld, G. Reliability inspections on travelling wave tubes for satellites 4—57887
Kornhaas, W. A new generation of Video 2000 format recorders from Grundig 4—38872
Kornhaas, W. Grundig 2×4 plus videorecorder 4—44284
Kornhaas, W., Zollner, R. How does a video recorder function? I. Video cassettes and the basic concepts 4—61080
Kornienko, I.N. *see* Kolchev, E.V. 4—62625
Kornienko, L.G. Maximum signal-to-noise ratio at the output of an antenna with controllable field polarisation 4—42977
Kornienko, L.G. *see* Dovbnya, B.A. 4—42980
Kornienko, N.E., Steba, A.M., Strizhevskii, V.L. Stokes and anti-Stokes wave generation induced by two-photon illumination 4—47512
Kornilov, A.V. *see* Uglov, A.A. 4—36474
Kornilov, S.T., Protsenko, E.D., Tymper, S.I., Chirikov, S.N. Waveguide CO laser with a wide tuning range of the emission frequency 4—31332
Korniyash, A.A. *see* Elizarov, A.I. 4—58731
Kornreich, F. *see* Block, P. 4—49241
Kornreich, P. *see* Kowel, S.T. 4—59275
Korobkov, V.V., Gornostaev, L.S. An analysis of measurement errors in ascertaining thermal efficiency of turbine units 4—56844
Korobochkin, Yu.B. Minimax linear estimation of a stationary random sequence in the presence of a perturbation with limited variance 4—50637
Korobochko, Yu.S. *see* Belyaevskii, O.A. 4—36236, 4—46782
Korobova, N.I., Menakhin, L.P., Sibiryak, I.O., Ul'yanov, K.N. Space charge compensation in a planar gas-filled diode 4—30286
Korobtsov, V.V. *see* Kaverina, I.G. 4—41058
Korochkov, Yu.A. *see* Kokinov, A.M. 4—62786
Korolev, L.D. Frequency shifters for suppressing acoustic feedback 4—55115
Korolev, M.V., Karpel'son, A.E., Shevaldykin, V.G., Ryabtsev, G.I., Korolev, V.D. A three-element split-combined piezotransducer for the UT-55BE standardless thickness gauge 4—61349
Korolev, M.V., Shevaldykin, V.G., Karpel'son, A.E. Standard-free ultrasonic pulse-echo thickness gauge 4—44498
Korolev, V.D. *see* Korolev, M.V. 4—61349
Korolev, V.N. *see* Presnyakov, I.N. 4—41502
Korolev, V.S. *see* Belyaev, S.A. 4—40446
Koroleva, T.P. *see* Shin, V.N. 4—52466
Korol'kov, D.V. *see* Golosova, S.Ya. 4—32886
Korol'kov, D.V. *see* Ignat'eva, I.V. 4—32883
Korol'kov, V.I. *see* Andreev, V.M. 4—31238
Korol'kov, V.I. *see* Gaybullayev, S. 4—52077
Korol'kov, V.I. *see* Grigo'ev, B.I. 4—36316
Korol'kov, V.I. *see* Zadiranov, Yu.M. 4—36571
Korolkov, V.V. *see* Balan, N.M. 4—31819
Korol'kova, N.V., Akimov, A.I., Denisov, L.K., Uzhinov, B.M. Lasing efficiency of solutions of rhodamine dyes in different solvents 4—42583
Korolyuk, A.P. *see* Golik, A.V. 4—62004
Korolyuk, Yu.F. Locating a line fault by a digital method of measuring currents and voltages 4—56699
Koronnyi, S.G. *see* Golubev, L.V. 4—50789
Korony, G. *see* Ciureanu, P. 4—37031, 4—42261
Koroteev, I.E., Rudenko, Yu.V. Investigation of stability in a small converter with variable structure 4—57178
Korotkin, P.D. *see* Apanovich, A.A. 4—40096
Korotkov, S.V. *see* Grekhov, I.V. 4—36569
Korotkov, V.S. A method of reconstructing the volume amplitude-phase distribution of a radiating current 4—42934
Korotkova, L.S. *see* Tsanev, S.V. 4—49727
Korotky, S.K., Alferness, R.C., Buhl, L.L., Joyner, C.H., Marcatili, E.A.J. High-speed pulse generation using a sinusoidally driven Ti:$LiNbO_3$ directional coupler travelling-wave optical modulator 4—37182
Korotky, S.K. *see* Alferness, R.C. 4—37162, 4—37171
Korotyanskii, A.S. On increasing the utilisation efficiency of fuel-power resources in the Voroshilov machine-building plant 4—40651
Korovin, L.I. *see* Bryksin, V.V. 4—53113
Korovin, S.D. *see* Bratman, V.L. 4—36186
Korovkin, N.V. *see* Apryatkina, I.B. 4—42761
Korpela, H. *see* Hakanen, M. 4—56025
Kors, J.L. *see* Baraban, L. 4—36788
Korsakov, F.F. On the possibility of developing boiler units for high ash fuels with abrasive ash and computation of ash particle movement along the convection shaft 4—40097
Korschinek, G., Held, J., Isoya, A., Assmann, W., Munzer, H. Accelerator tube tests with a 5 MV Van de Graaff 4—33591
Korschinek, G. *see* Assmann, W. 4—33592
Korshunov, A.B. *see* Belotelov, S.V. 4—36315
Korshunov, A.I. Design of automatic electrical drives with two-channel control of DC motor. II. Design of electrical drives by harmonic linearisation 4—34973
Korshunov, F.P., Marchenko, I.G. Characteristics of changes in the temperature dependence of the differential resistance in the avalanche breakdown region of irradiated silicon *p-n* junctions 4—46853
Korshunov, I.P., Matveyev, R.F. A method of determining the amplitude-frequency characteristic of regular multimode lightguides 4—31145
Korshunov, V.L. *see* Gurvits, A.E. 4—62865
Korshunova, E.N. *see* Katsenelenbaum, B.Z. 4—37717
Kort, B.W. Models and methods for evaluating customer acceptance of telephone connections 4—32260
Kort, F., Zumbach, E. Three-phase metal-clad SF_6-insulated 123 kV switchgear 4—62642
Kortanek, K.O. *see* Baybars, I. 4—32191
Korte, R.M., Lianza, T.A. Image recording device for halftone, continuous tone, and line art 4—55268
Kortela, U., Salmelin, B., Wahlstrom, F., Joensuu, J. Control strategies for multi-fuel power plants 4—40079
Kortela, U. *see* Wahlstrom, F. 4—40132
Korth, H.E. Laser-scanning exposure system with active focus control 4—30693
Korth, H.E. Measuring ultrathin air films 4—33461
Korth, H.E. DIP spectrophotometric sensor 4—39179
Korth, H.E. *see* Jaerisch, W. 4—39311
Korth, H.-E., Kulcke, W., Makosch, G. Computer-assisted measurements of thin films 4—55698
Korting, R. *see* Bunzel, E. 4—56977
Korting, R. *see* Kuss, H. 4—57059
Korukov, N.A. *see* Voevodin, M.A. 4—33577
Korupp, K.-H. Photovoltaic power plants in Central Europe 4—34496
Korupp, K.-H. The solar and wind generation station in Terschelling 4—45364
Koryachko, V.P. *see* Borzenko, A.E. 4—39041
Koryagin, O.G. *see* Dobryakova, G.A. 4—40585
Koryttsev, I.V. *see* Alekhin, V.I. 4—44911
Korzec, D. *see* Maly, W. 4—36791
Korzeniowski, T.L., Pozar, D.M., Schaubert, D.H., Yngvesson, K.S. Imaging system at 94 GHz using tapered slot antenna elements 4—44446
Korzeniowski, T.L. *see* Kollberg, E.L. 4—37754
Korzhenevich, I.M. *see* Kolesov, G.V. 4—37429
Korzhik, V.I., Borisenko, N.P. Calculation of the spectra of neighboring classes of arbitrary BCH codes 4—53412
Korzhik, V.I., Savel'ev, N.A. Performance of q-ary coding in channels with fading when multiple-frequency signals are used 4—43120
Kos-est, A. High accuracy calibration system for charge read-out electronics 4—44696
Kosa, B. *see* Silard, A. 4—42043
Kosa, B. *see* Silard, A.P. 4—36568
Kosachev, V.V. *see* Babadzhan, E.I. 4—37424, 4—53051
Kosak, A., Feldman, R. Energy saving in street and area lighting 4—57543
Kosak, A., Reider, J.N. A novel scheme for energy saving in public lighting system 4—57544
Kosaka, M., Miyamoto, S., Ihara, H. A track correlation algorithm for multi-sensor integration 4—48506
Kosaka, S. *see* Shoji, A. 4—51190, 4—52485
Kosaka, Y., Tsunekawa, T., Tanaka, S. Sea-ice analysis of NOAA satellite image using ice breaker Shirase's meteorological data processing system 4—44909
Kosaki, M. *see* Ishihara, K. 4—52341
Kosaki, M. *see* Nakashima, H. 4—59100
Kosalos, J.G., Chayes, D. A portable system for ocean bottom imaging and charting 4—61985
Kosarimov, E.N. *see* Al'tman, A.B. 4—30148
Kosco, E.G. DTMF encoder draws no standby current, thus eliminating on/off switch 4—41517
Kose, V. Fundamental constants and SI units 4—61168
Kosecki, L. *see* Lewandowski, W. 4—61448
Koseki, H. *see* Nakayama, N. 4—47342
Kosemura, K. *see* Hirachi, Y. 4—36596
Kosevich, V.M. *see* Rogacheva, E.I. 4—30379
Koshcheev, A.A. *see* Gendel'man, G.A. 4—45813
Koshchiyenko, V.N. *see* Avrutskii, V.A. 4—42183
Koshelets, V.P. *see* Gubankov, V.N. 4—37069
Koshelets, V.P. *see* Vystavkin, A.N. 4—59171
Koshelev, S.B. *see* Kharitonov, V.V. 4—53038
Kosheleva, O.M. *see* Dravskikh, A.F. 4—54920
Koshevaya, S.V. *see* Kononov, M.V. 4—53070
Koshiba, M., Hayata, K., Suzuki, M. Vectorial finite-element method without spurious solutions for dielectric waveguide problems 4—37695
Koshiba, M., Hayata, K., Suzuki, M. Vectorial finite-element formulation without spurious modes for dielectric waveguides 4—47655
Koshiba, M., Hayata, K., Suzuki, M. Approximate scalar finite-element analysis of anisotropic optical waveguides with off-diagonal elements in a permittivity tensor 4—52568
Koshiba, M. *see* Hayata, K. 4—31154, 4—47286
Koshida, N., Wachi, Y. Application of ion implantation for doping of polyacetylene films 4—58852
Koshikawa, M. *see* Hayashi, T. 4—31709
Koshilev, N.A., Mikhalev, A.V., Strokin, N.A., Shishko, A.A. The initial stage of break-down in a one-turn solenoid 4—42775
Koshimaru, S. *see* Ozawa, T. 4—51237
Koshimoto, Y. *see* Mikazuki, T. 4—37029
Koshimoto, Y. *see* Ohara, S. 4—52462
Koshimoto, Y. *see* Satoh, I. 4—37028
Koshimura, Y., Aoike, N., Nomura, O. Stable high frequency operation of high intensity discharge lamps and their ballast design 4—62801
Koshio, T., Kobayashi, T., Kuroda, K., Nishimura, T. MLS field evaluation—method and results 4—54911
Koshizuka, N., Okuda, T., Hayashi, K., Yokoyama, Y., Ando, K. Research on magneto-optic devices 4—59138
Koshizuka, N. *see* Hayashi, K. 4—29436
Koshizuka, N. *see* Okuda, T. 4—30968
Koshparenok, V.N., Melezhik, P.N., Poedinchuk, A.E., Shestopalov, V.P. Splitting of the lower spectral frequency in a double electrodynamic Helmholtz resonator 4—58511
Koshurnikov, E.K., Medvedev, A.V., Sidel'nikov, A.V., Shakhtarin, V.N. Influence of saturation of ferromagnetic circuit on harmonic composition of magnetic induction and emf in cryoturbogenerator 4—34588
Kosichnik, Yu.V., Kotlov, Yu.N., Kryukov, P.V., Kuznetsov, A.I., Nadezhdinskii, A.I., Pelipenko, V.I., Perov, A.N., Stepanov, E.V. Miniature optical cryostat for a semiconductor laser with temperature stabilization 4—47494
Kosina, V. Tradition and present of deliveries of steam power stations at Skoda Concern 4—45309
Kosinski, J.A. *see* Filler, R.L. 4—30899
Kosinski, Zb. Disk-type asynchronous motor with uniformly modular winding 4—62539
Kosiorowski, S. Pulse DC converters with series commutation 4—34749
Kosjak, F. Turbines with enlarged exhaust steam cross-section for nuclear power stations 4—45219
Kosky, R.P. *see* Alden, J.W. 4—49705
Koslov, A.S., Tolstouhov, N.I., Jakovkin, I.B. Investigating the secondary effects in exciting and recording surface acoustic wave packets of large base length 4—30922
Koslowsky, V.T. *see* Clifford, E.T.H. 4—61688
Kosmarskii, L.N. *see* Belokurova, N.V. 4—51066
Kosmatov, E.M. *see* Alaev, Yu.M. 4—56834

Kosmina, M.A., Fradkin, E.E. Effect of a magnetic field on the characteristics of competing resonance in a ring gas laser with an absorbing cell 4—47482
Kosmopoulos, S.A., Lombardi, P., Marchetti, P.G. Preliminary analysis for a computer simulation of a digital satellite link in the presence of co-channel interference with non-linear amplifiers 4—60767
Kosmowski, B.B., Becker, M.E., Mlynski, D.A. A novel technique for the accurate determination of average tilt angle in twisted nematic cells 4—39338
Kosmowski, W. Critical factors in small-hole drilling 4—46682
Kosolapov, A.N. *see* Vorob'ev, S.A. 4—57011
Kosolapova, E.F. *see* Gaidukova, V.S. 4—30377
Kosonocky, W.F. Visible and infrared solid-state image sensors 4—39076
Kosonocky, W.F., Elabd, H. Schottky-barrier infrared charge-coupled device focal plane arrays 4—55241
Kosonocky, W.F. *see* Elabd, H. 4—55475
Kosovich, V.A., Matorin, A.I., Sedykh, V.S., Polupan, V.A. Composite non-consumable electrodes for argon-arc welding 4—62860
Kossoff, G. Diagnostic imaging systems 4—61768
Kossowsky, R. *see* Nahemow, M.D. 4—36445
Kossut, J. *see* Grabecki, G. 4—51910
Kosta, S.P., Shamanna, K.N., Bhawani Shanker, R., Dayashankara, K.S., Rudralingappa, B., Katti, V.R., Kosta, Y.P. Television reception with papaya tree antenna 4—54966
Kosta, Y.P. *see* Kosta, S.P. 4—54966
Kostarakis, P. *see* Eek, L.O. 4—49069
Kostel, U. *see* Pretzsch, G. 4—56224
Kostelyanets, V.S. Study of large hydro-generator out-of-step conditions 4—45410
Kosten, L. Stochastic theory of data handling systems with groups of multiple sources 4—47938
Kostenich, Yu.V. *see* Asaenok, N.A. 4—59490
Kostenko, A.A., Kuznetsov, O.A., Tolomasov, V.A., Filatov, O.N., Khlopov, G.I., Shestopalov, V.P. Nonlinear effects in the millimeter wavelength range in bulk semiconductors with a superlattice 4—41881
Kostenko, M.V. A practical method of calculating the mechanical stress in a conductor 4—45127
Koster, A. *see* Martinot, P. 4—31476
Koster, E. Recommendation of a simple and universally applicable method for measuring the switching field distribution of magnetic recording media 4—30998
Koster, R., Herrmann, C., Tang, M. Use two video-display processors to achieve 3-D, overlay effects 4—44237
Kostic, B. *see* Xydeas, C.S. 4—32031
Kostic, R. Experience gained by use of ATME No.2 equipment in the Yugoslav postal and telecommunication network 4—60605
Kostin, V.A., Stysin, V.E., Tikhomirov, S.V., Khatyrev, N.P., Yakovlev, V.A. Precision photometer for measuring low levels of maximum power of a pulsed laser 4—55488
Kostin, V.V. *see* Vainer, B.G. 4—30448
Kostina, L.S. *see* Allakhverdiev, A.M. 4—50067
Kostina, L.S. *see* Gorbatyuk, A.V. 4—58941
Kostina, L.S. *see* Grekhov, I.V. 4—36569
Kostka, F. Microprocessor control of a drawing machine for quartz optical fibres production 4—31135
Kostner, R. *see* Hasse, L. 4—51004
Kostohryz, P. Analysis of day load diagrams of regional power utilities with regard to remote group control 4—44981
Kostopoulos, G.K. Design and analysis nomograms for pulse-width and frequency modulation using the 555 timer 4—51052
Kostrzewa, L. *see* Kearney, D.W. 4—40138
Kostylev, V.P. *see* Gorban', A.P. 4—39174, 4—62698, 4—62699
Kostyshin, M.T., Romanenko, P.F., Indutnyi, I.Z., Kolomiets, T.M., Stronskii, A.V., Sopinskii, N.V. Recording of holographic diffraction gratings on a photosensitive semiconductor-metal system based on $GaSe_2$ 4—53100
Kostyshin, M.T., Romanenko, P.F., Stronskii, A.V. Recording of holographic diffraction gratings with an asymmetrical form of groove profile by light-sensitive semiconductor-metal systems 4—37499
Kostyuchenkova, E.N., Nikiforov, Yu.A., Tarasov, E.P. The Y067 portable power amplifier 4—58183
Kostyuk, O.M., Solomakha, M.I. Three components of the damping moment of a synchronous machine 4—62514
Kostyukevich, E.A. Optical transducers for pulsed pressures 4—55411
Kostyunina, G.P. *see* Igumnov, D.V. 4—30751
Kosugi, M. *see* Hiroyama, M. 4—38232
Kosukegawa, M. Recent information on electrical measurement techniques—voltage and current measuring techniques 4—55613
Kosyachenko, L.A., Kukhto, E.F., Sklyarchuk, V.M. Influence of uniaxial deformation on the properties of silicon carbide Schottky diodes 4—36538
Kosyachenko, L.A., Kukhto, E.F., Sklyarchuk, V.M. Direct and indirect intraband emission transitions of hot carriers in reversely biased silicon carbide diodes 4—52805
Kosyachenko, L.A., Kukhto, E.F., Sklyarchuk, V.M. Mechanism of electroluminescence emitted by a silicon *p-n* junction under a reverse bias 4—59361
Kosyakov, V.K. *see* Svidchenko, A.I. 4—45758
Kosych, V.P. *see* Ivanov, V.A. 4—43444
Koszi, L.A. *see* Schwartz, B. 4—51780
Kot, V.I. *see* Gerasimenko, E.P. 4—30176
Kota, S.L. *see* Sanli, N. 4—44028
Kotajima, S. *see* Ohtsu, M. 4—52963
Kotaki, K. *see* Tamura, K. 4—49917
Kotaki, M., Kuriki, I., Katoh, C. Radio noise spectrum above the ionosphere in the high frequency band 4—31703
Kotaki, M., Kuriki, I., Katoh, C. Global distribution of atmospheric radio noise 4—31704
Kotaki, Y. *see* Chailertvanitkul, A. 4—50798
Kotan, L. *see* Reguly, Z. 4—45107
Kotani, T. *see* Komiya, S. 4—31224
Kotani, T. *see* Ueda, O. 4—58022
Kotecha, H. *see* Kalter, H. 4—42161
Kotecha, H.N. *see* Cassidy, B.M. 4—46470
Kotecki, D.E., Lear, R. Optical shutters using microchannel plate (MCP) intensifier tubes 4—59289
Kotecki, D.E. *see* Jacoby, B.A. 4—30280
Kotelyanskii, I.M. *see* Anisimkin, V.I. 4—56357
Kotelyanskii, I.M. *see* Gulyaev, Yu.V. 4—59244
Kotenzhi, Yu.V. *see* Mandel'berg, S.L. 4—62844
Koterev, S.A. *see* Syrovatka, V.V. 4—45779
Kothari, D.P. *see* Indulkar, C.S. 4—43923
Kothari, D.P. *see* Kumar, A. 4—62123
Kothari, K. Development and future of sealed and semisealed type lead acid batteries and cells 4—34860
Kothari, N.C., Kobayashi, T. Single beam two-photon optical bistability in a sub-micron size Fabry-Perot cavity 4—42699
Kothe, H.K. Photovoltaic provision of energy 4—45622
Kotheimer, W.C. *see* Russell, B.D. 4—53233
Kothiyal, M.P. *see* Sharma, D.K. 4—33479
Kothmann, R.E. *see* Farooque, M. 4—40428
Kotiuga, W.W. New applications of least absolute value techniques to power system state estimation 4—34103
Kotkin, G.L. *see* Ginzburg, I.F. 4—33583, 4—49052
Kotkowski, A., Dziewulski, M. The effect of 1000 MW nuclear units on the required reserve of capacity in the electric power system 4—49506
Kotlov, Yu.N. *see* Kosichnik, Yu.V. 4—47494
Kotlyachkov, M.I. *see* Avrorin, A.V. 4—35539
Kotlyar, Ya.A., Smirnov, L.M., Odegov, A.V., Vanin, V.I., Efremov, B.G. Square-pulse time-delay device with digital control 4—30059
Kotlyarchuk, V.A. Voltage conditions on power lines feeding large excavators 4—49597
Kotlyarevskii, A.P. *see* Vaneev, B.N. 4—62675
Kotlyarevskii, M.B. *see* Georgobiani, A.N. 4—58733
Kotnala, R.K. *see* Singh, N.P. 4—40454
Kotnala, R.K. *see* Singh, S.N. 4—34896
Kotov, M.N., Puzakov, A.N., Chaplinskii, V.V., Shugurov, V.K. Analysis of a ferrite-filled circular waveguide with transverse quadrupole magnetization 4—58495
Kotov, V.M., Karalyunets, A.V., Popov, A.I., Selimkhanov, R.A., Shneidman, I.B., Shneidman, M.I. Influence of a gaseous medium on the parameters of selenium electrophotographic layers 4—37201
Kotov, Yu.V., Oganyan, E.V. Characteristics of a step-type waveguide radiator in an antenna array with a dielectric coating 4—42918
Kotov, Yu.V. *see* Ponomarev, L.I. 4—42984
Kotre, C.J., Harrison, R.M., Ross, W.M. A simulator-based CT system for radiotherapy treatment planning 4—49142
Kotsubo, S. *see* Ijima, K. 4—45132
Kott, J., Haniger, L., Grof, V., Liska, J., Majer, J. Automatic diagnostics of nuclear equipment for steam production 4—56727
Kottek, E., Jilek, V. Measuring the capacitance of the outputs of digital integrated circuits 4—48993
Kotthaus, H.P. *see* Wieck, A.D. 4—51896
Kotthaus, J.P. *see* Hansen, W. 4—51783
Kotthaus, J.P. *see* Moreland, J. 4—46873
Kotthaus, J.P. *see* Wieck, A.D. 4—58813
Kottick, D. *see* Kaplan, B.Z. 4—34627
Kotyuk, A.F., Zagorskii, Ya.T., Kuznetsov, A.A., Ulanovskii, M.V. Standard means of measuring mean laser emission power 4—53039
Kotyuk, A.F. *see* Zagorskii, Ya.T. 4—53040
Kotzebue, K.L. A technique for the design of microwave transistor oscillators 4—51537
Kotzle, G. Industrial correlator 4—33446
Kouba, D.J. *see* Boyle, D.H. 4—35754, 4—35755
Kouguchi, N., Sumikawa, S., Arai, Y., Yonezawa, Y., Kuwabara, K., Arai, T. A study of the correction for the time difference measurements of Loran-C 4—44184
Koul, S. *see* Mehra, R.M. 4—41848
Koul, S.K. *see* Bhat, B. 4—41542, 4—42902
Koumoto, K. *see* Toyoshima, Y. 4—33248
Kouno, T., Uenosono, C., Hayashi, M., Yamamoto, O. Discharge phenomena of the insulator assembly and occurrence of critical cascading flashover phenomena 4—34211
Kourkoutas, C.D., Bekris, P.D., Papaioannou, G.J., Euthymiou, P.C. Transport parameters of *n*-type GaSb 4—30336
Kousemaeker, B.P.de *see* de Kousemaeker, B.P.
Koussa, S.S. The performance of simple gas turbine plants with heat recovery systems 4—40137
Kouts, H. The development of breeder reactors in the United States 4—34355
Kouvaras, N. Novel multiinput signal-processing networks with reduced quantization noise 4—31951
Kovac, K. *see* Bajcsy, J. 4—33101
Kovacs, G. Skin effect in the shorting rings of asynchronous machines 4—34646
Kovacs, G. Induction motor with starter disc 4—62538
Kovacs, K.P. On the theory of cylindrical rotor AC machines, including main flux saturation 4—45397
Kovacs, M. Some convergence theorems on nonstationary minimization processes 4—46154
Kovacs, O. Network control in computer networks 4—48234
Kovacs, R. *see* Meliopoulos, A.P. 4—45012
Kovacs, S.G. A magnetically actuated left ventricular assist device 4—49313
Kovacs, S.G., Connar, R.G. Ventricular kinetics of a magnetically actuated artificial heart 4—44782
Koval, A. *see* Benko, V. 4—32814
Koval, D.O. Evaluating undelivered energy levels of alternative energy sources 4—34559
Koval, D.O., Mansour, S.Y., Kelly, D.H. Constraints on transmission line operation 4—62216
Koval, D.O. *see* Mansour, S.Y. 4—34133, 4—62088, 4—62090
Koval', I.F. *see* Goltvyanskii, Yu.V. 4—36341
Koval', N.N., Kreindel', Yu.E., Mesyats, G.A., Tolkachev, V.S., Shchanin, P.M. Efficient use of a low-pressure arc in a grid plasma electron emitter 4—39404
Koval, V. *see* Januskevicius, Z. 4—30388
Kovalan, M. Processor monitoring and self-test in the Boeing 767/757 flight control computer 4—49414
Kovalchuk, A.V. *see* Verzimacha, Ya.I. 4—34887
Koval'chuk, B.M. *see* Vecherkovskii, V.V. 4—49998
Koval'chuk, E.S., Degil', B.G. Control unit for generator excitation controller 4—34816
Koval'chuk, E.S. *see* Dovganyuk, I.Ya. 4—40231
Kovalchuk, V.B. *see* Babich, V.M. 4—58720
Kovalchuk, V.B. *see* Baranskii, P.I. 4—36256
Koval'chuk, Yu.V. *see* Abakumov, V.N. 4—46919
Kovalenko, A.D. *see* Voevodin, M.A. 4—33577
Kovalenko, A.G. *see* Veliyev, E.I. 4—30071
Kovalenko, A.V. *see* Andreev, A.A. 4—30325
Kovalenko, G.A. *see* Krasnoshapka, M.M. 4—62590
Kovalenko, I.T. *see* Zhemerov, G.G. 4—45508
Kovalenko, N.N. Comparison of two approaches to optimization of the composition and allocation of technological means of data transmission for a centralized computer network 4—60526
Kovalenko, S.A. *see* Aivazyan, Yu.M. 4—42513
Kovalenko, V.A. *see* Bogdankevich, O.V. 4—42606
Kovalenko, V.F., Krasnov, V.A. Determination of the degree of compensation of GaAs:Si *p-n* structures by a photoluminescence method 4—30420
Kovalenko, V.F. *see* Dryapiko, N.K. 4—59324
Kovalenko, Yu.P. *see* Arzamastsev, D.A. 4—44968, 4—45054
Kovalenkov, L.L. Maximum density accompanying use of digital magnetic recording methods with time modulation 4—37026
Kovalev, A.M., Puchkov, Yu.I., Perelyaev, V.E. Device to measure the relative difference of two DC voltages 4—61475
Kovalev, D.V. *see* Basiev, T.T. 4—31365
Kovalev, I.I., Karpukhin, G.P. Flexible production system for manufacture of printed circuit boards and for mounting of board components 4—51642
Kovalev, I.O. *see* Atanasov, P.A. 4—52917
Kovalev, I.O. *see* Valiev, K.A. 4—51673
Kovalev, N.F. Stimulated Cherenkov radiation by ultrarelativistic helical electron beams 4—30261
Kovalev, N.F. *see* Abubakirov, E.B. 4—36218
Kovalev, O.F. *see* Nikitenko, A.G. 4—58590
Kovalev, V.E. *see* Avilov-Karnaukhov, B.N. 4—39972
Kovalev, V.F. *see* Gavrilova, L.I. 4—41744
Kovalevskaya, G.G., Slobodchikov, S.V., Filaretova, G.M. Amplification of the photocurrent in Au/*n*-InP:Fe diode structures 4—36333
Kovalevskii, V.A. *see* Mandel'berg, S.L. 4—62844
Kovalevskii, V.I. *see* Badalyan, A.M. 4—37287
Kovalgin, Yu.A., Odnol'ko, V.V. Stereophonic sound in television broadcasting 4—54944
Koval'kov, G.A. *see* Kil'dishev, V.S. 4—40212
Koval'skii, R.V., Novikova, T.V. Optimal operating regimes of thermoelectric air dryers 4—62820

Kovalyuk, Z.D. *see* Katerinchuk, V.N. 4—46838
Kovan'ko, Yu.K., Vlasenko, I.A. Determining the tensions and sag of conductors with various suspension point heights [power overhead lines] 4—39895
Kovar, K. Set of tool equipment for NC machine tools and machining centres 4—62850
Kovar, P. The responsible approach to training of the NPP operating personnel in Czechoslovakia—one of the main directions ensuring nuclear safety 4—39995
Kovarik, V.J. *see* Hershcovitch, A.I. 4—61612
Kovarskii, A.P., Lebedev, V.P., Pahomov, E.E. Mass-spectrometer investigations of halogen-containing thermal grown layers of SiO_2 4—30548
Kovarskii, E.M. Influence of ecological factors on utilization of electric machine volume 4—34585
Kovarskii, V.A., Chernysh, L.V., Belousov, A.V. About the low-temperature dependence of activation for capture cross-sections of charge carriers in semiconductors with persistent photoconductivity 4—41805
Kovatch, D.H. Modeling aircraft combat damage repair 4—49367
Koverchik, S.F. *see* Voitsekhovskii, A.V. 4—30340
Kovrik, I.A., Khimchenko, N.V. Equipment for the analysis of material structures 4—58087
Kovsh, I.B., Lesnov, I.A., Paisov, V.N., Sobolev, V.A. High-voltage pulse generator with an extended charging-voltage range 4—35692
Kovsh, I.B. *see* Basov, N.G. 4—37307, 4—37312
Kovshov, A.N. *see* Viktorov, L.V. 4—61306
Kovshow, V.D. *see* Ashanin, V.N. 4—44558
Kovtun, V.N., Syrtsev, V.A., Tyulenev, G.F. Indicator with electric luminescent matrix screen 4—33170
Kovylyanskii, Ya.A. *see* Khrilev, L.S. 4—40073
Kovyrzina, K.A. *see* Andreeshchev, E.A. 4—33720
Kowalak, T., Kuczkowska, I. The permissible radio noise level of the Polish 750 kV overhead line insulation system 4—45138
Kowalak, T. *see* Czaplak, W. 4—45136
Kowalak, T. *see* Dabrowski, J. 4—45139
Kowalczyk, D. *see* Cramer, J.C. 4—50234
Kowalczyk, D.T. *see* Excell, P.S. 4—34010
Kowalczyk, J., Wojcik, M. Ergonomic aspects of the use of protecting equipment during the operation of power facilities 4—40813
Kowalczyk, P. *see* Grochowski, J. 4—31319
Kowalenko, V. *see* Richardson, D.D. 4—42795
Kowalik, J.S. *see* Syslo, M.M. 4—29381
Kowalski, D.C., Chen, T., DePuy, C.W., Treves, D., Sitts, G., Klinger, L., Curry, D.J., Sprague, R.A. High data rate erasable magneto-optic media tester 4—52721
Kowalski, P., Lankford, W.F., Schafft, H.A. Nondestructive measurement of solar cell sheet resistance using a laser scanner 4—44585
Kowalski, R.A. *see* Balaban, H.S. 4—46034
Kowalski, T.J., Thomas, D.E. The VLSI Design Automation Assistant: an IBM System/370 design 4—36708
Kowalski, Z. Expected forecast of the unit demand of electric energy and peak load by residential consumers in new housing estates in Poland 4—45086
Kowalski, Z. Compensation method of determining weight function for band transmission loss 4—47999
Kowalsky, W., Schlachetzki, A. InGaAs Gunn oscillators 4—41586
Kowatsch, M., Lafferl, J.T., Seifert, F.J. A DS/FM burst communication modem based on SAW elastic convolvers 4—38446
Kowel, S.T., Kornreich, P., Nouhi, A. Adaptive spherical lens 4—59275
Kowsalya *see* Dandawate, V.D. 4—52913
Koya, M. *see* Honda, M. 4—42196
Koyama, F., Suematsu, Y., Kojima, K., Furuya, K. 1.5 μm phase adjusted active distributed reflector laser for complete dynamic single-mode operation 4—37365
Koyama, F. *see* Bruberg, B. 4—59516
Koyama, F. *see* Tanbun-Ek, T. 4—31385
Koyama, H. *see* Kumabe, H. 4—53015
Koyama, J., Shirafuji, J., Inuishi, Y. Recombination-defect reaction in InP P^+-N junctions 4—51860
Koyama, J. *see* Takahashi, H. 4—47349
Koyama, K. A master key for the Rabin's public-key cryptosystem 4—31876
Koyama, M. Field trials on fiber-optic subscriber systems in Japan 4—54784
Koyama, M., Ishio, H., Nihei, F., Sakamoto, A. Optical subscriber loop system for business premises and local area applications—field trial 4—44098
Koyama, N. Canon lenses. 'Years of experience' in lens design 4—61032
Koyama, R.Y. *see* Rao, V.B. 4—51989
Koyama, S., Kashihara, T., Endo, E. Analytical study for Japan's energy system with MARKAL model 4—49657
Koyama, S., Miyadera, H., Nogita, S., Hishinuma, Y., Tamura, Z. Effect of temperature on coal gasification near the ash melting point 4—35095
Koyama, S., Nojima, H. Spectrum of frequency compressed or expanded signal by cut-splice method 4—43365
Koyama, T. Crystal Color: a full-colour, flat, liquid-crystal display system 4—61469
Koyama, T. *see* Imazu, H. 4—44183
Koyama, Y. *see* Huque Khan, M.R. 4—30400
Koyamada, Y. *see* Ohashi, M. 4—47242
Koyanagi, K., Sakuraba, I. Effects of infrared wavelength on temperature resolution of upconverter thermometers 4—33528
Koyanagi, M., Hojo, H., Nagamune, A., Ogata, J. The coaxial pipe electric heating system for pipelines 4—62878
Koyano, H. *see* Kawanishi, H. 4—54167
Koyashiki, T., Ogata, T. Design considerations in multi-output DC-DC converter with magnetic amplifier 4—45532
Koyashiki, T., Ogata, T. Design considerations in multioutput DC-DC converter with magnetic amplifiers 4—57189
Koyata, K. *see* Nishimura, T. 4—58286
Koyen, M.A., Pavlov, N.N. Statistical model of the critical frequency of the F_2 layer 4—59743
Kozaki, S., Kagawa, J. Near field behaviour by an infinite line source located near the dielectric interface 4—53204
Kozaki, S., Ohki, M., Kanetsuna, T. Reflection and transmission of the three-dimensional Gaussian beam for homogeneous multilayers 4—59736
Kozawa, H. *see* Funakawa, K. 4—56247
Kozawa, T. *see* Miyamoto, S. 4—36756
Kozawaguchi, H., Ohwaki, J., Tsujiyama, B. Thin-film electroluminescent devices with low operating voltage and high brightness 4—37238
Kozawaguchi, H. *see* Ohwaki, J. 4—52776
Kozel, V.V. *see* Vikulin, I.M. 4—52078
Kozen, A. *see* Hyuga, F. 4—59156
Kozewnikow, W. *see* Cholewicki, I. 4—62554
Kozharinov, V.V., Zatsepin, N.N. Experimental investigation of model defects in high-strength electromagnetic fields 4—58093
Kozhemyako, V.P., Doroshchenko, G.D. Universal data mapping system with mass-produced mosaic screen 4—38831
Kozhevnikov, A.V. *see* Bobrovskii, A.N. 4—42558
Kozhevnikov, K.I. Selection of the thermally optimal DC motor armature current diagrams 4—40264
Kozhevnikov, V.I. *see* Bondarenko, N.L. 4—39317
Kozhevnikov, V.V. *see* Lidak, V.Yu. 4—46407
Kozhokar, F.I. *see* Varlamov, I.V. 4—29526
Kozicki, M.N., Dinnis, A.R., Robertson, J.M. A low energy electron beam annealing system: design, capability and use 4—47100
Kozicki, Z. Multiple possibilities for multipoint networks 4—60301
Kozik, T. *see* Sosin, Z. 4—61690
Kozikowski, C. Miniaturized bidirectional WDM couplers for severe environments 4—54824
Kozin, I.V. Least favorable probability distribution in resolution of two processes with random intensities 4—46101
Kozintsev, V.I. *see* Engoyan, T.M. 4—44174
Koziol, J.S., Jr. *see* Meyerhoff, N.J. 4—46021
Kozitskii, B.D., Dobrzhanskii, R.I., Ustimenko, E.S. Revolving vane anemometer with remote indicator 4—39234
Kozliner, L.I. *see* Asatiani, T.L. 4—61719
Kozlonski, J. Some aspects of decentralized wattless power compensation in medium voltage distribution networks 4—62178
Kozlov, A.A. *see* Vladimirov, L.V. 4—33802
Kozlov, A.N. *see* Bednenko, V.S. 4—33801
Kozlov, A.S., Tolstoukhov, N.I., Yakovkin, I.B. Experimental characteristics of a matched filter block for phase-coded signals 4—30923
Kozlov, A.S., Tolstoukhov, N.I., Yakovkin, I.B. Effect of dispersion and diffraction of surface acoustic waves on the characteristics of matched filters for phase-coded signals 4—42216
Kozlov, A.V. *see* Borisovskii, S.P. 4—31440
Kozlov, E.A. *see* Vorob'ev, A.S. 4—57297
Kozlov, F.A. *see* Arnol'dov, M.N. 4—33527
Kozlov, M.I., Gershenkroi, V.L., Gordienko, N.I., Goshurenko, V.I. Automatic triggering of spark discharge gaps in a current pulse generator 4—29712
Kozlov, N.A. *see* Kerner, B.S. 4—36610
Kozlov, O.V. *see* Belousov, G.D. 4—49080
Kozlov, S.A. *see* Al'tshuler, G.B. 4—42717
Kozlov, S.A. *see* Feofilov, G.P. 4—36001
Kozlov, S.N., Levshin, N.L. Isotopic effect in the recombination on nonequilibrium charge carriers on the germanium surface 4—46799
Kozlov, V.A. Hydropower utilization scheme of the Euphrates River in Syria 4—62425
Kozlov, V.A. On the operating conditions of transformers 4—62587
Kozlov, V.N. *see* Lyamets, Yu.Ya. 4—36113
Kozlov, V.S., Senderovich, G.A., Magda, I.I., Bronshtein, E.L., Travina, Yu.Ya. Asynchronous condition sensor for generators during excitation loss 4—40213
Kozlov, V.V. Optical method of checking diameters with a photosensitive raster lattice 4—33473
Kozlov, Yu.A. *see* Kil'dishev, V.S. 4—40212
Kozlovskii, E.N. *see* Apanasevich, P.A. 4—59584
Kozlovskii, M.Yu. *see* Simeonova, Yu.M. 4—48896
Kozlovskii, V.I., Markov, E.V., Nasibov, A.S., Popov, Yu.M., Skasyrskii, Ya.K., Smirnov, V.V., Khryapov, V.T., Shaldin, Yu.V. Ultraviolet ZnO semiconductor laser with longitudinal electron-beam pumping 4—42610
Kozlovskii, V.I., Nasibov, A.S., Pekar, G.S., Polisskii, G.N. Scanning $Zn_xCd_{1-x}Se$ semiconductor laser emitting in the blue region 4—42609
Kozlovskii, V.I., Nasibov, A.S., Pekar', G.S., Polisskii, G.N. Receiving the blue component of a colour image with the aid of laser screens made of $Zn_xCd_{1-x}Se$ 4—52937
Kozlowski, A. *see* Allan, R.N. 4—34070
Kozlowski, A.E. *see* Petersen, J.S. 4—58833
Kozlowski, A.J., Georganas, N.D. Analytical modelling or packet-switched networks with two-level flow control 4—32109
Kozlowski, J.M. The influence of microcracks on the temperature dependence of resistance in ruthenium based thick film resistors 4—41609
Kozlowski, R. Follow PC-board design guidelines for lowest CMOS EMI radiation 4—41268
Kozlowski, R. *see* De Jaeger, J.C. 4—58521
Kozma, L. *see* Santa, I. 4—31313
Kozma, R.J. Semiconductors race to best year ever worldwide; markets zoom across the board 4—50382
Kozminchuk, B.W. *see* Bibby, R.J. 4—32754
Kozminski, K. *see* Kuzmicz, W. 4—36165
Kozol, E.T. *see* Bloom, R.D. 4—57082
Kozono, S., Nakashima, S., Sakamoto, M. Co-channel interference measurement using envelope differential detection on mobile communications 4—54647
Kozono, S. *see* Saburi, Y. 4—44198
Kozubovskiy, S.F. *see* Boychuk, L.M. 4—59904
Kozuka, S., Hayashi, I., Tokizawa, I. New digital data transmission system overview 4—38406
Kozuka, S. *see* Kimura, H. 4—38398
Kozuka, S.-I., Watanabe, N., Ono, S., Yamauchi, H. Signal processor architecture for high complexity speech coding 4—32000
Kozusko, A.M. Computerized plant maintenance management 4—34347
Kozyrev, S.K. Dynamic operating conditions of DC drives with changes in the motor flux 4—40534
Kozyrev, S.K. Study of D/C drive transients on variation of the motor magnetic flux 4—45678
Kozyrev, S.V. *see* Gerasimov, N.P. 4—51911
Kozyuchenok, S.S. *see* Burtsev, V.A. 4—59445
Kponou, A. *see* Sluyters, Th. 4—61622, 4—61659
Kraak, W. *see* Schaller, U. 4—30333
Krabiell, H. *see* Eisenhauer, G. 4—56807
Kraemer, E.H. *see* Heaton, J.L. 4—58536
Kraetsch, R.T. *see* Wolf, T.M. 4—51961
Krafka, F., Jr. *see* Baughman, M.L. 4—56436
Kraft, L.A., Heydt, G.T. A method to analyze voltage resonance in power systems 4—45008
Kraft, W. *see* Cases, M. 4—51136
Kraftick, K.A. *see* Copper, J.F. 4—40416
Krager, K.I. *see* Gorga, K.J. 4—35912
Krahenbuhl, L., Nicolas, A. Efficient techniques for boundary integral equation methods 4—31560
Krahl, D. *see* Rust, H.-P. 4—48619
Kraige, L.G. *see* Vadali, S.R. 4—48680
Krainov, Yu.A. *see* Aminov, R.Z. 4—56774
Kraiskii, A.V. *see* Zubov, V.A. 4—60154
Krajewski, A. *see* Goldman, I.B. 4—39319, 4—46694
Krajewski, G. *see* Domagala, J. 4—30225
Krajewski, R. Micro-logic 4—30668
Krajewski, R.A. The system 'measurement' 4—48684
Krajewski, R.A. *see* Nieznanski, J. 4—46332
Krajewski, W. *see* Kamler, J. 4—44216
Krajnik, J. *see* Malezic, M. 4—56197
Krakovskii, V.Ya. The number of bits in the weighting coefficients for a digital rolling-spectrum analyzer 4—55330
Krakow, W. Boolean algebra operations on electron microscope images 4—53897
Krakow, W. Image processing for electron microscope investigations of materials 4—61242
Kral, V. Technical development of Skoda power station blocks 4—45307
Kral, W.A. Receiver technology today and tomorrow—from VHF to satellite receiving antenna: some basics of antenna technology. II 4—42940
Kralj, A. *see* Jaeger, R.J. 4—56160
Kralova, V. *see* Dzmuran, R. 4—44662
Kram, K.E. Creating conditions to encourage mentoring in organizations 4—50418
Kramek, J.P. A design of the placement of components in hybrid IC with the application of unconstrained static optimization methods 4—51684
Kramer, C. *see* Muller, W. 4—31561
Kramer, D., Becker, K., Blatt, K., Caplar, R., Fick, D., Gemmeke, H., Haeberli, W., Jansch, H., Karban, O., Koenig, I., Luh, L., Mobius, K.-H., Necas, V., Ott, W., Tanaka, M., Tungate, G., Turkiewicz, I.M., Weller, A., Steffens, E. The source of polarized heavy ions (PSI) at the Heidelberg MP tandem 4—33623
Kramer, G.M., Wallis, R.F. Theory of impurity band conductivity in inversion layers in magnetic fields 4—51902

Kramer, H. *see* Kayser, W. 4—58105
Kramer, K. *see* Hohne, E. 4—40549
Kramer, M., Tomkiewicz, M. Porous electrodes. I. Numerical simulation using random network and single-pore models 4—57303
Kraner, H.W. *see* Tsai, H.L. 4—30543
Krank, W. Planning of VHF transmitter stations 4—60993
Krantz, L. Communication in distributed systems—new feature of Asea Master 4—48175
Kranz, H., Steiner, S. Low-cost analog signal fiber link with 300 kV isolation 4—38663
Krasavin, A.V., Ryazanov, S.V., Smirnov, A.N. Final stage wear in extraction turbines during low steam passage operation 4—40101
Krasavin, A.V., Smirnov, L.N., Ryazanov, S.V. Erosion of the trailing edges of turbine blades in the final stages of heat and power supply turbines at non-design steam consumption rates 4—34426
Krashennikov, V.V. *see* Dumnov, V.P. 4—40112
Krashininnikov, B.N. *see* Zhuravleva, L.I. 4—48675
Krasicki, R. *see* Chuquillanqui, S. 4—35774
Krasik, Ya.I. *see* Akerman, D.R. 4—39401
Krasil'nikov, M.V. *see* Belyaev, S.V. 4—62013
Krasinska, S. The transient process and the switching moments for the long Thomson's cable 4—58127
Krasinski, J. *see* Grochowski, J. 4—31319
Krasinski, J. *see* Hillman, L.W. 4—37338
Krasko, Z.K. Energy balance of low wattage single-ended metal halide lamps and the method of calculation of discharge capsule size 4—57507
Kraskowski, M. *see* Hersee, S.D. 4—37381
Krasławsky, W.P. Telecommunications monitors and queue measurement 4—48180
Krasnenko, M.U. Analysis of orbital resonance process at the magnetron oscillator cathode 4—41763
Krasner, M., Wolf, J., Karnofsky, K., Schwartz, R., Roucos, S., Gish, H. Investigation of text-independent speaker identification techniques under conditions of variable data 4—53528
Krasner, M. *see* Schwartz, R. 4—59995
Krasnikov, V.I., Sagutdinov, R.Sh. Calculation of voltage symmetrical components on opening of one phase in an 0.38 kV network 4—45081
Krasnjanski, D., Ebner, R.E. Design of the integrated inertial sensor assembly (IISA) advanced development model 4—49397
Krasnobaev, V.A., Borodenko, E.I., Evstigneev, V.G. Error correction in a system of residual classes with nonsimply connected bases 4—43127
Krasnobaev, V.A., Borodenko, E.I., Evstigneev, V.G. Tabular realisation of the modular addition operation in a system of residual classes 4—43129
Krasnopolin, I.Ya. Observation of a negative-slope region on the RF characteristic of a single-junction SQUID 4—37072
Krasnoshapka, D.M. *see* Krasnoshapka, M.M. 4—62590
Krasnoshapka, M.M., Kovalenko, G.A., Krasnoshapka, D.M., Voitekh, A.A. A controllable reactor with improved technical-economic characteristics 4—62590
Krasnoshchekov, E.P. *see* Reznik, M.M. 4—41718
Krasnov, B.A. *see* Ermolaev, V.T. 4—37771
Krasnov, V.A. *see* Kovalenko, V.F. 4—30420
Krasnov, V.F. *see* Turovskii, L.A. 4—52795
Krasnov, V.N. *see* Dryapiko, N.K. 4—59324
Krassin, H., Jost, K. Economic production of semiconductor modules 4—35276
Krasuski, P., Szwemin, P. Conductivity calculation of vacuous values by Monte-Carlo method 4—30252
Krasyuk, V.V. *see* Evchuk, V.N. 4—32468, 4—32476
Kraszewski, A. *see* Stuchly, M.A. 4—49166
Krasznahorkay, A. *see* Passoja, A. 4—55992
Krat, O.I. Calculating the surface-error scattered background of the VPA directional pattern 4—32878
Krat, O.I. Retrieving the convolution of the scattered background and source pattern on extended-source traces 4—32882
Krat, O.I. *see* Golosova, S.Ya. 4—32886
Krat, O.I. *see* Ignat'eva, I.V. 4—32883
Krath, H. Wideband distribution networks. Situation today and tomorrow 4—55042
Kratochvil, J. *see* Ho, N.J. 4—33236
Kratochwil, Z. Radical changes in the manufacture of flat squirrel cage motors 4—62540
Kratochwil, Z. Load tests of large-power DC motors 4—62552
Kratschmer, E., Erko, A., Petrashov, V.T., Beneking, H. Device fabrication by nanolithography and electroplating for magnetic flux quantization measurements 4—44590
Kratschmer, G. The Kaplan turbine—50 years after Kaplan 4—62431
Kratz, G., Arndt, G. Microprocessor-controlled 1/O multiplexer for the Siemens 300-R30 minicomputer 4—43866
Kratz, G., Schumacher, W. Signal processor optimally coupled to microcomputer 4—33195
Kratz, W. *see* Koolman, M. 4—50601
Kratzer, H.E. *see* Riedler, P. 4—40616
Kratzer, S.G., Reeves, A.P. Image restoration by parallel processing 4—53929
Kratzig, E. *see* Kukhtarev, N.V. 4—59586
Kraus, A. High frequency digital granules hygrometer 4—49050
Kraus, C. Applications for an LSI data communications controller-Nec's μPD7201A 4—54406
Kraus, C.J. *see* Feinberg, I. 4—45981
Kraus, K. Using the TI-59 to compute elliptic integrals 4—35448
Kraus, K. Designing with the OP 37 4—41211
Kraus, K. Simple V-F converter gives both sinusoidal and square-wave outputs 4—51500
Kraus, N. *see* Bertl, W. 4—33757
Kraus, P. Electrical behaviour of various types of mechanical meat cutters 4—57666
Krause, D. Avoiding interference in the application of measuring transducers 4—39148
Krause, G., Trommer, G. Provision of working means for cable laying 4—56650
Krause, G.S., Jr. Microprocessor to reduce MTTR of analog systems 4—48734
Krause, H. *see* Paasch, K. 4—39489
Krause, J., Enge, W., Beaujean, R. Electrolytical measurements for heavy ion identification in plastic detectors 4—55867
Krause, J.T. *see* Pearson, A.D. 4—52635
Krause, M.A., Peppard, L.E., Mason, J.L. Programmable logic array structures for CMOS VLSI 4—29819
Krause, R. *see* Diederichs, G. 4—41667
Krause, T. *see* Christoph, J. 4—51195
Krause, U. *see* Wray, G. 4—35837
Krause, W., Buhrandt, U. Motion transducer for positioning drives 4—55402
Krause, W., Volker, F., Weber, H. Generation of ultra-short laser pulses in the visible and near infrared for a spaceborne laser ranging transmitter 4—59383
Krause, W. *see* Segura, A. 4—41859
Krause, W. *see* Sibbett, W. 4—59684
Krauss, H. Testing of LEW mining locomotive in Soviet mining enterprises 4—45710
Krausse, E.A. Current generators for communications systems 4—54021
Kraut, E.A., Murphy, W.D. Application of parabolic partial differential equations to semiconductor device modeling 4—36510
Krauter, B.L. *see* Hanafi, H.I. 4—46469
Krautle, H., Roentgen, P., Beneking, H. Epitaxial growth of Ge on GaAs substrates 4—35480
Krautle, H. *see* Ashok, S. 4—58793
Krautle, H. *see* Kutt, W. 4—41949
Kravarik, J., Cuchy, Z., Skoda, V. Electrooptical modulators on the basis of KDP and DKDP crystals 4—59272
Kravchenko, A.F., Palkin, A.M., Sozinov, V.N., Shegai, O.A. Photo-EMF induced by a photon pulse accompanying optical transitions between Landau levels 4—37198
Kravchenko, A.F. *see* Bolkhovityanov, Yu.B. 4—58035
Kravchenko, A.I. *see* Chutov, Yu.I. 4—50113
Kravchenko, A.N. *see* Bereza, V.L. 4—62591
Kravchenko, V.B. *see* Kopylov, Yu.L. 4—37142
Kravchenko, V.I., Levchenko, E.G., Parkhomenko, Yu.N. Emission kinetics in solid-state ring laser with reentry mirror 4—42601
Kravchenko, V.I. *see* Prikhod'ko, V.M. 4—39956, 4—41198
Kravchenko, V.V. Digital-analog converter with intermediate number-pulse conversion 4—48822
Kravchenko, V.V. *see* Evchuk, V.N. 4—32476
Kravchenko, V.V. *see* Zelenovskii, Yu.E. 4—32478
Kravchenko, Z.F. *see* Doroshenko, N.A. 4—35457
Kravchuk, A.N., Shimanaev, A.N. Operation of silicon rectifiers 4—45517
Kravtseva, I.I. *see* Mironova, A.M. 4—30882
Kravtsov, Yu.A. *see* Bystrov, V.P. 4—56305
Kravtsunov, M.I. *see* Zaitsev, S.S. 4—32477
Krawczak, A.T. Rotating machinery information systems—continuous protection for offshore platforms 4—61285
Krawczyk, S., Bailly, B., Sautreuill, B., Blanchet, R., Viktorovitch, P. Processing of InP MIS devices monitored via photoluminescence measurements 4—30323
Krawczyk, Z. Satellite system of gleaning and transfer of data 4—60768
Krayenbuhl, H.P. *see* Birchler, B. 4—61765
Krebs, A.R., Kuznetsov, A.G. Pulse shaper for an electrooptic modulator 4—29746
Krebs, E.P. *see* Behn, I.M. 4—49749
Krebs, J.J., Stauss, G.H., Maisch, W.G., Rubinstein, M. Coaxial EMI feedthrough filters containing ferrite elements: analysis and test results 4—59794
Krebs, M.A. A modern technology for variable message displays in highway traffic control and mass transit applications 4—33177
Kreckel, R. A new approach to studio lighting. The opening of ZDF's new studios in Mainz-Lerchenberg 4—50209
Kreckel, R. Studio lighting equipment in the Mainz-Lerchenberg broadcasting centre 4—62810
Kreeb, H. *see* Haimerl, M. 4—41785
Kreindel', Yu.E. *see* Koval', N.N. 4—39404
Kreischer, K.E., Schutkeker, J.B., Temkin, R.J., Mulligan, W.J. High efficiency operation of a 140 GHz, pulsed gyrotron 4—36204
Kreischer, K.E., Temkin, R.J., Fetterman, H.R., Mulligan, W.J. Multimode oscillation and mode competition in high-frequency gyrotrons 4—41756
Kreischer, K.E. *see* Byerly, J.L. 4—41772
Kreischer, K.E. *see* Woskoboinikow, P. 4—36206
Kreisel, V., Jaric, V., Reicher, J.A., Ilakovac, N., Blazevic, P. Reversible generator for the Obrovac hydroelectric recovery power plant 4—56878
K.Reisinger *see* Reisinger K.
Kreisinger, V. Computation of no load characteristics and some operational parameters of synchronous machines from the distribution of magnetic field 4—49852
Kreisinger, V *see* Adam, J. 4—42763
Kreisler, A., Pyee, M., Redon, M. Parameters influencing far infrared videodetection with submicron-size Schottky diodes 4—55485
Kreissig, U. *see* Skorupa, W. 4—41960
Krejci, I. *see* Jindra, J. 4—62689
Krejci, O. Testing in electronics—experiences and knowledge gained from the measurements and testing of electronic components 4—45961
Krekelberg, D.E. A custom circuit netlist extractor with detailed parasitic measurement and node identification 4—58996
Krekhtunov, V.M., Lavrov, A.V. Electromagnetic waves in a two-dimensional periodic array of round longitudinally magnetized ferrite rods 4—31749
Kremer, P. *see* Nemeth, P. 4—51681
Kremic, M. Technical ways to connect small hydro-power plants (MHE) to the distribution network 4—62441
Kremling, K. *see* Wong, C.S. 4—44924
Krencik, P.M. *see* Herring, F.G. 4—32653
Krencik, P.M. *see* Lattanza, J. 4—52409
Krendelev, F.P. *see* Gofman, A.M. 4—61907
Krenert, Yu., Soskin, M.S., Khizhnyak, A.I. Relation of the generation characteristics of YAG:Nd^{3+} crystals to their passive optical parameters 4—42598
Krenkova, O. System of equations for a synchronous machine with supraconducting field winding 4—40221
Krentler, K.A. *see* Shewmon, D.A 4—56123
Kreskovsky, J.P., Grubin, H.L. Numerical solution of the transient, multidimensional semiconductor equations using LBI techniques 4—36511
Kress, E. Signal processors as PID controllers 4—29959
Kress, J.W. *see* Feldkamp, L.A. 4—47898
Kress, R.L. *see* LeVert, F.E. 4—34341
Kresse, K.-H. The A2030 universal LF power amplifier 4—29683
Kresslein, J.C. *see* Marchand, D.A. 4—43738
Kretinin, O.V., Elepin, A.P., Kvartalov, A.R. Automated gauging of tool clearance-face wear 4—61525
Kretschmer, F.F., Jr., Lewis, B.L., Lin, F.-C. Adaptive MTI and Doppler filter bank clutter processing 4—54857
Kretschmer, H. *see* Beiermann, N. 4—39358
Kretschmer, K.-H., Hartnagel, H.L. Some microwave properties of high-speed monolithic ICs 4—30702
Kretschmer, M. *see* Flegiel, U. 4—34650
Kretsinger, R.H. *see* Sobottka, S.E. 4—33668
Kretz, F. *see* Richard, C. 4—53398
Kretzschmar, J.L., Witterholt, E.J. Enhanced recovery surveillance using well-to-well tomography 4—35105
Kreuder, O. Development of teleprinting services by the introduction of private branch exchanges 4—32263
Kreutzer, H.W. Local multimode communication system with optical switching 4—48241
Kreutzer, H.W., Saniter, J. Long time operation of the HHI service integrated optical broadband communications system—results and review 4—32831
Kreutzer, H.W. *see* Hermes, T. 4—48483, 4—59771
Krevet, B. *see* Hagena, O.F. 4—44673
Kreymer, A. *see* Ruchti, R. 4—33680
Kreysa, E. *see* Lange, A.E. 4—61392
Kreysa, E. *see* Palaio, N.P. 4—61394
Kreysch, G. *see* Kerkow, H. 4—36412
Krichevskaya, L.Z. *see* Savin, S.N. 4—35634
Krichikov, S.Yu. *see* Yuzvenko, Yu.A. 4—35068
Krick, J.B., Potts, C.D. Dynamic fault testing of ground sensing relays 4—56688
Krick, M.S., Swansen, J.E. Neutron multiplicity and multiplication measurements 4—33655
Kriebel, C.H., Strong, D.M. A survey of the MIS and telecommunications activities of major business firms 4—54143
Kriechbaum, M. *see* Ambrosch, K.E. 4—51853
Krieg, B. Communications techniques. Btx is coming [Bildschirmtext] 4—54191
Krieg, B. Experiences with Btx: money from the picture screen 4—60453

Krier, A., Bryant, F.J. The hot electron energy distribution function in ZnS:Cu:Cl:Er thin films 4—42475
Krier, H. *see* Glumb, R.J. 4—33951
Kriete, A., Haucke, M., Gerlach, B., Harms, H., Aus, H.M., ter Meulen, V. A computer analysis of pictures taken by electron microscopes 4—32060
Kriett, J.M. *see* Stokes, K.B. 4—49309
Kriezis, E.E., Cangellaris, A.K. An integral equation approach to the problem of eddy currents in cylindrical shells of finite thickness with infinite or finite length 4—53153
Kriezis, E.E. *see* Panas, S.M. 4—34571
Krigman, A. Instruments and safety: surveying cause and effect 4—29196
Krikorian, J.S., Jr. Developing industrial cogeneration facilities using financial performance indices 4—62125
Krile, T.F. *see* Adams, J.M. 4—43408
Krimmel, E.F., Lutsch, A.G.K., Hoffmann, L., Weyrich, C. Fabrication of green-emitting monolithic GaP light-emitting diode displays by laser-induced ablation and ion implantation 4—31250
Krimmel, E.F. *see* Langfeld, R. 4—30476
Krindach, D.P. *see* Gafurov, Kh.G. 4—37306
Kringler, W. *see* Schwarzmann, P. 4—53870
Krings, H. Aspects of function and implementation in office information systems 4—54087
Krippene, B.C. *see* Curlett, P.L. 4—49756
Kripsky, A., Tringela, J. Effects of ground fault currents on the damage of stator iron of HV motors 4—49832
Krischke, W. The digital control in Satellit 300 [radio receiver] 4—54967
Krishan, Z.P. *see* Dale, V.A. 4—62144
Krishna, H., Morgera, S.D. Linear complexity fast algorithms for a class of linear equations 4—53769
Krishna, M.M. *see* Sharma, R.G. 4—52478
Krishna Murthy, K.A., Mathur, R.M. A simple phase-angle control for bridge rectifiers 4—50959
Krishna Murthy, K.A., Mathur, R.M. Novel method of sinusoidal frequency division 4—51503
Krishna Murthy, K.A., Mathur, R.M. A new firing scheme for converter control 4—62618
Krishna Sharma, B. *see* Varadarajan, K. 4—38550
Krishnakumar, A.S., Morf, M. A divide-and-conquer approach to the evaluation of the characteristic polynomial of a symmetric tridiagonal matrix 4—53355
Krishnakumar, A.S., Morf, M. A tree architecture for the symmetric eigenproblem 4—53591
Krishnamurthy, A.K. Two channel (speech and EGG) analysis for formant tracking and glottal inverse filtering 4—60005
Krishnamurthy, B. An improved min-cut algorithm for partitioning VLSI networks 4—46299
Krishnan, K.R. Estimating installation of transformers. II 4—62573
Krishnan, L.V. *see* Harvey, J. 4—52357
Krishnan, M., Trebes, J. Proposed new class of optically pumped, quasi-CW, ultraviolet and extreme ultraviolet lasers in the Be isoelectronic sequence 4—52871
Krishnan, R., Lindsay, J.F., Stefanovic, V.R. Digital simulation of current source inverter-fed induction motor drive 4—45676
Krishnan, R. *see* Deekshatulu, B.L. 4—61903
Krishnan, T.R. *see* Yegnanarayana, B. 4—47851
Krishnanunni, K. *see* Bhan, S.K. 4—61901
Krishnappa, G. Noise and vibration measurements of 50 kW Vertical Axis Wind Turbine gear box 4—40177
Krishnaprasad, P.S. Lie Poisson structures and dual-spin spacecraft 4—49346
Krishnasawamy, M.R., Menon, M.G.K., Mondal, N.K., Narasimham, V.S., Sreekantan, B.V., Hayashi, Y., Ito, N., Kawakami, S., Miyake, S. The KGF nucleon decay experiment 4—33735
Krishnaswamy, S.V., McAvoy, B.R. Temperature-compensated bulk shear microwave resonators in $LiTaO_3$ 4—59110
Krishnaswamy, S.V., McAvoy, B.R., Moore, R.A. Effect of RF bias on sputter deposited ZnO films for shear mode transducers 4—52365
Krishnaswamy, S.V. *see* Das, M.B. 4—50065
Krishtal, E.E. *see* Galunov, N.Z. 4—33719
Kriss, M. The race for market share in consumer videotex 4—48170
Kristensen, I.K., Hvam, J.M. Dispersive transport and trap saturation in doped hydrogenated amorphous silicon 4—42460
Kristensen, K.E. *see* Hovem, J.M. 4—61978
Kristensson, G. Natural frequencies of circular disks 4—47575
Kristev, I. *see* Markov, I. 4—29510
Kristiansen, P. *see* Harris, R.A. 4—37793
Kristoff, J.S. *see* Alcorn, C.N. 4—47086
Kristufek, P. Machine-insertion of LEDs 4—47357
Kritskaya, M.V. *see* Gurvich, A.K. 4—58085
Kritzinger, J.J. *see* McMurray, W.R. 4—33585
Krivchenko, G.I. *see* Karelin, V.Ya. 4—45326
Kriventsev, V.I. *see* Novikov, V.V. 4—39839
Krivitskaya, Z.K. *see* Malyushevskii, P.P. 4—36922
Krivitskii, V.I. *see* Zinger, N.M. 4—40621
Krivocheev, M. New CCIR decisions on TV broadcasting 4—60986
Krivohlavek, J. A two-dimensional model of a MESFET transistor based on GaAs 4—58932
Krivonishchenko, I.A., Breev, V.N., Rezin, M.G., Sokunov, B.A., Prudnikov, Yu.S. Use of magnetic equivalent circuits for calculating electromagnetic parameters of short cylindrical inductors 4—62584
Krivorotov, N.P. *see* Vyatkin, A.P. 4—46854
Krivoshchekov, G.V., Prots, V.I., Stupak, M.F. Externally controlled laser with stimulated-Brillouin-scattering—stimulated-thermal-scattering mirrors 4—53029
Krivoshchekov, G.V., Stupak, M.F. Simultaneous and separate excitation of stimulated Brillouin and stimulated thermal scattering in wavefront reversal 4—37461
Krivosheev, B.V. *see* Evdokimov, V.V. 4—57816
Krivosheev, M.I. *see* Vilenchik, L.S. 4—39195
Krivoshein, G.M., Trofiomov, E.Ya. System of defectless maintenance of the equipment of electric power stations 4—40050
Krivotsyuk, V.I., Mateveev, A.A., Popov, V.N. Adaptive digital filters in data-acquisition systems 4—55300
Krivov, M.A. *see* Brudnyi, V.N. 4—36273
Krivtsov, V.V. *see* Sandulyak, A.V. 4—40065
Krivushkin, L.F. *see* Ershevich, V.V. 4—45040
Krivushkin, L.F. *see* Yershevich, V.V. 4—45071
Krizek, V., Dubsek, F., Strmiska, F. On the problem of utilising the Dukovany Nuclear Electric Power Station for supplying heat to Brno 4—39992
Krizhanovs'kii, V.V. Resonance excitation of a soft wave in a cylinder with a slot and a dielectric filler 4—36008
Krizhanskii, S.M. Similarity criteria for physical modelling of arc-quenching processes in longitudinal blast chambers 4—57246
Kroczek, K.D. *see* Heinzer, W. 4—51485
Kroeger, R.C. Testability emphasis in the General Electric A/VLSI Program 4—52192
Kroeger, W.L. *see* Dierks, M.M. 4—51373
Kroeker, R. *see* Pacansky, J. 4—30503
Kroemer, H. *see* Banerjee, I. 4—29472
Kroemer, H. *see* Hancock, B.R. 4—50817
Kroemer, H. *see* Yu-Jeng Chang 4—58016
Kroesen, R. *see* Gaitanis, F. 4—35908, 4—35909
Kroger, W. *see* Albrecht, H.E. 4—44612
Kroger, W. *see* Fuchs, W. 4—55754
Krogeris, A.F., Mazurs, Yu.Ya., Rudenko, Yu.N., Cheltsov, M.B. The problems of manoeuvrability and reliability of a fuel supply system 4—39986
Krogh, F.T., Stewart, K. Asymptotic ($h \to \infty$) absolute stability for BDFs applied to stiff differential equations 4—57980
Krogstad, H.E. *see* Barstow, S.F. 4—56318
Krohn, D.A. Fiber optic sensors in industrial applications. An update 4—60881
Krohn, D.A., Vinarub, E.I. Fiber optics invade process control 4—39138
Krohn, H. *see* Beck, F. 4—34854
Kroitzsch, V., Frubrich, M. Image processing by photographic means 4—47906
Krokhin, V.V., Maslov, Yu.N., Pirogov, A.I., Khmaruk, O.N. Procedure for calculating magnetic reversal processes in magnetic cores in dynamic mode 4—37520
Krokhin, V.V. *see* Maslov, Yu.N. 4—59710
Krol-Stepniewska, L. *see* Beensh-Marchwicka, G. 4—36283
Krolik, J., Joy, M., Pasupathy, S., Eizenman, M. A comparative study of the LMS adaptive filter versus generalized correlation methods for time delay estimation 4—60063
Krolikowski, W. *see* Grochowski, L. 4—47270
Kroll, G. Digital technology in entertainment electronics 4—43569
Kroll, W. Contamination prevention and protection for process gases 4—46918
Kroll, W., Scholz, B. Application of the maximum entropy beamformer to a shallow water line array 4—61941
Kroll, W. *see* Scholz, B. 4—60922
Krolzig, A., Materlik, G., Swars, M., Zegenhagen, J. A feedback control system for synchrotron radiation double crystal instruments 4—33775
Krombach, M. *see* Kesthans, K.-F. 4—45750
Krommenhoek, A.E. Testing of data communication networks 4—54348
Kron, R. New, chlorine-free insulation liquids as impregnation agents for condensers 4—36088
Kron, R. Impregnants for modern capacitor dielectrics 4—51561
Kronberg, M. Introduction into the description of power electronic circuits and derivation by means of state graphs 4—41185
Krone, S.M., Sarwate, D.V. Quadriphase sequences for spread-spectrum multiple-access communication 4—47749
Kroneis, H.W., Marsoner, H.J. A fluorescence-based sterilizable oxygen probe for use in bioreactors 4—49114
Kronert, G. *see* Horak, W. 4—32278
Kroo, N., Szentirmay, Z., Felszerfalvi, J. Internal photoeffect in periodically corrugated MOM structures 4—30469
Kroon, J.C. *see* Glesius, F.L. 4—34338
Kroon, P., Deprettere, E.F. Experimental evaluation of different approaches to the multi-pulse coder 4—54461
Kroon, P. *see* Deprettere, F. 4—43275
Kroos, K.A., Keith, T.G. The application of thermistor anemometers to the measurement of velocities of liquids in free and forced convection flows 4—55762
Kropacz, W., Mikolajuk, K. Determination method of time-varying networks 4—46320
Kropfli, R.A., Moninger, W.R., Pasqualucci, F. Circular depolarization ratio and Doppler velocity measurements with a 35-GHz radar during the Cooperative Convective Precipitation Experiment 4—49463
Kropfli, R.A. *see* Moninger, W.R. 4—49464
Kropp, L.I., Yanovskii, L.P. The ecological requirements and effectiveness of ash removal at thermal power stations 4—40075
Kropp, W.R. *see* Jones, T.W. 4—55811
Krosnicki, M. *see* Molinski, M. 4—51645
Krotkus, A., Plitnikas, A., Shimkene, I. Threshold field of the Gunn effect and its relationship to the structure of the conduction band of $Pb_{1-x}Sn_xTe$ 4—46837
Krotkus, A. *see* Akopyan, A.A. 4—46819
Kroushev, L.S., Koltcheva, K.S. Development of the processes for activation of non-conducting surfaces in the metallization of printed circuit cards 4—46697
Krouskop, T.A., Blocker, W., Goode, B.L., Dougherty, D. An upper extremity electro-ergometer 4—49112
Krsmanovic, L., Pejovic, S. Building of small-size hydro power stations 4—45340
Krstajic, P.J. *see* Lazic, D.E. 4—43186
Krstansky, J.J. *see* Bridges, J.E. 4—40599
Krstic, D. SSB modulator with broad band quadrature networks of linear phase response 4—41258
Kruczynski, L.R. Truth trajectory estimation for global positioning system user equipment tests 4—48520
Krueger, A. A new concept of an up-to-date TV receiver 4—48571
Krueger, C.H. *see* Mazzarell, G.R. 4—49746
Krueger, J. *see* Muller, W. 4—31561
Krug, C.J., Mueller, D.A. Microprocessor based protection for electrical motors 4—62500
Krug, P.A. *see* Behn, R. 4—42563
Kruger, A.A., Mularie, W.M. Silica glass fibres: modes of degradation and thoughts on protection 4—42338
Kruger, F. *see* Finger, G. 4—50855
Kruger, G. Computer terminals as personal knowledge and communications bases 4—54084
Kruger, G., Bressner, W. Increased automation of extrusion plant using optical sensor and microcomputer 4—61381
Kruger, H.B. *see* Tsang, S. 4—38562
Kruger, M., Baur, M., Buschauer, P. Determination of electric breakdown voltage of silicone liquids for transformers 4—30830
Kruger, R. *see* Wardrip, C. 4—39331
Kruger-Elencwajg, H. *see* Hansen, D. 4—45152
Kruglii, V.P., Stefanov, S.M., Palazov, D.V., Saltiel, S.M. Technological laser marking device with microprocessor control 4—42746
Kruglikov, V.K., Tarasov, V.N. Analysis and calculation of queueing networks using the two-dimensional diffusion approximation 4—35353
Krukovskaya, L.P. *see* Polyanskaya, T.A. 4—46803
Krull, W. *see* Teng, K.W. 4—47006
Kruml, J. CMOS sequential unipolar integrated circuits 4—41323
Krumm, L.A. *see* Belyaev, L.S. 4—45047
Krumm, R.J. Durable good choice—a benefit-cost approach applied to air conditioning 4—35056
Krumme, J.-P., Doormann, V., Klages, C.-P. Measurement of the magnetooptic properties of bismuth-substituted iron garnet films using piezobirefringent modulation 4—37002
Krumpelt, M., Ackerman, J.P., Fee, D.C., Herceg, J.E., Slack, C., Lwin, Y. Advanced fuel cell concepts for the 0.1 to 100 MW range 4—49825
Krumpelt, M., Fee, D.C., Pierce, R.D., Ackerman, J.P. Application of advanced fuel cells for utility load leveling 4—40429
Krumreich, C.L. *see* Goodrich, R.R. 4—51603, 4—51663
Krumshtein, Z.V., Nikolina, A.A., Petrukhin, A.A., Khovanskii, N.N., Shelkov, G.A. Design of an electronic logic system for the RISK spectrometer using an event preselector 4—49098
Krupanidhi, S.B., Sayer, M., Mansingh, A. Electrical characterization of amorphous germanium dioxide films 4—36358
Krupka, M.C., Peaslee, A.T., Laquer, H.L. Alternative gaseous fuels safety assessment 4—35017
Krupka, S. *see* Oberle, H.-D. 4—48025
Krupka, Y. *see* Stern, R. 4—39614
Krupke, W.F. Laser drivers for inertial-fusion reactors 4—37330

Krupke, W.F. *see* Emmett, J.L. 4—53125
Krupkin, V.Kh., Levit, A.L., Ovchinnikov, V.M. Single-frequency periodic-pulse YAG:Nd^{3+} laser 4—37349
Krupovnitskas, A.V. Use of mapping algorithm for the least squares method 4—29399
Krupp, H.-J. The significance of district heating under aspects of the total economy 4—57750
Krupper, M.A. *see* Yao, S.J. 4—49130
Krus, C.J., Stoller, H.I., Wu, L.L. Metallized ceramic and multi-level hybrid fan-out technique 4—47084
Kruse, H.W., Hocker, L.P. Characterization of a fast, sensitive gamma detector utilizing microchannel plate photomultiplier 4—39445
Krush, G.P. *see* Get'man, G.K. 4—62896
Krusius, J.P. Recent advances in microfabrication of high speed semiconductor devices 4—58851
Krusius, J.P. *see* Bischoff, G. 4—36785, 4—52261
Krusius, J.P. *see* Nulman, J. 4—42165
Krustev, K., Bobev, Z. MC 16 minicomputer control systems for automated testing and electronic inspection 4—29275
Kruszynski, A. Modernization of the Warsaw telephone network by means of the digital system 4—43894
Krutiev, V.A., Popova, N.V., Devlikamova, Z.M. Rapid gas analysis during setting up of boilers 4—45281
Krutogolov, Yu.K. *see* Barkov, V.B. 4—48990
Kruus, E., Wallace, S.C. Laser-assisted collisional effects in non-linear optical phenomena: six-wave difference frequency mixing in mercury vapor 4—53056
Kruzhalov, A.V. *see* Viktorov, L.V. 4—61306
Kruzhalov, S.V. *see* Andreev, P.A. 4—42508
Kruzhalov, S.V. *see* Gusev, A.A. 4—59487
Kruzhilin, Yu.I. *see* Borisov, B.N. 4—42604
Kryachko, I.V. *see* Zimogorova, N.S. 4—47334
Kryc', A.I. *see* Baikov, V.D. 4—46436
Kryder, M.H. Magneto-optic recording technology and its potential impact on digital systems 4—47195
Kryder, M.H. *see* Re, M.E. 4—31013
Kryger, D.L., Caulfield, H.J. An automated method for typewriter print comparison 4—53842
Krylov, A.A. *see* Lidak, V.Yu. 4—46407
Krylov, A.P. Choosing a voltage for a variable-frequency synchronous motors in independent power systems 4—45420
Krylov, K.I. *see* Al'tshuler, G.B. 4—31347
Krylov, P.S. *see* Borisovskii, S.P. 4—31440
Krylov, V.V., Migunov, L.V. Allowing for the skin effect in a distributed superconductor-semiconductor-superconductor structure 4—31078
Krylov, V.V. *see* Kochetkov, A.A. 4—31943
Krylova, E.A. *see* Eremin, A.V. 4—35257
Kryshev, A.P. *see* Zubov, V.G. 4—55726, 4—61322
Krysiuk, G. *see* Gallman, T.W. 4—48712
Krysov, Yu.A. *see* Ven, V.L. 4—57940
Krystkowiak, H., Stein, Z. Cooperation between one-phase double-half rectifier and storage battery with loading 4—34752
Kryuchkov, S.M. *see* Kolyasnikov, V.A. 4—30527
Kryukov, D.K., Braudo, D.L., Aksel'rod, B.E. Investigation and improvement of an automated reel drive in a light-section rolling mill 4—62842
Kryukov, K.P., Tikhodeev, N.N., Filippov, O.O. Rational utilization of wood for 100-220 kV overhead lines 4—45133
Kryukov, P.V. *see* Kosichnik, Yu.V. 4—47494
Kryzhanovskii, V.I. *see* Yashin, V.E. 4—31488
Kryzhanovskii, V.V. *see* Andrenko, D.D. 4—36012
Krzanik, L. Evolutionary projects: dynamic optimization of delivery step structure 4—50470
Krzeminski, S.K. Identification of materials parameters in electrodynamic medium 4—48996
Krzymien, W.A., Kok, A. Nonlinear equalization for high speed digital transmission systems 4—37813
Krzysiak, D. *see* Pape, J., Jr. 4—60587
Krzywaznia, A., Ociepka, J., Szreter, Z. Total harmonic distortion measurement using digital spectral analysis 4—61520
Krzyzagorski, M. Experimental investigations of ferrite MIC circulators with circular and ring junction structure 4—58503
Krzyzanowski, W. Construction of simplified bulb-groups for small hydroelectric power stations 4—56883
Ksenofontov, A.P. Critical capacitances of supplies to electrical systems 4—57171
Kshirsagar, A.M. New auxiliary bus commutated inverter for AC motor control 4—62620
Kshnyakin, N.A. A pulsed self-excited oscillator for electromagnetic flaw inspection devices 4—58091
Ku, C.C. *see* DePaula, R.P. 4—59285
Ku, R.T. Progress in efficient/reliable semiconductor laser-to-single-mode fiber coupler development 4—54789
Ku, W.H., He, J.Q. Analysis and design of monolithic distributed GaAs MESFET amplifiers 4—58538
Ku, W.H. *see* Linderman, R.W. 4—60065, 4—60114
Ku, W.H. *see* Liu, L.C.T. 4—36050
Ku Wei-chun, Shan Kuang-chih Fast analysis of low frequency network based on microprocessor 4—55307
Kua Chou *see* Chou Kua
Kuan, D.T., Sawchuk, A.A., Strand, T.C., Chavel, P. Nonstationary 2-D recursive restoration of images with signal-dependent noise 4—60252
Kuan, T.S. *see* DiMaria, D.J. 4—52812
Kuan, T.S. *see* Jackson, T.N. 4—46865
Kuan, T.-S. *see* Tiwari, S. 4—36495
Kuang-chih Shan *see* Shan Kuang-chih
Kuba, J. *see* Dylik, M. 4—45476
Kuba, K. *see* Yoshida, T. 4—42540
Kubalek, E. *see* Bernds, A. 4—36272
Kubalek, E. *see* Gorlich, S. 4—42055
Kubanyi, J. Probabilistic reliability evaluation of nuclear reactor protection structure system 4—45251
Kubarev, A.B. *see* Rysin, V.V. 4—53053
Kubarev, A.I. Relationship between technological process reliability and technical monitoring operations 4—29303
Kubecek, A. *see* Hribek, P. 4—59489
Kubecek, V. *see* Hamal, K. 4—42713
Kubecek, V. *see* Kvapil, J. 4—42592
Kubelka, J. *see* Kvapil, J. 4—42592
Kubema, R.L., Lee, J.Y., Jullens, R.A., Brault, R.G., Middleton, P.L., Stevens, E.H. Si MOSFET fabrication using focused ion beams 4—36883
Kubesch, R., Hostertag, R. PROM programmer for VME bus 4—35790
Kubiak, R.A.A., Leong, W.Y., Parker, E.H.C. *p*-type doping in Si molecular beam epitaxy by coevaporation of boron 4—35472
Kubiatowicz, D.O. *see* Ling, C.C. 4—49330
Kubicek, Z. Reliability and its economy evaluation in a digital optic telecommunication link 4—38647
Kubicek, Z. Optical receiver with PIN photodiode-bipolar transistor 4—48485
Kubichek, R.F., Quincy, E.A., Smithson, S.B. Segmentation of 2-D seismic data 4—60267
Kubicka, V., Janik, P. The electroacoustical studio in Bratislava 4—54934
Kubin, M. Technique of using thermal sources for acquiring means for load regulation for the coverage of variable parts of daily load diagrams of a power systems 4—39785
Kubin, M., Kichler, J., Malik, S. Experience gained in Czechoslovakia with fluidized bed combustion of low calorific value fuel 4—45297
Kubina, I. Comparison of accuracy of control systems for various focused-current logging instruments 4—56270
Kubitz, W.J., Luhukay, J.F.P., Wong, F.L. An automatic NMOS cell synthesis system 4—36902
Kubler, O., Pum, D. Comparison of image averaging methods for structure determintion in molecular biology 4—53811
Kubler, O. *see* Egeli, E. 4—53869
Kubler, O. *see* Hunt, B.R. 4—47904
Kubli, R.A. *see* von Seggern, H. 4—49007
Kublitskaya, T.V. *see* Burkovskii, A.N. 4—45449
Kubo, H., Brown, D.E. Calorimeter dose determinations by direct voltage measurements on a Wheatstone-type bridge circuit 4—56225
Kubo, K. *see* Nakayama, R. 4—40017
Kubo, T. *see* Daimon, M. 4—47317
Kubo, T. *see* Ishii, K. 4—32589
Kubo, T. *see* Yamazaki, Y. 4—38409
Kuboki, S., Hirayama, T., Kato, K. Analysis and evaluation of CMOS chopper type comparator 4—51499
Kubota, C. *see* Takagi, A. 4—61653
Kubota, E., Ohmori, Y., Sugii, K. Electrical and optical properties of Mg-, Ca-, and Zn-doped InP crystals grown by the synthesis, solute diffusion technique 4—46206
Kubota, E. *see* Tohno, S. 4—30508
Kubota, H., Sasagawa, K., Amano, M., Matsuse, K. On the state observer for current source inverter-fed induction motor drive system 4—45687
Kubota, K., Murai, H., Nakatsu, H. Photoacoustic spectroscopy of semiconductor heterostructures by piezoelectric transducers 4—30404
Kubota, K. *see* Wada, T. 4—46816
Kubota, T., Okazaki, K., Ohtani, Y., Kuwayama, J. VAR compensator for industrial plants 4—40649
Kubota, T. *see* Tokuyoshi, F. 4—51238
Kubota, Y., Tsutsui, G., Hiraki, K., Kaito, Y. Splice enclosure for optical fiber subscriber cable 4—42358
Kubota, Y. *see* Yabumoto, T. 4—59921
Kubrinskaya, M.E. *see* Petrova, V.Z. 4—42393
Kubrychet, J. A rapid method of calculating additional losses in windings carrying non-sinusoidal currents 4—57100
Kubyshkin, E.A. *see* Gorelik, D.G. 4—33357
Kubyshkin, V.V. *see* Rysin, V.V. 4—53053
Kuc, R. Estimating acoustic attenuation from reflected ultrasound signals: Comparison of spectral-shift and spectral-difference approaches 4—33550
Kucewicz, W. *see* Domagala, J. 4—30225
Kuchan, J.M. *see* Koerner, R.E. 4—48359
Kuchar, F. *see* Gornik, E. 4—37351
Kucharski, J. New protections of large turbine-generator sets 4—45412
Kucharski, J. *see* Dzierzanowski, W. 4—49841
Kucharski, J. *see* Korejwo, E. 4—45151
Kucharski, M., Muzik, J. Optical attenuator 4—33353
Kucherov, A.S. *see* Gorban', I.S. 4—37313
Kucherov, V.P., Tukunov, A.H. Architecture of a distributed computer network for the collective use by the Academy of Sciences of MSSR 4—32461
Kuchinskii, V.I. *see* Fronts, K. 4—52991
Kuchinskii, V.I. *see* Kalandarishvili, K.G. 4—37379
Kuchinskii, V.I. *see* Karpov, S.Yu. 4—52696
Kuchinsky, S. Competitive flat panel displays—opportunities and limitations 4—51724
Kuchinsky A. *see* Barrett, W.A. 4—36750
Kuchta, K. Discontinuous control of a pulse converter of DC voltage 4—57156
Kuchta, K. *see* Sova, J. 4—57447
Kuczkowska, I. *see* Dabrowski, J. 4—45139
Kuczkowska, I. *see* Kowalak, T. 4—45138
Kuczynska, H. Instruments and circuits for measuring electrical quantities. IV. Electrodynamic and ferrodynamic instruments 4—61474
Kuczynska, H. Instruments and circuits for electrical quantity measurements. V. Induction instruments 4—61481
Kudasov, B.G. *see* Amelichkin, V.N. 4—33868
Kudelainen, V.I. *see* Zudkin, V.L. 4—29706
Kudel'ko, A.R. Study of dynamic characteristics of starting conditions of frequency-controlled induction motors 4—40257
Kudin, A. *see* Januskevicius, Z. 4—30388
Kudinov, N.V. *see* Lobanov, A.A. 4—55671
Kudo, H. *see* Takita, K. 4—41946
Kudo, I. *see* Murakami, H. 4—33953
Kudo, K. Arc initiation on a metal surface stained by contamination and exposed to plasma 4—30238
Kudo, K. *see* Taniguchi, H. 4—40124, 4—40127
Kudo, M. *see* Hasegawa, M. 4—47287
Kudo, M. *see* Kumasaka, N. 4—30962
Kudo, O. *see* Nishimura, T. 4—58286
Kudo, O. *see* Ozawa, T. 4—51237
Kudo, T., Fujii, S., Nanamatsu, S. A new frequency temperature compensation method for oscillators 4—30912
Kudou, Y. *see* Tokumitsu, E. 4—41052
Kudrin, V.I., Prokopchik, V.V., Martynenko, T.V. Predicting the development trends of electrical facilities for metallurgical plants 4—62843
Kudritskii, V.D., Dyatlov, G.I., Ped'ko, A.V. Check-interval determination on the basis of the actual state of means of measurement 4—55134
Kudrna, K. Preliminary test results of the electronic switching spherical array antenna 4—53318
Kudryashov, B.A., Shishkov, A.B. Angle binary-code converter 4—48823
Kudryashov, V.I., Novik, G.Kh. Signature analysers as means for formalising the adjustment and maintenance of digital equipment 4—39119
Kudryashov, V.S. *see* Tsenter, B.I. 4—45608
Kudryavtsev, A.S. *see* Tsapenko, E.F. 4—62176
Kudryavtsev, I.V. *see* Tenyakov, A.Yu. 4—62217
Kudryavtsev, Yu. *see* Lademann, J. 4—52885
Kudryavtsev, Yu.G. *see* Alekseev, G.S. 4—49077
Kudryavtseva, A.D. Investigation of the formation and self-focusing of stimulated Raman scattering of light in condensed media 4—37456
Kuech, T.F. Optical recording media 4—52535
Kuech, T.F., Meyerson, B.S., Veuhoff, E. Disilane: a new silicon doping source in metalorganic chemical vapor deposition of GaAs 4—41945
Kuech, T.F. *see* Rav-Noy, Z. 4—44447
Kuehne, B.E. *see* Mitzel, G.E. 4—48507
Kuehnl, N. Videotex and Magazines: this month's edition 4—48144
Kuekes, P.J. *see* Avila, H.J. 4—53599
Kuenning, R.W. *see* Orzechowski, T.J. 4—47368
Kuenzel, U. *see* Bayer, T. 4—30221
Kuenzel, U. *see* Elsner, G. 4—30510, 4—50850
Kuenzel, U. *see* Hinkel, H. 4—36147, 4—37025
Kuers, G. *see* Gevatter, H.-J. 4—44501
Kuester, E.F. Generalisation of the partial-power law (Brown's identity) to waveguides with lossy media 4—42898
Kuether, R.C., Green, C., Jarvis, W.M., Wardell, T. Jeffrey Energy Center—operating experience [thermal power station] 4—49757
Kuffel, E. The university's role in educating and training high voltage engineers 4—45880
Kufta, R.W., Vacroux, A.G. Improving figures of merit in three stage interconnection networks with fan-out 4—38129
Kugawa, Y., Honda, T., Ito, T., Yamamoto, A. A three-stage night-soil-treatment system using ozone for the Obihiro Nakajima treatment plant 4—62894
Kugel, L.E. *see* Davidson, A. 4—51137

Kugeler, K. *see* Barnert, H. 4—45255
Kugimiya, K. *see* Fukumoto, M. 4—30806
Kugimiya, K. *see* Tsuji, K. 4—30721
Kugiya, F., Koizumi, M., Okuwaki, T., Shinagawa, K., Uesaka, Y., Tamura, T., Fujiwara, H. Studies of spacing loss in longitudinal and perpendicular recording 4—31009
Kugler, R. *see* Bettge, H. 4—62657
Kuh, E.S. *see* Chen, N.P. 4—36758
Kuh, E.S. *see* Cheng, C.K. 4—36766
Kuh, E.S. *see* Cheng, C.-K. 4—51101
Kuh, E.S. *see* Li, J.T. 4—58292
Kuh, E.S. *see* Tarng, T.T.-K. 4—51611
Kuhl, H.-D. Fine adjustment of optical fibres 4—60857
Kuhl, J., Gobel, E.O., Pfeiffer, T., Jonietz, A. Subpicosecond carrier trapping in high-defect-density amorphous Si and GaAs 4—42455
Kuhl, J. *see* Gobel, E.O. 4—52985, 4—59511
Kuhlke, D. Transient orientational grating technique for investigations of fast molecular relaxation processes 4—47498
Kuhlke, D. *see* Diels, J.-C. 4—59468
Kuhlman, J.E. *see* Hewett, F.A. 4—42251
Kuhlmann, F., Buzo, A., Zhenyu, W. Variable bit-rate LPC encoding of speech signals 4—37910
Kuhlmann-Wisdorf, D. Theoretical speed and current density limits for different types of electrical brushes 4—45457
Kuhlwetter, J. Speech transmission with 24Kbits 4—32186
Kuhlwetter, J. A channel vocoder with maximum-value related logarithmic amplitude normalization of the spectral component 4—43834
Kuhn, A.T. Power for the future 4—34250
Kuhn, E. *see* Ghosh, S. 4—43000
Kuhn, G., Wachter, G. Large-signal behaviour of modern HF receivers in receiving systems 4—60651
Kuhn, G. *see* Brand, C. 4—33639
Kuhn, H. The latest state of the art of wireless microphone techniques 4—44344
Kuhn, J.K. *see* Coburn, T.T. 4—35108
Kuhn, K. *see* Byer, R.L. 4—53119
Kuhn, K. *see* Eggleston, J.M. 4—37344
Kuhn, M. Telecommunications in Canada—a century of symbiotic development 4—53989
Kuhn, N. Measure the noise levels of microwave components. II 4—39302
Kuhn, P.J. Networks for the internal communications and data traffic 4—54443
Kuhn, R.H., Thakor, N.V., Jones, G.W. Computer aided design of implantable VLSI systems 4—44784
Kuhn, U., Kerhart, J., Ogulewicz, S. Results to be used for optimum planning of line-of-sight radio relay lines operated in the 6 GHz range 4—48389
Kuhn, W. Influence of a time delayed speed feedback on an inverter-fed squirrel cage drive 4—57412
Kuhn, W., Moll, K. PWM inverters for industrial drives 4—49944
Kuhne, D. From counter to universal metering equipment 4—55185
Kuhne, E. Frequency divider using the U857D 4—41528
Kuhnel, C. Comparator errors in A/D convertors 4—41417
Kuhnel, G. *see* Siegel, W. 4—58730
Kuhnl, G. *see* Brandt, E. 4—56649
Kuiper, J.H. 16-line PABX with options 4—32563
Kuipers, J.A. *see* Bornebroek, D.J. 4—34545
Kuismanen, S. *see* Vuorenmaa, A. 4—39990
Kuivalainen, P. *see* Gyllenberg-Gastrin, U. 4—36289
Kuiwu Wang *see* Wang Kuiwu
Kuiwu Xue *see* Xue Kuiwu
Kujawa, S. *see* Chamerski, T. 4—62734
Kujawska, T. *see* Waszczuk, T. 4—56341
Kuka, G., Ludemann, R. Infrared radiation field of polyethylene cables 4—41637
Kukan, A. The technology of German interactive videotext 4—54184
Kukan, A. Conferences via satellite: from continent to continent 4—61101
Kukarin, V.F. *see* Vyalkov, A.I. 4—55708
Kukebayev, A.M., Sindler, Yu.B. Some properties of sequential multichannel search procedures 4—53640
Kukharchik, P.D. *see* Belyachits, A.Ch. 4—61513
Kukharskii, A.A. *see* Nasybullin, R.A. 4—36930
Kukharskii, V.Ya. *see* Zaruba, I.I. 4—45783
Kukhitov, V.A., Shleifman, I.L. Preliminary breakdown in high-voltage circuit breakers 4—57245
Kukhtarev, N.V., Kratzig, E., Kulich, H.C., Rupp, R.A., Albers, J. Anisotropic selfdiffraction in $BaTiO_3$ 4—59586
Kukhtevich, V.I. *see* Alekseev, A.G. 4—55715
Kukhtin, M.P., Kanarik, G.G. A lithium niobate modulator 4—42420
Kukhto, E.F. *see* Kosyachenko, L.A. 4—36538, 4—52805, 4—59361
Kukimoto, H. *see* Mizuta, M. 4—46238
Kukimoto, H. *see* Tanaka, S. 4—52773
Kukita, H. *see* Hinamoto, T. 4—51451
Kukita, S., Hogari, K., Katsumata, Y., Tamura, Y. Optical fiber drop line and indoor cable design and performance 4—42356
Kukita, S., Hogari, K., Kimura, T., Sakamoto, A. Coated optical fiber for high strength splice 4—44095
Kukita, S., Hogari, K., Tachikura, M. Coated optical fibers for high-strength fusion splices 4—52562
Kukita, S., Kimura, T., Nihei, F., Sakamoto, A. Coated optical fiber for high strength splice 4—44091
Kukita, S. *see* Shinohara, H. 4—44094, 4—48490
Kukla, R. *see* Roll, K. 4—29525
Kuklewicz, J. Comparator produces narrow pulses 4—41250
Kukreja, L.M., Bhawalkar, D.D., Biswas, S., Durgaprasad, N., Kajarekar, P.J., Vahia, M.N., Yadav, J.S., Basu, C., Goswami, J.N. Cutting thin sheets of allyl diglycol carbonate(CR-39) with a CW CO_2 laser instrumentation and parametric investigation 4—31539
Kukreja, L.M. *see* Biswas, S. 4—55952
Kuksa, N.N. *see* Nikitenko, N.F. 4—44306
Kukushkin, A.V., Freilikher, V.D., Fuks, I.M. Scattering of a diffraction field by turbulent oscillations of the refractive index of the troposphere 4—37580
Kukushkin, A.V., Freilikher, V.D., Fuks, I.M. Influence of random stratification on the intensity of the coherent component of a UHF signal beyond the horizon 4—42864
Kukushkin, V.A. *see* Kazakov, V.G. 4—33535
Kukushkin, V.G. *see* Anufrik, S.S. 4—37340
Kukushkin, V.M. *see* Muckhachev, Yu.S. 4—61706
Kukushkin, V.V. *see* Altukhov, I.V. 4—36357
Kula, D. The cost benefit of metal recovery in the plating shop instead of waste treatment while attaining compliance 4—51653
Kula, S. Influence of time samples quantization on chosen parameters of discrete windows 4—47815
Kulaev, V.A. *see* Beruchev, N.G. 4—61603
Kulagina, S.N. *see* Bespalov, V.I. 4—31421
Kulakov, M.P. *see* Bronnikov, A.D. 4—59561
Kulakov, M.V. *see* Taranenko, Yu.K. 4—33256
Kulakov, V.A. *see* Zaboin, V.N. 4—49835
Kulakov, Yu.P. *see* Kuznetsov, N.E. 4—40555
Kulakova, L.P. *see* Alimbek, B.B. 4—52449
Kulas, W. *see* Dreissig, D. 4—37887
Kulaszewicz, S., Jarmoc, W., Turowska, K. Electrical and optical properties of thin In_2O_3:Sn and SnO_2:Sb-In_2O_3:Sn films obtained by the hydrolysis method 4—30351
Kulchin, Yu.N. *see* Andriesh, A.M. 4—47525
Kul'chitskii, A.I., Elagina, S.P. Reducing electric power transmission losses 4—39809
Kul'chitskii, V.L., Plakhotnyi, V.P., Svechnikov, S.V., Smovzh, A.K. A theoretical analysis of the heat of dissipation processes in distributed photoconductor structures 4—31223
Kulcke, W. *see* Korth, H.-E. 4—55698
Kulcsar, S. Expected development of chemical power sources 4—34843
Kulcsar, S., Csath, G., Major, A., Batiz, G. Plastic bonded nickel-cadmium batteries for high discharge rate 4—57317
Kulcsar, S. *see* Horvath, P. 4—57301
Kulda, J., Dolezel, I. Equivalent circuit of a general idealised transformer with *n* windings 4—45473
Kulda, V. The problem of models of induction motors supplied from semiconductor electrical energy sources 4—57002
Kuleev, V.G. *see* Shuligin, V.A. 4—39316
Kuleshov, A.M. *see* Shubnikov, E.I. 4—31515
Kuleshov, G.D. *see* Abramyan, Ye.A. 4—55791
Kuleszo, Z. *see* Flisek, T. 4—43669
Kulev, A.S. *see* Onishchenko, G.B. 4—34979
Kulhanek, A. Automatic testing of mains-driven DC power supplies 4—29635
Kulich, H.C. *see* Kukhtarev, N.V. 4—59586
Kulichikhin, V.V., Gutorov, V.F., Vartanyan, M.T., Chobanyan, R.A., Lutsenko, E.V. Reducing the length of steam turbine downtime during overhaul 4—34425
Kulichikhin, V.V., Tazhiev, E.I., Leshchinskii, A.M., Zubov, P.A. Steam generator air-cooling and ways to increase its effectiveness 4—40099
Kulicka, J. Oil determination in power plant water and sewages by means of IR-spectrophotometry 4—56799
Kuliev, A.M. Statistical assessment of the effect of disturbances in a power system on the accuracy of results obtained on an electrodynamic model 4—62066
Kuliev, M.M. *see* Abasov, S.A. 4—36950
Kulig, T.S., Lambrecht, D., Liese, M. Investigation of the transient performance of superconducting generators with an advanced network-torsion machine program 4—56932
Kulig, T.S. *see* Liese, M. 4—56931
Kulik, I.O. *see* Itskovich, I.F. 4—30415
Kulik, N.V. *see* Manoilo, V.S. 4—46390
Kulikauskas, V.S. *see* Kolyasnikov, V.A. 4—30527
Kulikov, B.P. *see* Bogryi, V.S. 4—45523
Kulikov, I.I. *see* Voevodin, M.A. 4—33577
Kulikov, N.I. *see* But, D.A. 4—56917, 4—57076
Kulikova, G.G. *see* Eperin, A.P. 4—45224
Kulikova, O.Yu. *see* Gimadeeva, E.N. 4—36082
Kulikowski, J. Soft magnetic ferrites—development or stagnation? 4—42236
Kulikowski, J. Power supply of 220/110 kV substation auxiliaries from auxiliary windings of modernized 160 MVA transformers 4—57110
Kulikowski, J., Bienkowski, A. Magnetostrictive properties of $Co_x(NiZn)_{1-x}Fe_2O_4$ ferrites in the case of small changes of iron content 4—42237
Kulinski, J. Approximate theory of waveguide loop coupler 4—46612
Kulish, V.V. *see* Zakharov, V.P. 4—46767, 4—51706
Kulkarni, A.K. Correlation of C-V and reverse I-V characteristics of leaky Schottky diodes 4—36548
Kulkarni, G.S. *see* Premakumaran, N. 4—49526
Kulkarni, M.V. *see* Kelleher, K.H. 4—61532
Kulkarni, R.P. *see* Patkar, R.V. 4—33627
Kulkarni, S.J. Load series motor (Kanchan motor)—a better substitute for exhaust fan in forced air-cooled welding transformer 4—34696
Kul'ko, V.F. EM wave diffraction on perfectly conducting bodies of complex shape 4—53201
Kul'kov, M.Yu. *see* Ponomarev, L.I. 4—42984
Kul'kova, L.I. *see* Klauz, S.A. 4—60280
Kull, D., Seaman, J. Electronic mail: should computers carry your mail? 4—38220
Kull, G.M., Nagel, L.W., Lee, S.W., Lloyd, P., Prendergast, E.J., Dirks, H.K. A unified bipolar device model 4—36557
Kulla, E. Comments on 'New operational amplifiers' [by E. Kulla, with his reply] 4—58181
Kullerud, G. *see* Hwang, J.Y. 4—31619
Kullmann, U., Koester, E., Dorsch, C. Amorphous CoSm thin films: a new material for high density longitudinal recording 4—42246
Kulls, R. *see* Hoyer, V.P. 4—40283
Kulm, D. Have you checked your battery (for noise) lately? 4—40368
Kulm, D. Digital pair gain systems: a tutorial. II 4—48311
Kulm, D. Digital pair gain systems: a tutorial. I 4—48374
Kulm, D. Digital pair gain systems: a tutorial on a technology of growing importance. III 4—54067
Kul'man, N.K. Optimum discrimination algorithm of jumps in diffusion trajectories 4—37937
Kulpa, S.M. *see* Weber, B.A. 4—48902
Kulshen, Va.E.B. *see* Badulin, N.N. 4—61921
Kulski, Z., Senkowski, J. Synchronous processing of chosen variables of state of AC drive fed by current inverter 4—50131
Kulterman, R. *see* Cavill, B.R. 4—48711
Kulusic, P., Rogic, B. Teletext field trials in Yugoslavia 4—38246
Kulynych, Ya.P. *see* Gordienko, V.I. 4—53156
Kulzer, R. The eye in space: remote sensing of the Earth's surface with satellites 4—48421
Kulzer, R. Motors and sensors. Electronics in the car of the future 4—57490
Kuma, S., Soma, K., Sakaguchi, H. Generation mechanism of bow-tie trees and development of their suppression method 4—52342
Kumabe, H., Isshiki, K., Namizaki, H., Nishioka, T., Koyama, H., Takamiya, S. Mechanical stress suppressed AlGaAs high power TJS laser diodes 4—53015
Kumabe, I. *see* Matsumoto, Y. 4—39353, 4—49095
Kumada, K. *see* Hidaka, T. 4—59497
Kumagai, N. *see* Nishimura, E. 4—53265
Kumagai, N. *see* Nobuyoshi, T. 4—59215
Kumagai, N. *see* Surawatpunya, C. 4—53258
Kumagai, N. *see* Tsutsumi, M. 4—59154
Kumagai, S., Kodama, S., Kitagawa, M. Submarking reachability of marked graphs 4—29360
Kumagai, Y. *see* Yamaguchi, M. 4—31256
Kumagai, Y. *see* Yamashita, N. 4—33316
Kumagawa, M., Hayakawa, Y. On facets existing on concave interfaces in Czochralski-grown GaSb crystals 4—41036
Kumahara, T., Tominaga, H. A digital pulse-shape discriminating unit for neutron-gamma discrimination with NE213 4—39480
Kumamaru, T. *see* Sakai, T. 4—34069
Kumamoto, A., Hirane, Y. Four quadrant operation characteristics of a three-arm transistor chopper and its application to an automatically guided carrier vehicle 4—62627
Kumamoto, H. *see* Tezuka, Y. 4—50980
Kumamoto, K., Yamaguchi, S., Obara, M., Fujioka, T. Theoretical simulation of a pulsed HF/DF optical resonance transfer laser 4—42527
Kumamoto, T., Tsukamoto, K. Word processing and teletex for Japanese language 4—32275
Kumar, A. Dielectric-loaded rectangular waveguide applicator 4—61812
Kumar, A., Bekey, G.A. Recognition of consonants using an ARMA model of the speech signal 4—53566
Kumar, A., Gupta, M.C. Optimal allocation of cost to detectors in a two-unit series system 4—57874

Kumar, A., Kothari, D.P., Nanda, J. Modified coordination methods for optimizing generation schedule 4—62123
Kumar, A., Lipper, E.H. Priority handling of essential user calls in an overloaded distributed switching system 4—32546
Kumar, A., Malik, O.P. Discrete analysis of load-frequency control problem 4—49524
Kumar, A., Subrahmanyam, T.V.B., Sharma, A.D., Thyagarajan, K., Pal, B.P., Goyal, I.C. Novel refractometer using a tapered optical fibre 4—42352
Kumar, A., Varshney, R.K. Propagation characteristics of highly elliptical core optical waveguides: a perturbation approach 4—47276
Kumar, A. *see* Avanashi Ligam, A. 4—39258
Kumar, A. *see* Bindal, V.N. 4—44503
Kumar, A. *see* Dawar, A.L. 4—41910
Kumar, A.B.R., Vemuri, S. Fuel resource scheduling. II. Constrained economic dispatch 4—56505
Kumar, A.B.R., Vemuri, S., Gibbs, L.A., Hackett, D.F., Eisenhauer, J.T. Fuel resource scheduling. III. The short-term problem 4—56506
Kumar, A.B.R. *see* Vemuri, S. 4—56504
Kumar, A.D., Ramakrishna, K. Accuracy enhancement of the weight measurement of a freight car in motion 4—55713
Kumar, B.V.K.V., Carroll, C. Loss of optimality in cross correlators 4—32027
Kumar, B.V.K.Vijaya *see* Vijaya Kumar, B.V.K.
Kumar, B.V.Ratna *see* Ratna Kumar, B.V.
Kumar, G., Shafai, L. Radiation characteristics and generation of higher-order modes of circular microstrip antennas 4—59864
Kumar, G.A., Gray, F.G., Claus, R.O. Reducing the field size of Reed-Solomon codes 4—59948
Kumar, H. *see* Mehra, R.M. 4—41848
Kumar, I. Insulation coordination of the 400 kV system 4—34200
Kumar, K.P. 35 KVA uninterrupted power supply system for main Earth stations 4—38551
Kumar, K.Phani Raj *see* Phani Raj Kumar, K.
Kumar, P., Shapiro, J.H., Bondurant, R.S. Fluctuations in the phase-conjugate signal generated via degenerate four-wave mixing 4—47508
Kumar, P. *see* Bondurant, R.S. 4—53086
Kumar, P. *see* Dawar, A.L. 4—41910
Kumar, P. *see* Indulkar, C.S. 4—43923
Kumar, P.P. *see* Rathore, T.S. 4—41534
Kumar, P.R. Rearward microwave link for satellite Earth station 4—38545
Kumar, P.R.S., Merakos, L. Monotonic throughput improvement in finite user multiaccess 4—48260
Kumar, P.R.Srikanta *see* Srikanta Kumar, P.R.
Kumar, P.V., Scholtz, R.A. Bounds on the linear span of bent sequences 4—43042
Kumar, R. Convergence of a decision-directed adaptive equalizer 4—43073
Kumar, R., Chamberlain, S.G., Roulston, D.J. Two-dimensional computer simulation of the breakdown characteristics of a multi-element avalanche photodiode array 4—47348
Kumar, R.V.R., Pal, R.N. Separation of sinusoids using the constrained adaptive line enhancer 4—53709
Kumar, S. A simulation study of a multi-nodal communications network with contention 4—38175
Kumar, S., Agarwal, S.C. Light-induced changes, adsorbate effects and surface photovoltage in a-Si:H 4—36290
Kumar, S. *see* Chander, S. 4—55973
Kumar, S. *see* Govil, A.K. 4—51868
Kumar, S. *see* Ragoownsi, N.L. 4—33733
Kumar, T., Ormondroyd, R.F., Rozzi, T.E. Interstripe coupling and current spreading in a subthreshold double heterostructure twin stripe laser 4—42642
Kumar, U. Analysis of switched-capacitor networks—an overview 4—30004
Kumar, V.Jagadeesh *see* Jagadeesh Kumar, V.
Kumar Dhar, P. A distributed optimal control problem in a piezoelectric slim bar due to a point load 4—47159
Kumar Kanchan, A. Microprocessors provide speech to instruments 4—53471
Kumaresan, R., Agrawal, B.P., Sridhar, M.R. An optimum whitening filter for spectral analysis 4—38000
Kumaresan, R. *see* Baraniecki, M.R. 4—53535
Kumaresan, R. *see* Tufts, D.W. 4—53584, 4—60145
Kumari, S. *see* Singh, S.N. 4—58716
Kumari, S. *see* Vaseashta, A. 4—34900
Kumasaka, N., Saito, N., Shiroishi, Y., shiiki, K., Fujiwara, H., Kudo, M. Magnetic properties of multilayered Fe-Si films 4—30962
Kumata, K. *see* Namikawa, H. 4—50808
Kumazawa, H., Kasahara, M., Namekawa, T. A construction of vector quantizers for noisy channels 4—31874
Kumazawa, H. *see* Ueno, K. 4—37745
Kumazawa, S. *see* Hasegawa, K. 4—57480
Kumazawa, S. *see* Taniguchi, H. 4—40124
Kume, H., Takeda, E., Shimizu, A., Igura, Y., Iwata, S., Yamamoto, N., Asai, S., Hagiwara, T. Characteristics of tungsten gate MOSFETs for VLSIs 4—42139
Kume, H. *see* Ito, M. 4—36232
Kume, H. *see* Takada, E. 4—30808
Kume, M. *see* Wada, M. 4—31390
Kummer, D.A., Webb, G.E. Delayed I/O read/write circuit 4—51143
Kummer, D.A. *see* Estridge, P.D. 4—35859
Kummer, P. *see* Rake, F. 4—60493
Kummer, P. *see* Royer, D. 4—48849
Kummerle, K. *see* Bux, W. 4—48250
Kumpat, G. *see* Klages, C.-P. 4—35465
Kumpulainen, J. *see* Shapira, J.-P. 4—61727
Kumurdjian, P. Pre-diffused integrated circuits—technology and reliability 4—30776
Kun, M. Satellite distribution in the world—development, problems, prospects 4—60774
Kun Choi Keh *see* Keh Kun Choi
Kun Sun *see* Sun Kun
Kun Yu *see* Yu Kun
Kun Yu Yao *see* Yu Yao Kun
Kunath, H. Reactive power compensation in small installations 4—56431
Kunath, H. Low voltage reactive power control installations 4—56432
Kunath, H. Reactive power regulator with cyclic switching 4—57288
Kunc, J.A., Guha, S., Gundersen, M.A. A fundamental theory of high power thyratrons. I. The electron temperature 4—36240
Kunc, J.A., Gundersen, M.A. A fundamental theory of high power thyratrons. II. The production of atomic hydrogen and positive ions 4—36241
Kunc, J.A., Gundersen, M.A. Modeling of plasma devices for pulsed power 4—51719
Kunc, J.A. *see* Guha, S. 4—42525
Kunckel, K.-H. *see* Bunzel, E. 4—56924
Kundler, W. LOCK-IN circuit boards for SO-mounted ICs: click and fit 4—36127
Kundu, A., Mitra, S.K., Vaidyanathan, P.P. Application of two-dimensional generalized filtering for removal of impulsive noises from images 4—47905
Kundu, L. Effectiveness of optical detection method with stationary reference grating [for SAW detecting] 4—31201
Kundu, N.N. *see* Gupta, S.N. 4—58978
Kuner, P. *see* Maderlechner, G. 4—38067
Kunert, M. *see* Hildebrandt, B. 4—42035
Kunert, M. *see* Laurent, K.-H. 4—57617
Kunev, N., Muller, M. Electronic ignition for a two-cycle engine 4—57464
Kung, A.H. *see* Rettner, C.T. 4—59590
Kung, H.T. Systolic algorithms and their implementation 4—38022
Kung, H.T., Lam, M.S. Fault-tolerance and two-level pipelining in VLSI systolic arrays 4—41333
Kung, H.T., Lam, M.S. Fault-tolerant VLSI systolic arrays and two-level pipelining 4—53598
Kung, J. *see* Guha, S. 4—51720
Kung, K.T.-Y., Suni, I., Nicolet, M.-A. Electrical characteristics of amorphous molybdenum-nickel contacts to silicon 4—41893
Kung, M.T. *see* Armstrong, R.D. 4—46110
Kung, R. *see* Mohsen, A. 4—51193
Kung, R.I., Mohsen, A.M., Schutz, J.D., Madland, P.D., Webb, C.C., Handy, E.R., Simonsen, C.J., Guo, R.T., Yu, K.K., Chou, S. A sub 100 ns 256K DRAM in CMOS III technology 4—51247
Kung, S.-C. *see* Goodman, J.W. 4—60868
Kung, S.V. *see* Arun, K.S. 4—43391
Kung, S.Y. An algorithm basis for systolic/wavefront array software 4—55352
Kung, S.Y., Bhaskar Rao, D.V., Arun, K.S. New state space and singular value decomposition based approximate modeling methods for harmonic retrieval 4—38004
Kung, S.Y. *see* Arun, K.S. 4—37987
Kung, S.Y. *see* Bhaskar Rao, D.V. 4—53689
Kung, S.-Y. On supercomputing with systolic/wavefront array processors 4—60197
Kung, S.-Y. *see* Cremers, A.B. 4—41434
Kungs, Ya.A., Tyukhanov, Yu.M. On the selection of the design voltage for an incandescent lamp 4—62792
Kungs, Ya.A. *see* Agakhanov, L.G. 4—50213
Kuni, A. *see* Hamada, T. 4—53845
Kuniak, R.J. *see* McConnell, R.L. 4—55624
Kunieda, H. *see* Kaneko, M. 4—58130
Kunieda, T., Shinohara, K., Tomago, A. Metal evaporated video tape 4—44286
Kunii, T. *see* Senda, K. 4—44452, 4—59340
Kunikane, T., Ohtsu, M., Nakamura, T., Tako, T. A simple technique for obtaining a stable frequency sweep in a waveguide CO_2 laser 4—42521
Kunimori, H. *see* Saburi, Y. 4—44198
Kuninaga, M. *see* Miyazono, M. 4—54515
Kunisaki, T. *see* Sugihara, K. 4—58754
Kunisaki, T. *see* Takei, K. 4—58753
Kunisch, H.-J. *see* Burgel, K. 4—40759
Kunitachi, T. *see* Sakama, Y. 4—54360
Kunkel, G.M. Calculator program for computing the shielding effectiveness of barriers 4—59808
Kunkel, H. *see* Heinze, H.-J. 4—33849
Kunkel, H.A., Auld, B.A. Acoustic interface waveguide directional coupler 4—56347
Kunkel, H.A. *see* Auld, B.A. 4—52337
Kunming Xu *see* Xu Kunming
Kuno, I. Alarm display system 4—44432
Kuno, K. *see* Ota, H. 4—62299
Kuno, M. *see* Tanaka, S. 4—52773
Kunsanagi, M. *see* Tabata, J. 4—56232
Kunsch, B. *see* Almasi, G. 4—55858, 4—56211
Kunst, M., Beck, G., Tributsch, H. Time-resolved microwave conductivity (TRMC): photoeffects at semiconductor/electrolyte interfaces 4—46897
Kunt, M. Enseignement assiste par ordinateur. Atelier de traitement numerique des signaux (Computer aided instruction. Digital signal processing workshop) 4—45876
Kuntz, D. Specifying laser diode optics 4—31383
Kunxian Xu *see* Xu Kunxian
Kunz, A. Automation of ultrasonic examination during the manufacture of nuclear components 4—50253
Kunz, J.C. *see* Wong, C.M. 4—33767
Kunze, D. New principle in damping for video signals 4—54962
Kunze, D. *see* Borger, W. 4—45609
Kunze, H. New services on the existing networks in the ranges: speech, data, text 4—54094
Kunze, H. Picture screen text in the electrical trade 4—60463
Kunze, M. *see* Jurgensen, H. 4—59926
Kunze, U., Lautz, G. Tunneling spectroscopy of Landau levels in electron inversion layers on (100) Si surfaces 4—51905
Kunze, W., Kuss, H. Numerical computation of electromagnetic fields in electric machines 4—57053
Kunze, W., Kuss, H. Survey of numerical computation of magnetic fields at the TU Dresden [electric machines] 4—57057
Kunzel, H., Fischer, A., Ploog, K. Tunability of bipolar conductivity in GaAs doping superlattices 4—36310
Kunzel, H. *see* Englert, Th. 4—51837
Kunzmann, K. *see* Becker, R. 4—50483
Kunzmann, N. *see* Erlich, I. 4—44983
Kuo, J.-B., Kwon, O.-H., Galbraith, D.C., Shone, F.-C., Shott, J.D., Walker, J.T., Dutton, R.W., Meindl, J.D. A 2 μm poly-gate CMOS analog/digital array 4—51428
Kuo, S., Levi, E. Bulk distribution of fault currents in a MHD Faraday channel 4—34940
Kuo, S.P., Cheo, B.R. Analysis of the electron cyclotron maser instability 4—52827
Kuo, Y.h. *see* Chen, J.Z. 4—49036
Kuo Chan, C. *see* Van Simaeys, F.C. 4—54545
Kuo Lu-jung *see* Su Hsien-yu 4—53794
Kuo Ming *see* Ming Kuo
Kuo Shu-fen Emergency overspeed governor design or turbomachines 4—50015
Kuo-Ji Zhang *see* Zhang Kuo-Ji
Kuo-kuang Mu *see* Mu Kuo-kuang
Kuo-Liang Chen *see* Sugino, T. 4—59494
Kuo-Liang Chen *see* Yao-Hwa Wu 4—37356
Kuokshtis, E. *see* Baltrameyunas, R. 4—30393
Kuoriwa, K. *see* Itaya, Y. 4—37370
Kupczyk, A. L-band quasi-active limiter 4—46627
Kupec, P. The use of Perifeld under extreme atmospheric conditions 4—33295
Kuper, M. Loudspeakers: dynamic measurement 4—33033
Kupfer, J., Bodecker, K., Kohler, H., Muller, R. Safe procedures on electrical plant in the German Democratic Republic (GDR) 4—50464
Kupferschmid, M. *see* Ecker, J.G. 4—46136
Kupferschmid, U. *see* Degen, R. 4—62275
Kupiszewski, A. *see* McDermott, D.B. 4—58691
Kuppenheimer, J.D., Jr., Rines, G. Non-imaging concentrators as pump cavities for laser rods 4—53022
Kupper, W. *see* Kammerer, B. 4—59967
Kuppers, D. *see* Khoe, G.-D. 4—52558
Kupreichik, N.P. *see* Bondarev, S.P. 4—37137
Kuprenyuk, V.N., Semenov, V.E., Smirnova, L.D., Sherstobitov, V.E. Wave-approximation calculation of an unstable resonator with field rotation 4—59560
Kupriyanov, B.V. Automated information exchange in the AKADEMSET network 4—32465
Kupriyanov, N.L. Electron-beam-controlled hydrogen-iodine laser 4—42550
Kuptsov, A.V. *see* Gorchakov, O.E. 4—61702
Kuraev, A.A., Nefedov, E.I., Slepyan, A.Ya., Slepyan, G.Ya. High-Q open resonant structures with a thin spectrum 4—51528
Kuraev, A.A. *see* Dikun, T.F. 4—41764
Kurahashi, K. Giant screen display using an array of light emitting devices 4—61465
Kuraishi, Y., Nakayama, K., Miyadera, K. A single-chip 20-channel speech spectrum analyzer 4—59962
Kuraishi, Y., Takahashi, Y., Nakayama, K., Senba, T. A switched capacitor adaptive line equalizer for a high-speed digital subscriber loop 4—54605
Kurakado, M. Alpha-particle detection with superconductor detectors 4—37064
Kurakin, V.I. *see* Gel'man, B.S. 4—39942
Kuramata, S. *see* Ushida, N. 4—56030

Kuramitsu, M., Takase, F. Analysis of ladder oscillators using the averaged potential 4—41245
Kurasawa, R. *see* Hasegawa, T. 4—40525
Kurashige, M. Characteristic video noise in MS (magnetic-focus electrostatic-deflection) type camera tubes 4—46774
Kurashige, M. Formations of elliptical scanning electron-beam cross section for removing unscanned area in high resolution camera tubes 4—58701
Kurashov, V.N. *see* Deryugina, A.I. 4—43450
Kurashov, V.N. *see* Koblyanskii, Yu.V. 4—53052
Kurasige, M. New technologies in recent camera tubes for broadcast application 4—60970
Kurata, J. *see* Nagaoka, S. 4—34202
Kurata, M., Yoshida, J. Modeling and characterization for high-speed GaAlAs-GaAs n-p-n heterojunction bipolar transistors 4—36552
Kurata, Y. *see* Hasegawa, S. 4—41849
Kuratani, Y. *see* Kikuchi, T. 4—44185
Kuratani, Y. *see* Ohtani, A. 4—31655
Kuratev, I.I. *see* Zharikov, E.V. 4—42603
Kurayev, A.A., Solovei, M.P. Investigation of an O-type TWT with irregular slow-wave structure which is optimized with respect to efficiency 4—41781
Kurayev, A.A. *see* Gulyayev, Yu.V. 4—46766
Kurbanov, M.A. *see* Abasov, S.A. 4—36950
Kurbanova, E.I. *see* Stafeev, V.I. 4—30394
Kurbatov, A.M. *see* Alekseev, E.I. 4—42394
Kurbatov, A.M. *see* Belousov, A.N. 4—45800
Kurbatov, G.A. *see* Asatryan, S.G. 4—30447
Kurdryavtsev, E.P. Flexible busbar electrodynamic stability analysis 4—45547
Kurdydyk, R.V. *see* Konopkin, A.P. 4—33358
Kure, T., Kawamoto, Y., Hashimoto, N., Takaichi, T. VLSI device fabrication using a unique, highly-selective Si_3N_4 dry etching 4—36749
Kure, T. *see* Sunami, H. 4—46456
Kurematsu, A. *see* Yatsuzuka, Y. 4—37840
Kurfiss, B., Seibt, B. The Universal services center (UDZ) from TN 4—40821
Kurganov, S.A., Filaretov, V.V. A multi-option method of analysis of non-linear electronic circuits 4—41171
Kurganov, S.A., Filaretov, V.V. Multivariant analysis of nonlinear electronic circuits 4—41172
Kuribayashi, K. *see* Matsumoto, H. 4—40458
Kuribayashi, M., Taguchi, M. Study on contact mechanism and electric resistance characteristics for twisted conductor 4—41608
Kuribayashi, S.-I., Kamimura, K. Analysis of sequence control in a packet-switched network 4—43491
Kurihara, N., Nishikawa, M., Nagahashi, Y. A microcomputer based vibration diagnostic system for steam turbines and turbogenerators in power plants 4—55190
Kurihara, N. *see* Ito, F. 4—45278
Kurihara, N. *see* Kikuchi, T. 4—44185
Kurihara, N. *see* Ohtani, A. 4—31655
Kurihara, N. *see* Saburi, Y. 4—44198
Kurihara, R.A. *see* Weeks, R.A. 4—44855
Kurik, M.V. *see* Verzimacha, Ya.I. 4—34887
Kuriki, I. *see* Inuki, H. 4—31654
Kuriki, I. *see* Kotaki, M. 4—31703, 4—31704
Kuriki, S. *see* Konishi, H. 4—59168
Kurile, I.A., Namatsalyuk, I.N., Grudskaya, V.P. Digital automatic regulator for stabilizing the output voltage of a thyristor converter 4—57176
Kurilin, S.P. *see* Reznichenko, V.Yu. 4—57004
Kurilkin, V.V. Probability density of distorting component of quasiharmonic signal with narrow bandwidth normal noise 4—60013
Kurillin, S.P. *see* Reznichenko, V.Yu. 4—56918
Kurilo, I.G. *see* Blikh, M.Kh. 4—51330
Kurilo, I.V. *see* Akhromenko, Yu.G. 4—58007
Kurin, A.F. Stimulated radiation of oscillators when a weak longitudinal electrostatic field is applied 4—31572
Kurisu, M. *see* Dhawan, S.K. 4—29947
Kurisu, M. *see* Tanaka, K. 4—56866
Kurita, A. *see* Umegaki, S. 4—42665
Kurita, I. *see* Minemura, H. 4—31083
Kurita, K., Yuta, S., Nakajima, M. A CT image reconstruction method from projection data with quantum noise 4—33823
Kuritsyn, A.M., Shliakhter, E.M. An advanced series of motion picture lighting filters 4—40594
Kuritsyn, A.M. *see* Alfimova, N.V. 4—35044
Kuritsyn, Yu.G. *see* Kondratkova, T.A. 4—46106
Kuriyama, A. *see* Kobayashi, S. 4—61515
Kuriyama, M. *see* Spal, R. 4—56058
Kuriyama, M. *see* Takagi, S. 4—56124
Kuriyama, T., Sakuma, H., Hirata, K. A monolithic high voltage SOS/CMOS operational amplifier 4—36874
Kurki, J. *see* Heitmann, W. 4—47273
Kurkin, O.M., Shapiro, Ye.I. The solution of the nonlinear filtering problem under conditions of ambiguous measurements 4—43355
Kurkov, I.N., Milenin, N.K. High-sensitivity imagers and color TV cameras 4—44245
Kurlenda, J. Divider for phase synchronization loops programmed frequency 4—41530
Kurmaev, E.Z. *see* Dolgih, V.E. 4—56033
Kurmaev, E.Z. *see* Dolgikh, V.E. 4—61743
Kurmanova, G.T. A two-reaction method of conversion of variables in three-phase windings of asynchronous machines fed asymmetrically from single-phase mains 4—40250
Kurmantaev, A.N. *see* Nasredinov, F.S. 4—30367
Kurnevich, E.M. *see* Khutoretskii, G.M. 4—34590
Kurnosov, N.M. *see* Iordan, G.G. 4—39155
Kurobori, T., Takeuchi, N. Room temperature, stable laser action using F_2 centers in LiF:Mg, OH crystals 4—47446
Kurochka, B.Ya. *see* Shakhtarin, B.I. 4—58210
Kurochkina, T.N. *see* Firtsak, Yu.Yu. 4—37190, 4—59297
Kuroda, A., Nakagawa, M. Digital delay locked loop 4—43933
Kuroda, H., Mukawa, N., Okubo, S. Large-scale-integrated digital-digital converter for video signal coding 4—32940
Kuroda, H., Mukawa, N., Okubo, S. An intra-frame coding equipment using LSI oriented coding algorithm 4—55008
Kuroda, H. *see* Hasegawa, K. 4—29816
Kuroda, H. *see* Kanemitsu, Y. 4—41953, 4—41954
Kuroda, H. *see* Mukawa, N. 4—32989, 4—38886, 4—44303, 4—53408
Kuroda, H. *see* Nakano, N. 4—52941
Kuroda, K., Tsubono, K., Hirakawa, H. Calibration of vibration transducers 4—55384
Kuroda, K. *see* Ditta, J. 4—39413
Kuroda, K. *see* Koshio, T. 4—54911
Kuroda, S. CC-83F Type Motor Control Center 4—50016
Kuroda, S., Jitsumori, A., Inari, T. Ultrasonic imaging system for robots using an electronic scanning method 4—62018
Kuroda, S. *see* Nishiuchi, K. 4—51229
Kuroda, T. *see* Horii, K. 4—48748
Kuroedov, V.A., Pastukhov, N.N. Electric locomotive VL10U: detecting and eliminating faults in the electrical circuits 4—45700
Kuroedov, Yu.D. Transition of NT-50 superconducting foil to the normal state during rapid withdrawal of current 4—37081
Kurogi, Y. *see* Endo, N. 4—36850, 4—59028
Kuroha, M., Konishi, Y., Busujima, H. Improvement of special light sources—LED, EL 4—42492
Kuroha, T. *see* Nagasawa, K. 4—42340
Kuroiwa, D., Nakayama, M., Shinoda, T., Nanba, K., Susukida, H. Study on snow accretion on various power transmission lines 4—34203
Kuroiwa, H. *see* Saburi, Y. 4—44198
Kuroiwa, H. *see* Yoshimura, K. 4—47588
Kuroiwa, K. *see* Takahei, K. 4—37377
Kurokawa, F. *see* Matsuo, H. 4—40313
Kurokawa, H. *see* Matoba, M. 4—55977
Kurokawa, H. *see* Nukiyama, T. 4—51306
Kuroki, Y., Onda, K., Yoshihara, T., Yamada, T. Current modulation control method for a multioutput power supply 4—50979
Kuroki, Y. *see* Tanaka, Y. 4—32400
Kurono, M. *see* Kito, Y. 4—57240
Kurono, T. *see* Saito, K. 4—51718
Kuropatkin, Yu.P. *see* Amelichkin, V.N. 4—33868
Kurosawa, I., Yagi, A., Nakagawa, H., Hayakawa, H. Single flux-quantum Josephson memory with variable threshold characteristics 4—51189
Kurosawa, I. *see* Nakagawa, H. 4—51091, 4—52513
Kurosawa, K. *see* Iizuka, H. 4—47139
Kurosawa, K. *see* Sakai, Y. 4—50166
Kurosawa, K. *see* Shibata, T. 4—35809
Kurosawa, N. *see* Koike, Y. 4—32202
Kurosawa, S. *see* Takada, M. 4—29873
Kurosawa, S. *see* Terada, K. 4—58324
Kurosawa, T., Morinaga, A., Sakurai, T., Tanaka, K. Characteristics of the S/N ratio of the beat note obtained from the frequency-mixing experiments between a CO_2 and an H_2O laser 4—42695
Kurosawa, T. *see* Inaba, H. 4—57072
Kurose, J.F. *see* Sauer, C.H. 4—38286
Kurowski, J.O. *see* Besslich, P. 4—38085
Kurowski, R. Numerical determination of equalizing current during switching on a transmission line 4—49576
Kurozumi, K., Ohgushi, K. The physical and psychological factors governing sound-image quality 4—43349
Kurozumi, K., Ohgushi, K. A sound image broadening method by varying the cross-correlation coefficient between two channel acoustic signals 4—44369
Kurshev, N.V. *see* Vernik, S.M. 4—32251
Kursumovic, E. A charge simulation method for the calculation of the electrostatic field of a twin cylindrical conductor, with aspect of the calculation reliability 4—31551
Kurt, J. Aspects of the selection of the strategy of maintenance of data processing devices and office machines 4—29209
Kurten, H. *see* Voss, H.J. 4—36736
Kurth, R.F., Quintin, A.O. Universal physical memory bit fail map 4—51213
Kurth, R.R. *see* Gabel, R.A. 4—47855
Kurtz, J., Cousens, D., Dufour, M. Copper wire ball bonding 4—58661
Kurtz, M., Lyles, J.F., Stone, G.C. Experience with the CEA generator insulation partial discharge test 4—36943
Kurtz, N. *see* Atkinson, M. 4—61709
Kurtz, N. *see* Wheeler, J.W. 4—44271
Kurtzberg, J.M., Yoffa, E.J. Wiring multinode nets 4—30174
Kurumada, K. *see* Asai, K. 4—41351, 4—51200
Kurunov, R.F. *see* Alekseev, I.A. 4—42560
Kurup, M.B., Arora, B.M., Prasd, K.G., Sharma, R.P. Damage and annealing behaviour studies of Sn and Te dual implanted GaAs 4—41964
Kuruyu, I. *see* Nakatani, V. 4—52075
Kurylo, A. *see* Guillaume, W.J. 4—51951
Kuryshev, G.L. *see* Vainer, B.G. 4—30448
Kurysheva, V.M. Change with time of the density of a halftone recording on EkhB-4 electrochemical paper 4—31219
Kuryu, I. *see* Nakatani, Y. 4—47027
Kurz, A. Plans for a local studio in Stuttgart [TV] 4—54951
Kurz, G., Sehmisch, D. Delay line oscillator 4—41237
Kurz, H. The 'Alpine Emergency Call' project [radio network] 4—54623
Kurz, L. *see* Elrefaie, A.F. 4—31998
Kurz, R. *see* Tiedt, N. 4—44704
Kurze, D. *see* Sterl, H. 4—43803
Kurzynski, Z. *see* Badziak, J. 4—47422
Kus, K. W 103—PCM acoustic channels meter 4—44416
Kus, M. Gaussian laser lineshape in resonance fluorescence 4—37260
Kusaka, M., Hirai, M., Okazaki, S. Capacitance-voltage characteristics of MOS diodes and piezoelectricity of GaAs and InP 4—30440
Kusaka, T. *see* Shintani, A. 4—30802
Kusakin, N.A. *see* Gurvich, A.K. 4—35554
Kusano, C., Ishioka, S., Imamura, Y., Takasaki, Y., Shimomoto, Y., Hirai, T., Maruyama, E. A new imaging device using amorphous silicon 4—36230
Kusano, H. *see* Hashimoto, T. 4—61723
Kusano, K. Splitting and nonsplitting conditions of a Gaussian pulse in a highly twisted single-mode fiber 4—52567
Kusano, T. *see* Nukiyama, T. 4—51306
Kusano, Y. *see* Inazaki, K. 4—33464
Kushakevich, Yu.P. *see* Andreeshchev, E.A. 4—33720
Kushakevich, Yu.P. *see* Belousov, G.D. 4—49080
Kushch, O.K., Rokhlina, N.V. Analytical calculation of symmetric reflector luminaires 4—40593
Kushima, H. *see* Takei, K. 4—58753
Kushner, H.J. Approximation and robustness of estimates of escape times for systems with small noise effects 4—46109
Kushner, H.J., Shwartz, A. Weak convergence and asymptotic properties of adaptive filters with constant gains 4—43304
Kushner, R.A. *see* Abidi, A.A. 4—58185
Kushnir, A.L., Toropova, I.I., Glazer, A.A. Investigation of the magnetic properties and structure of electrolytic cobalt films and construction of magnetic devices with four stable states from such films 4—42230
Kushnir, N.Ya. *see* Gorlei, P.N. 4—30315
Kushnir, V.R. *see* Zharikov, E.V. 4—42603
Kusiak, A. Analysis of integer programming formulations of clustering problems 4—46132
Kusic, G.L., Whyte, I.A. Three phase, steady state static VAR generator filter design for power systems 4—41469
Kuskova, N.M. *see* Blinov, N.N. 4—56083
Kusmider, G., Kolczynska, C., Skowronska, M. Structural changes in electropolished tungsten wires after thermal treatment depending on the state of their surface 4—41751
Kusnezow, W.F. *see* Wladimirski, O.A. 4—45294
Kusomoto, O. *see* Ushida, N. 4—56030
Kuss, H. Computer program using the finite element method with the application of the Newton-Raphson-method [electric machines] 4—57058
Kuss, H., Korting, R. The program package 'finite difference method' 4—57059
Kuss, H. *see* Fetisov, V.V. 4—57069
Kuss, H. *see* Kunze, W. 4—57053, 4—57057
Kustarev, A.K. *see* Baduk, G.V. 4—38815
Kusters, J.F. *see* van Dijk, J.W. 4—59685
Kusters, U. The consideration of application potential in the decision-making about the employment of text communication technology 4—32303
Kustovic, I. Applications of CCITT No.7 signalling in the Zagreb (Yugoslavia) Transit telephone exchange 4—48356
Kusu, K. *see* Yoshibayashi, T. 4—61110
Kusuda, Y., Shimomichi, Y., Tanaka, S., Hikasa, N. A two-phase drive bipolar linear image sensor using zigzag arrangement of PCD shift register elements 4—61267
Kusukawa, K. *see* Ohkura, M. 4—41918
Kusunoki, T. *see* Wakao, K. 4—37363, 4—42615
Kusuoka, S., Stroock, D. The partial Malliavin calculus and its application to non-linear filtering 4—47870
Kutakhov, V.P. *see* Voitik, M.G. 4—37138

Kutasov, V.A. *see* Abduraimov, V.E. 4—58762
Kutasov, V.A. *see* Boikov, Yu.A. 4—46839, 4—46840
Kutdusov, F.Kh. *see* Aitov, I.L. 4—62615
Kuterovac, V. *see* Ivsinovic, B. 4—56879
Kutin, V.M., Kobylyanskii, A.V. Diagnostics of insulation faults in mains distribution networks above 1000 V with insulated neutral 4—56684
Kutkovetskii, V.Ya. *see* Fedorov, A.A. 4—41194
Kutomi, Y., Nobusawa, T. Exergy of solar radiation 4—50105
Kutrakov, A.P. *see* Zaganyan, Yu.I. 4—39156
Kuts, V.N. Rare-event recorder interface [pulse height analysers] 4—49094
Kutsarov, S.I. Digitally controlled amplifier 4—50999
Kutschera, W., Frekers, D., Pardo, R., Rehm, K.E., Smither, R.K., Yntema, J.L. A search for doubly-charged negative ions via accelerator mass spectrometry 4—33761
Kutsevalov, D.V., Rastrigin, L.A. Comparison of some dynamic flow allocation algorithms 4—43728
Kutsevalov, V.M. Structure and parameters of replacement schemes of asynchronous machines with saturated magnetic circuits 4—34663
Kutsuwada, N., Takayama, S., Nakano, A., Yamazaki, S., Suzuki, T. Studies on transfer of electrophotographic powder image. X. Electrostatic studies of electrophotographic powder 4—45808
Kutsuwada, N. *see* Mukai, S. 4—35474
Kutt, W., Bimberg, D., Maier, M., Krautle, H., Kohl, F., Bauser, E. Heat treatment induced redistribution of vanadium in semi-insulating GaAs:V 4—41949
Kuttler, J.R. A new method for calculating TE and TM cutoff frequencies of uniform waveguides with lunar or eccentric annular cross section 4—42900
Kuttner, H., Naumann, W. Insulation coordination in low-voltage circuits 4—44992
Kutub, A.A. *see* Khan, M.N. 4—30357
Kutzner, C. *see* Almero, R.A. 4—56872
Kutzner, C. *see* Falcon, R.P. 4—62447
Kuusisto, O. *see* Aro, M. 4—56647
Kuwabara, H. *see* Fujiyasu, H. 4—51854
Kuwabara, K., Yoshizaki, H., Subiyama, K. Single and multi-layerbuilt solid electrolyte cells with a copper ion conductor 4—57310
Kuwabara, K. *see* Hiramatsu, R. 4—57188
Kuwabara, K. *see* Kouguchi, N. 4—44184
Kuwabara, M. Japan tests its Model Communications System 4—54584
Kuwabara, N., Koga, H., Motomitsu, T. Indirect lightning surges at subscriber line ends 4—38424
Kuwabara, T., Kitamura, T., Koga, H. Impact force resistance for telecommunication cable metal sheath 4—46656
Kuwabara, T., Mochizuki, S. Plastic sheath for 2.6/9.5 mm coaxial cable 4—41640
Kuwabayashi, J. *see* Kimura, S. 4—38197
Kuwagaki, M. *see* Shirafuji, J. 4—30356
Kuwahara, H., Tanabe, T., Yoshinaga, K., Sakuma, S., Ibuki, K., Yamada, K. Investigation of dielectric recovery characteristics of hot SF_6 gas after current interruption for developing new 300 kV and 550 kV gas circuit breakers 4—57272
Kuwahara, I., Takahara, M., Amemiya, M. Considerations of SNR improvement characteristics of the optimum linear filter of systems with signal-dependent noises 4—47627
Kuwahara, K. *see* Enokizono, M. 4—40204
Kuwano, H. *see* Kato, H. 4—58806
Kuwano, Y. *see* Ohnishi, M. 4—34885
Kuwashima, H. *see* Amano, Y. 4—40087
Kuwashima, H. *see* Honda, N. 4—40089
Kuwata, J. *see* Abe, A. 4—55596
Kuwata, S., Miura, N., Yamazoe, N., Seiyama, T. Potentiometric oxygen sensor with LaF_3 operating at lower temperatures 4—48847
Kuwayama, H. *see* Hanamura, S. 4—54544
Kuwayama, J. *see* Kubota, T. 4—40649
Kuwazura, M. *see* Mochizuki, K. 4—52569
Kuwazuru, M. *see* Mochizuki, K. 4—47249, 4—52662
Kuwazuru, M. *see* Namihira, Y. 4—59239
Kuwazuru, M. *see* Nunokawa, M. 4—38612
Kuyama, K. *see* Jidai, E. 4—36971
Kuyken, H. *see* Baert, D. 4—50936
Kuze, E. *see* Ishikawa, K. 4—37176
Kuzel, R., Broukal, J., Bouse, V., Votruba, Z. Ceramic-coated copper substrates for hybrid circuits 4—41735
Kuzhnetsov, P.K. *see* Abakumov, A.M. 4—44411
Kuzichkin, A.V. On speeding up the synchronization of pseudorandom signals by a system consisting of a convolver and a recirculation delay line 4—53642
Kuzichkin, A.V. The search for pseudo-random signal delay using acoustoelectronic convolvers 4—53654
Kuzma, J.A. *see* Clark, G.M. 4—61816
Kuz'menko, A.G. *see* Zadirienko, I.M. 4—62011
Kuzmenko, N.V. *see* Zolotaryuk, A.V. 4—47553
Kuz'menko, V.S. *see* Agranovich, V.L. 4—49096
Kuzmiak, M. *see* Dzmuran, R. 4—44662
Kuz'michev, A.I. *see* Vorob'ev, A.S. 4—57297
Kuz'michev, V.M. *see* Koltok, Yu.V. 4—42681
Kuz'michev. A.I. *see* Shendakov, A.I. 4—51693
Kuzmicheva, E.V., Okolovich, M.N. Computer-aided design of distribution gear circuitry for unit-type power stations 4—45550
Kuz'micheva, K.I. *see* Belyakov, N.N. 4—39935
Kuzmicz, W., Maly, W., Marek-Sadowska, M., Kozminski, K. CAD system for automated thick film hybrid IC layout design 4—36165
Kuzmin, A.V. *see* Ignatov, V.E. 4—45472
Kuz'min, A.V. *see* Ignatov, V.Ye. 4—45521
Kuz'min, G.P. *see* Atanasov, P.A. 4—52917
Kuz'min, G.P. *see* Datskevich, N.P. 4—59449
Kuz'min, G.P. *see* Karlov, N.V. 4—47424
Kuz'min, G.P. *see* Valiev, K.A. 4—51673
Kuz'Min, I.V., Panov, Yu.F., Plavan, E.D., Val'Dman, M.R. Synthesis of dynamic model of parameters for strategic control of production establishments 4—40823
Kuz'min, K.K. Diversion of stream through hydroelectric stations with high dams during construction 4—49798
Kuz'min, V.N. Analysis of a system for gathering and for transmission of data using a small computer 4—32195
Kuz'min, V.N. Problems of data transmission based on coupling processor 4—60285
Kuz'min, V.N. *see* Basiev, A.G. 4—42554
Kuz'min, V.V. Measurement of very low pressures 4—33536
Kuz'mina, G.A. *see* Granovskaya, R.A. 4—42985
Kuzmina, I.P. *see* Kuznetsov, V.A. 4—58001
Kuz'mina, L.I. *see* Gurvich, A.K. 4—35554
Kuz'mina, Ye.K. *see* Vlasov, I.B. 4—47866
Kuz'minova, Z.I. *see* Gershberg, A.E. 4—48594
Kuz'minskii, A.S. *see* Reshidov, I.K. 4—55736
Kuznetsov, A. Spread text enciphering 4—43162
Kuznetsov, A.A. *see* Kotyuk, A.F. 4—53039
Kuznetsov, A.A. *see* Volodin, V.D. 4—39475
Kuznetsov, A.A. *see* Zagorskii, Ya.T. 4—53040
Kuznetsov, A.G. *see* Krebs, A.R. 4—29746
Kuznetsov, A.I. *see* Kosichnik, Yu.V. 4—47494
Kuznetsov, A.P., Rozhnev, A.G. The method of equivalent circuits in the theory of coupled-resonator chains [slow-wave structures] 4—51705
Kuznetsov, A.P., Rymashevskii, S.K., Shmakov, M.S. Operational amplifiers for checking and diagnosis of electronic circuits 4—52211
Kuznetsov, A.P., Selivakhin, A.I. Locating faulty insulation sections and towers on lines at 110 kV or more 4—45183
Kuznetsov, A.P. *see* Sagutdinov, R.Sh. 4—35242
Kuznetsov, A.S. *see* Vasilenko, N.D. 4—58026
Kuznetsov, A.Yu. *see* Viktorov, L.V. 4—61306
Kuznetsov, B.K. *see* Shuster, Ya.B. 4—44934
Kuznetsov, I.A., Skripova, N.M. Nondestructive measurement of the depth and hardness of the carburized case on parts of 12KhN3A and 12Kh2N4A steels 4—35532
Kuznetsov, N.E., Kulakov, Yu.P., Sebekin, I.S. A thyristor-controlled drive for ground transport 4—40555
Kuznetsov, N.N. *see* Bychkov, B.N. 4—61045
Kuznetsov, O.A. *see* Kostenko, A.A. 4—41881
Kuznetsov, P.V. *see* Syrovatka, V.V. 4—45779
Kuznetsov, S.P. *see* Bezruchko, B.P. 4—30275
Kuznetsov, S.P. *see* Bredikhin, V.I. 4—31186
Kuznetsov, V.A., Kuzmina, I.P., Sylvestrova, I.M. Hydrothermal growth of $A^{II}B^{VI}$ semiconductors 4—58001
Kuznetsov, V.A., Lanskaya, T.G., Matasova, L.P., Rokakh, A.G. Barrier→antibarrier transition in a CdSe-VO_2 contact during a metal-semiconductor phase transition 4—36318
Kuznetsov, V.A. *see* Ivanov-Smolenskii, A.V. 4—40220
Kuznetsov, V.D., Paramonov, V.K., Soshnikova, N.V. New receiving antennas for the 'Ekran' system 4—31783
Kuznetsov, V.D. *see* Igumnov, V.P. 4—45778
Kuznetsov, V.G. Reactive power compensation in networks with unsymmetrical loads 4—39778
Kuznetsov, V.G. Reactive power compensation in electric networks with asymmetrical loads 4—44987
Kuznetsov, V.G. Method for determining the domain of application of symmetrifier schemes 4—45576
Kuznetsov, V.G., Grigor'ev, A.S. Analysis of conditions of compensation of reactive power with partial symmetrization 4—45103
Kuznetsov, V.G. *see* Shidlovskii, A.K. 4—45055, 4—45080, 4—62146
Kuznetsov, V.I., Lugakov, P.F. Influence of irradiation conditions and of the impurity composition of silicon on the parameters of defect clustering regions 4—30313
Kuznetsov, V.I. *see* Al'tman, A.B. 4—30148
Kuznetsov, V.M., Besedovskii, R.Z., Pripisnov, K.N., Sungurovskii, M.A. Wideband amplifier with variable gain 4—58171
Kuznetsov, V.M. *see* Daletskii, G.S. 4—57341
Kuznetsov, V.M. *see* Lidorenko, N.S. 4—55714
Kuznetsov, V.M. *see* Voronin, A.V. 4—61486
Kuznetsov, V.O. *see* Amelichkin, V.N. 4—33868
Kuznetsov, V.V., Moskvin, P.P., Sorokin, V.S. Growth kinetics in LPE of the Ga-In-P-As system 4—46228
Kuznetsov, V.V. *see* Avrorin, A.V. 4—35539
Kuznetsova, N.A. *see* Zolotov, A.V. 4—39315
Kuznetsova, O.N. *see* Zeiliger, A.N. 4—62209
Kuznetsova, T.A. *see* Glazunov, A.A. 4—39853
Kuznik, F.C., Lemstra, W. 5ESS-PRX system architectures 4—54570
Kuzovkin, A.I. *see* Volkonskii, V.A. 4—39782, 4—44988
Kuzuma, Y. *see* Inaba, T. 4—57276
Kuzushita, H. *see* Hirashima, T. 4—52674
Kuzyakin, Yu.I., Zakurdaev, N.V., Sergeev, Yu.K., Khokhlov, I.A. Construction of a regional computer subsystem 'Ural' 4—32467
Kuzyakov, Yu.Ya. *see* Novodvorskii, O.A. 4—42588
Kvaas, R. *see* Moreland, J. 4—46873
Kvachenok, V.G. *see* Danilevich, V.V. 4—35993, 4—61318
Kvam, P. CADET: chip analysis and diagnostic evaluation tool 4—29836
Kvapil, J., Kvapil, J., Perner, B., Kubelka, J., Manek, B., Kubecek, V. Laser properties of YAG:Nd, Cr, Ce 4—42592
Kvapil, J. *see* Kvapil, J. 4—42592
Kvartalov, A.R. *see* Kretinin, O.V. 4—61525
Kvasnitsa, M.S. *see* Gorbunov, V.M. 4—29684
Kvetan, K., Oravets, I. Time properties of multi-wire proportional chambers 4—44687
Kvon, Z.D. *see* Gusev, G.M. 4—51763
Kwabwe, A.S., King, R.A. Recovery of gray scale images from approximations of their contours 4—60230
Kwak Hee-Ro *see* Hee-Ro Kwak
Kwan, H. *see* Schmitz, C. 4—51173
Kwan, H.-K. Two-dimensional passive state-space digital filter design 4—53743
Kwan, J. *see* Matuk, C.A. 4—61667
Kwan, T.J.T., Thode, L.E. Formation of virtual cathodes and microwave generation in relativistic electron beams 4—51701
Kwan, T.J.T. *see* Peratt, A.L. 4—30271
Kwan, W.L. *see* Gilmore, R.S. 4—51327
Kwan Park Byung *see* Byung Kwan Park
Kwan Un Chong *see* Chong Kwan Un
Kwang Bo Sim *see* Ju Hong Kim 4—48654
Kwang Sue Chung *see* Tae Geun Kim 4—48295
Kwang-Nam Kang Electric characterisation and application of semi-insulating GaAs 4—58080
Kwang-Won Lee *see* Yung-Kil Koh 4—50011
Kwark, Y.H. *see* Swanson, R.M. 4—45646
Kwasnicki, S., Guzik, L. Reliability of rolling bearings in electric machines 4—62498
Kwater, T. Location of measuring sensors in counterflow exchanger 4—48880
Kwiatkowski, M., Dziewulski, A. Application of energy consumption indices for the determination of demand for final energy 4—44980
Kwiatkowski, M. *see* Hejn, K. 4—47863
Kwiatkowski, W., Stabrowski, M., Tumanski, S. Numerical analysis of the shape anisotropy and anisotropy dispersion in thin film Permalloy magnetoresistors 4—31049
Kwiatkowski, W., Tumanski, S. Magnetoresistive Permalloy sensors and magnetometers 4—48827
Kwietniak, M. *see* Bouazzi, A. 4—40440
Kwok, H.-S. *see* Chiu, P.H. 4—52930
Kwon, H. *see* Forster, A. 4—33636
Kwon, O.-H. *see* Kuo, J.-B. 4—51428
Kwon, T.M., Hahn, T. Improved vibration performance in passive atomic frequency standards by servo-loop control 4—39260
Kwon, T.M. *see* Williams, H.E. 4—38999
Kwon Yong-Moo *see* Yong-Moo Kwon
Kwon Young Se *see* Young Se Kwon
Kwon Young-Ahn *see* Young-Ahn Kwon
Kwon Young-Se *see* Young-Se Kwon
Kwong, A.F., Roth, T.F., Ting, A., Trivedi, A.K. Fabrication of source material for rod-fed evaporation [magnetic disc manufacture] 4—58046
Kwong, D.L., Kwor, R., Tsaur, B.Y. Composite $TaSi_2/n^+$ polySi formation by rapid thermal annealing 4—42012
Kwong, D.L., Meyers, D.C. Calculation of the threshold voltage of metal-oxide-semiconductor field-effect transistors with Pearson-IV channel doping profile 4—52123
Kwong, D.L. *see* Kwor, R. 4—46921
Kwong, E.C., Baldwin, G.L., Hornak, T. A frequency ratio based 12-bit MOS precision binary current source 4—58159
Kwong, K. *see* Yu, L. 4—57034
Kwong, R.H., Leon-Garcia, A. Performance analysis of an integrated hybrid-switched multiplex structure 4—47923
Kwong, W.C. *see* Garforth, D.L. 4—32763
Kwor, R., Kwong, D.L., Yeo, Y.K. Rapid thermal annealing characteristics of As^+- and BF_2^+-implanted Si 4—46921
Kwor, R. *see* Kwong, D.L. 4—42012
Kwyro Lee *see* Lee Kwyro
Kyazym-zade, A.G. *see* Gasanova, L.G. 4—46857
Kychakov, V.P., Neshcheret, V.I. Selecting locally optimal control functions for complex electric power systems 4—45028
Kychkina, N.N. *see* Evtushenko, V.A. 4—39869
Kye Keun Choi *see* Chong Hwan Kim 4—49906

Kye Keun Choi *see* Jeong Moon Lee 4—46581
Kyle, H.L. *see* Jacobowitz, H 4—56291
Kynast, E.E. *see* Gorablenkow, J.M. 4—57271
Kyoon Kim Jae *see* Jae Kyoon Kim
Kyoon Lee Jay *see* Jay Kyoon Lee
Kyoto, M., Kanamori, H., Yoshioka, N., Tanaka, G., Watanabe, M. Fluorine doping in the VAD sintering process [optical fibre fabrication] 4—52613
Kyoto, M., Kawauchi, K., Yano, K. Dehydration kinetics with soot densification in the VAD process [optical fibre fabrication] 4—52617
Kyoto, M. *see* Tanaka, S. 4—31108
Kyoung Ik Cho, Moon Cheol Paek, Sung Hae Song Effects of mask misalignment and crystal defects on the breakdown characteristics in the PN junction isolation 4—51833
Kyriakopoulos, N. Cost models for remote monitoring systems 4—32422
Kyriakou, C.A. *see* Papadopoulos, D.P. 4—34804
Kyrs, F. Two-phase triangle generator 4—35687
Kyser, D.F. Monte Carlo calculations for electron microscopy, microanalysis, and microlithography 4—30500
Kyser, D.F. Monte Carlo simulation of spatial resolution limits in electron beam lithography 4—30502
Kyser, D.F., Niedrig, H., Newbury, D.E., Shimizu, R. *(editor)* Electron Beam Interactions with Solids for Microscopy, Microanalysis and Microlithography. Proceedings of the 1st Pfefferkorn Conference 4—29126
Kytin, G.A., Astrov, D.N. Deviations of temperature scales reproduced by state standards from PTS-76 4—33088
Kyu Park Han *see* Han Kyu Park
Kyu Shim Cho, Kyu Tae Park Experiments and measurements of public switching telephone network (PSTN) for the purpose of opening it to data communication 4—48365
Kyu Tae Park *see* Kyu Shim Cho 4—48365
Kyuka, M. *see* Jidai, E. 4—36971
Kyuma, K., Tai, S., Nunoshita, M. Fiber-optic laser Doppler velocimeter using an external-cavity semiconductor laser 4—52638
Kyuma, Y. *see* Higuchi, T. 4—47793
Kyun Choi Young *see* Young Kyun Choi
Kyura, N. *see* Iwakane, T. 4—57086
Kyuragi, H., Oikawa, H. A novel method for selective forming SiO_2 on Mo electrodes and the film properties 4—42011
Kyuragi, H., Oikawa, H. A novel method of selective SiO_2 formation on Mo electrodes 4—52008
Kyurkchan, A.G. Limits of applicability of the Rayleigh and Sommerfeld representations in three-dimensional wave diffraction problems 4—42840
Kyuzaki, T., Kitahara, Y., Takahashi, N., Arai, T. Energy saving 34 Mbits/s digital radio system operating in the 2 to 8 GHz frequency bands 4—60669

L. Musgrove, A.R.de *see* de L. Musgrove, A.R.
La, W. *see* Leifer, L. 4—56172
La, W.H.T. *see* Smith, R.E. 4—56155
La Cava, M. *see* Bellini, A. 4—34980, 4—57425
La Cava, M. *see* Figalli, G. 4—56992
La Cava, M. *see* Fortuna, L. 4—34503, 4—34688
La Cruz, A. *see* Izpura, J.I. 4—33426
la Cruz, G.Gonzalez de *see* Gonzalez de la Cruz, G.
la Gandara, M.J.Otero de *see* Otero de la Gandara, M.J.
La Gava, M. *see* Figalli, G. 4—57402
la Haye, C.H.de *see* de la Haye, C.H.
la Iglesia, R.Diaz de *see* Diaz de la Iglesia, R.
La Monaca, A. *see* Allocca, L. 4—33776
la Morena, G.De *see* De la Morena, G.
La Padula, C. *see* Charalambous, P.M. 4—39424
la Puente, J.A.de *see* de la Puente, J.A.
La Rocca, F.D. *see* Goksel, A.K. 4—51367
la Rosa, R.de *see* de la Rosa, R.
la Sen, M.de *see* de la Sen, M.
la Torre, V.de *see* de la Torre, V.
Laabs, F.C. *see* Verhoeven, J.D. 4—52480
Laakso, I. *see* Venuti, G.C. 4—55898
Laan, J.B.van der *see* van der Laan, J.B.
Laan, J.J.M.van der *see* van der Laan, J.J.M.
Laan, P.C.T.van der *see* van der Laan, P.C.T.
Laan, P.G.T.van der *see* van der Laan, P.G.T.
Laass The digital scope multimeter—practically a pocket instrument 4—33332
Labaar, F. A novel method for measuring pulsed phase noise, with an application in W-band 4—39290
Labaar, F. Phase noise measurement of a pulsed W-band IMPATT source 4—46624
Labarbera, R. *see* Farrant, M. 4—54786
LaBarre, R.E. *see* McCartin, B.J. 4—36513
Labart, A., Defosse, G., Salvador, W., Legros, W. The use of power semiconductors in DC circuit breakers 4—34806
LaBaugh, R.J. *see* Meredith, B.D. 4—53806
LaBaw, C. Airborne imaging spectrometer: an advanced concept instrument 4—61890
L'Abbate, A. *see* Coppini, G. 4—44718
Labek, F. On data transfer time and waiting time for polling in BSC systems 4—54320
Laber, C.A., Lemaitre, P. A 1200 baud FSK CMOS modem 4—54497
Labes, M. *see* Haas, E. 4—56772
Labes, M.M. *see* Bostwick, B.D. 4—61454
Labetoulle, J. *see* Dao, M. 4—48282
Labichev, V.N. *see* Vodovozov, A.M. 4—48913
Labini, M.Sylos *see* Sylos Labini, M.
Labit, C. *see* Dewitte, J. 4—44212
Labonte, R.C., Looft, F.J., Lutz, F.C. The NASA space shuttle: a vehicle for science and engineering education 4—35169
Labordus, N. Design techniques for rhythm generators. III 4—48627
Labossier, W.L. *see* Hoke, W.E. 4—51533
Labovskii, V.I. *see* Petrov, V.P. 4—40535
Labrie, R. *see* Cote, A. 4—33586
Labrune, M., Hamzaoui, S., Puchalska, I.B., Battarel, C., Hubert, A. Small planar domains in amorphous thin films: nucleation and equilibrium conditions 4—36997
LaBudde, E.V. Template for an optical disk specification 4—44270
LaBudde, E.V. *see* Biggs, M.P. 4—50983
Labuntsov, V.A. *see* Bulatov, O.G. 4—57152
Labutin, G.I. *see* Balandin, Yu.P. 4—61163
Labuz, J., Schalkoff, R.J. New results using an integrated model and recursive algorithm for image motion estimation 4—38037
Labuzov, A.E. Self-compensated bridge type inclination indicators with hydrostatic capacitance sensors 4—61450
Labuzov, A.E. *see* Grinevich, F.B. 4—61311
Labzov, A.A. *see* Perevodchikov, V.I. 4—34757
Lacal, J.Avellaner *see* Avellaner Lacal, J.
Lacan, V. Low voltage line protection. [Electronic equipment] 4—34220
Lacey, R. *see* Strachan, A. 4—57078
Lachiver, G., Vachon, J.-P., Seufert, W.D. An optoelectronic device to read and spell braille—Braillect 4—61818
Lachmann, J., Schafer, D., Spangenberg, H.-J. Determination of temperature profiles in carbide furnaces 4—39350
Lachmann, J.-P. Legal and tax traps in Btx 4—54274
Lachowicz, H.K., Szymczak, H. Magnetostriction of amorphous magnetic materials 4—36993
Lachs, W.R. Countering calamitous system disturbances 4—34064
Lachugin, V.F., Popov, I.N., Skolova, G.V., Zeinalov, A.D. Investigation of wave processes for extra high voltage line relay protection 4—39905
Lacki, E. Model solutions of rural telecommunication expansion: present solutions and problems 4—54126
Lacklison, D.E., Duggan, G. Determination of the minority carrier mobility of *n*-type cadmium-mercury-telluride using the Haynes-Shockley method 4—51775
Lacombe, J. *see* Mills, K. 4—58519
Lacon, J. *see* Ginesi, D. 4—61590
Lacoss, R.T. *see* Nawab, S.H. 4—53690
Lacoste, R., Muhammad, A., Segui, Y., Voumbo-Matoumona, L. Definition and use of a specific value to characterize the dielectric breakdown of thin insulating layers 4—59059
Lacoume, J.L., Latombe, C., Martin, N., Gharbi, M., Lidin, R. AR and ARMA models in spectral and multispectral analysis 4—37999
Lacourse, W.C. *see* Dey, S.K. 4—58739
Lacourt, A. *see* Anderson, L. 4—55989
Lacroix, C. *see* Mautref, M. 4—34888
Lacroix, R. *see* Jeandot, J.L. 4—37838
Lacroix, S., Bures, J., Parent, M., Lapierre, J. Use of monomode optical fiber interferometer as a temperature sensor 4—59229
Lacroix, S., Parent, M., Bures, J., Lapierre, J. Monomode optical fibre linear birefringence measurement using a thermic method 4—59187
Lacroix, S. *see* Bures, J. 4—31096
Lacy, J.C.De *see* De Lacy, J.C.
Laczko, L. *see* Davenport, J.S. 4—40846
Laczko, M. *see* Kardos, G. 4—39873
Laczkowski, R. Measurements of steam turbine rotor vibrations 4—45300
Laczkowski, R. Calculations, measurements, guarantees 4—61165
Laczkowski, R. Steam turbine bearings vibration assessment 4—62347
Ladd, J. *see* Kisner, M. 4—51353
Lademann, J., Konig, R., Kudryavtsev, Yu., Albrecht, H., Fritsch, G., Grunwald, R., Winkelmann, G. A simple excimer laser with automatic preionization 4—52885
Ladner, J.A. *see* Williams, J.A. 4—56590
Ladogubets, V.V. *see* Petrenko, A.I. 4—41142
Ladoux, N. *see* Capros, P. 4—45919
Laduzinsky, A.J. Board level computers evolve for performance 4—35832
Laduzinsky, A.J. Standardized buses drive development of microcomputer boards for control 4—35886
Ladvanszky, J. *see* Baranyi, A. 4—35656, 4—46354
Ladyka, R.B. *see* Bulat, L.P. 4—57374
Laere, I.M.R.van *see* van Laere, I.M.R.
Laeri, F. *see* Goltz, J. 4—38047
Laes, R. Fibre optics and local area networks get together 4—38277
Lafer, F. Living through deregulation of telephone communications 4—60414
Lafferl, J.T. *see* Kowatsch, M. 4—38446
Laflesh, R.C. *see* Smith, D.A. 4—62341
Lafont, A. In fact, electronic variation, how does it work? I [lighting control] 4—57537
Laforgia, A. Further inequalities for the gamma function 4—46178
Laforgia, D., Luvison, A., Zingarelli, V. Bit error rate evaluation for spread-spectrum multiple-access systems 4—53962
LaFrey, R.R. *see* Campbell, S.D. 4—61879
Lafuente, J. *see* Viswanathan, R. 4—51932
Lagadec, R. New concepts in digital audio editing 4—44381
Lagadec, R., Girsberger, H.P., Brandes, C. The design of a professional, 2-channel stationary head digital audio recorder 4—44380
Lagadec, R., Hochstrasser, B. Digital (and analogue) at Studer [audio equipment] 4—33058
Lagadec, R., Stockham, T.G., Jr. Dispersive models for A-to-D and D-to-A conversion systems 4—43397
Lagadec, R. *see* Pelloni, D. 4—53716
Lagakos, N., Cole, J.H., Bucaro, J.A. Microbend fiber optic sensor 4—59256
Lagakos, N., Schuetz, L.S., Cole, J.H., Bucaro, J.A. Optimized microbend fiber-optic displacement sensor 4—52637
Lagarias, J.C. Knapsack public key cryptosystems and Diophantine approximation 4—53421
Lagarias, J.C. *see* Brickell, E.F. 4—53423
Lage, J.Mallol *see* Mallol Lage, J.
Lagebrand, L. Teletex, spoke in the wheel for Datex 4—32265
Lagendijk, J.J.W. A new coaxial TEM radiofrequency/microwave applicator for non-invasive deep-body hyperthermia 4—39585
Lager, G. *see* Brinkmann, K. 4—55116
Lagerstedt, B. Digital multiplexers for 24 channels 4—54508
Laget, J.P. *see* Dei-Cas, R. 4—33762
Lagger, H. *see* Kammerer, B. 4—59967
Lago, A. *see* Hilbig, R. 4—31483
Lago, G.V., Xuetian Li State variable equations for circuits with mutual inductance and controlled sources from the 2b signal-flow graph 4—35597
Lago, G.V., Xuetian Li The 2b signal-flow graph in symbolic form 4—41149
Lago, G.V. *see* Xuetian Li 4—35596, 4—35599
Lago, P.J. *see* Jones, N.B. 4—49221
Lagouin, M. *see* Roux, M. 4—57356
Lagowski, J., Jastrzebski, L., Duffy, M.T., Magee, C., Cullen, G.W. The characterization of heteroepitaxial silicon by surface photovoltage technique. Improved properties in SOS films resulting from implant damage and solid-state regrowth 4—41818
Lagowski, J., Lin, D.G., Gatos, H.C., Parsey, J.M., Jr., Kaminska, M. Real and apparent effects of strong electric fields on the electron emission from midgap levels EL2 and EL0 in GaAs 4—46808
Lagowski, J. *see* Cullen, G.W. 4—35479
Lagowski, J. *see* Jastrzebski, L. 4—51893
Lagowski, J. *see* Ruda, H. 4—46225
Lagrange, G. A collection of numerical measures for setting multiprocessor applications in action 4—29779
Lagrange, G. Between logic analysers and systems, break-up or convergence? 4—39111
Lagu, R.K., Ramaswamy, V. Fabrication of single mode glass waveguides by electrolytic release of silver ions 4—52544
Laguna, J.Rivero *see* Rivero Laguna, J.
Lagunas, M.A., Gasull, A. Measuring true spectral density from ML filters (NMLM and 2-NMLM spectral estimates) 4—60054
Lahaie, I.J., Dias, A.R., Darling, G.D. Digital processing considerations for extraction of ocean wave image spectra from raw synthetic aperture radar data 4—39718
Lahart, M.J. Object identification from images of variable scale 4—53840
Lahav, A., Eizenberg, M. Interfacial reactions of Ni-Ta thin films on GaAs 4—51863
Lahiri, S.K., Suierveld, J. Two-component photoresist process for conductors 4—51670
Lahiri, S.K. *see* Reddy, A.R. 4—47827
Lahoud, M.A., Harley, R.G., Secker, A. Proportional and integral optimal control of a turbogenerator 4—56926
Lahr, J. Calculation of electrical relationships in four-terminal networks and lines. Fibonacci numbers and the Morgan-Voyce polynome are used 4—49574
Lai, F.S. Self-aligned contact process using an ion-implanted silicon nitride film as an oxidation mask 4—30536
Lai, K.-W. Test program compiler—a high level test program specification language 4—35585

Lai, N.Y. *see* Tou, C.P. 4—59912

Lai, S.K., Lee, J., Dham, V.K. Electrical properties of nitrided-oxide systems for use in gate dielectrics and EEPROM 4—36860

Lai, S.K. *see* DiMaria, D.J. 4—47038

Lai, S.T. *see* Shand, M.L. 4—31353

Laibowitz, R.B., Mitzi, D.B. Channel SQUID 4—52494

Laidig, W.D., Caldwell, P.J., Lin, Y.F., Peng, C.K. Strained-layer quantum-well injection laser 4—31368

Laidig, W.D., Peng, C.K., Lin, Y.F. Effects of strain and layer thickness on the growth of $In_xGa_{1-x}As$-GaAs strained-layer superlattices 4—50757

Laiho, J. Measurement of electromagnetic radiation at radio stations 4—60967

Laiho, Y. *see* Le Du, A. 4—34160

Laillier, M. *see* Gledhill, S. 4—39123

Laine, U.K. An all-zero model for higher pole correction 4—60007

Lairong Lu *see* Lu Lairong

Laitano, R.F., Lembo, L. Accuracy requirements for photon dosimetry in radioprotection and radiotherapy 4—39635

Lajda, P., Reichert, K. Reliability planning for industrial power systems 4—44948

Lajoie-Mazenc, M. *see* Davat, B. 4—34608

Lajoie-Mazenc, M. *see* Rezine, D.B. 4—57071

Lajos, R. *see* Tanielian, M. 4—58040

Lajtha, G. *see* Berceli, T. 4—44115

Lajza, J.J., Jr., Trumpp, H. Recessed oxide isolation structure and process 4—42101

Lake, A. A Torch network at Brunel Technical College 4—32343

Lakehal, M., Jufer, M. Finite elements calculation of polarized, anisotropic and saturated electrochemical structures 4—31028

Lakervi, E. Voltage drop limitation as a cost factor in electricity distribution network design 4—49589

Lakervi, E.O. Linear voltage regulation and loss calculation methods for low-voltage network design 4—62174

Lakha Singh *see* Somayajulu, Y.V. 4—47613

Lakhani, A.A., Urech, D., Mattingly, M. High-temperature substage for a scanning electron microscope 4—51965

Lakhani, A.A. *see* Fathimulla, A. 4—52339

Lakhani, A.A. *see* Pande, K.P. 4—36432

Lakhavani, S.T., Dawson, G.E. Study of a linear synchronous motor for high speed transport applications 4—62769

Lakhotskii, T.V., Litvinov, V.S., Pasichnyk, O.V., Yatsishin, S.P. Effect of wire imperfections on the filament life 4—62790

Lakhtakia, A. *see* Bansal, R. 4—31626

Lakin, K.M. Analysis of composite resonator geometries 4—30904

Lakin, K.M. *see* Kline, G.R. 4—52361

Lakin, K.M. *see* Wang, J.S. 4—36937

Lakin, M.M. *see* Wang, J.S. 4—52360

Lakin, P., Temple, J.L., Weiss, A., Wiltgen, P. Battery low detection with open circuit test 4—29659

Lakoba, I.S. Amplification on radon monohalides 4—47421

Lakov, N.P. *see* Kalcher, B.I. 4—56751

Lakshmanan, A.R., Raffnsoe, C., Tuyn, J.W.N. Photon energy dependence of sensitized LiF (TLD-700) phosphor 4—49329

Lal, D. *see* Jha, R. 4—56269

Lal, J. *see* Spiralski, L. 4—39303

Lal, P.K., Bonde, R.S. Load management and price intervention—some thoughts 4—49510

Lal, P.K., Kale, A.J. Conservation of electrical energy through distribution system planning approach in M.P 4—34175

Lala, P.K. *see* Roberts, M.W. 4—51150

Lalanne, D. *see* Dudelzak, B. 4—55821

Lalauze, R., Le Thiesse, J.C., Pijolat, C., Soustelle, M. SnO_2 gas sensor effect of SO_2 treatment on the electrical properties of SnO_2 4—51789

Laleg, M., Boiteux-Steffan, G., Seytre, G., Pascault, J.P. Dependence of dielectric relaxations on the cation valence of metal carboxylate ionomers 4—58067

Laleko, V.A., Raikerus, P.A. Transient injection currents in amorphous semiconductors 4—30396

Lalevic, B. *see* Cheng, C.L. 4—36641, 4—42062

Lallande, A. US satellite hit list 4—38502

Lallande, A. ITT limbers up for the clash of the US titans 4—43510

Lallande, A. Universities tap into the telephone business 4—43635

Lallande, A. Don't call me, I'll call you automatically 4—54465

Lally, A.E., Glover, K.M. Source preparation in alpha spectrometry 4—56005

Lalonde, W.T. Creating the message in videotex services 4—54232

Lam, B.P. *see* Clements, K.A. 4—62075

Lam, C. *see* DiMaria, D.J. 4—35807

Lam, C.H. *see* Crane, K.C.A. 4—37510

Lam, D.K.W. Low temperature plasma chemical vapor deposition of silicon oxynitride thin-film waveguides 4—59257

Lam, D.K.W., MacDonald, R.I. A reflex optoelectronic switching matrix 4—43914

Lam, D.K.W. *see* MacDonald, R.I. 4—42482

Lam, F.K., Leung, C.K. Real-time programmable complex-signal filter based on ultrasonic dispersive delay lines 4—58435

Lam, H.K. *see* Bowman, K.O. 4—29394, 4—29429, 4—50717

Lam, H.K. *see* Li, P.C.S. 4—55295

Lam, H.W. Silicon on insulating substrates—recent advances 4—36865

Lam, H.W. Recent advances in silicon-on-insulator technologies 4—59038

Lam, H.W. *see* Banerjee, S.K. 4—51987

Lam, H.W. *see* Shichijo, H. 4—36627

Lam, K.K.K. *see* Furrer, B. 4—41465

Lam, M.S. *see* Kung, H.T. 4—41333, 4—53598

Lam, R.U.E.'t *see* 't Lam, R.U.E.

Lam, S.H. *see* Main, G.L. 4—40498

Lam, S.S., Shankar, A.U. Protocol verification via projections 4—54372

Lam, W.W. *see* Neikirk, D.P. 4—39191, 4—48904

Lam, Y.F., Li, V.O.K. On network reliability calculations with dependent failures 4—29310

Lam, Y.M., Mouftah, H.T. Traffic history window protocol for local area bus networks 4—32416

Lamade, F. *see* Farber, L. 4—62157

Lamanna, E. *see* Baroni, G. 4—55870

Lamanov, A.L. *see* Borodulin, V.I. 4—59545

Lamar, K A macro look at micros for C^3I and support roles [communications, command, control and intelligence systems] 4—54387

Lamb, C. *see* Jones, P.A. 4—31106

Lamb, D.R. *see* Roberts, P.C.T. 4—35728

Lamb, D.R. *see* Vu, T.T. 4—29781, 4—35746

Lamb, J. *see* Foley, C. 4—35617

Lamb, J.G. *see* Scanlan, I.F. 4—52681

Lamb, J.P. Performance characteristics of organic Rankine cycles 4—56793

Lamb, M.S.M. *see* Blunt, R.T. 4—41961

Lamb, W.E., Jr. Laser theory and Doppler effects 4—52846

Lambarelli, L. *see* Barberis, G. 4—32081, 4—43489

Lambert, F. Epoxy vapor phase curing 4—46255

Lambert, J.L. *see* Cortina, A. 4—49135

Lambert, J.L.R. *see* Simarro, E. 4—49275

Lambert, J.M., Perdereau, J. Evaluation of the acoustic quality of headphones with the aid of a manakin equipped with an artificial ear 4—61111

Lambert, L. Airknives have an edge on solder defect control 4—50522

Lambert, R. *see* Lenz, P. 4—49300

Lambert, R.W., Jr., Burnet, D.L. An annotated bibliography on computers and the physically handicapped. III. The motor impaired 4—56185

Lamberti, C., Bacchi, M.L., Brancaleoni, M., Magnani, B. Ventricular arrhythmias monitoring: methods comparison 4—49250

Lamberti, C., Martelli, A., Zannoli, R., Magnani, B. Left ventricular wall motion: a new method based on motion-shortening relationship 4—49272

Lambley, R. Multi-standard modem 4—38366

Lambley, R. Multi-standard modem 4—43851

Lambley, R. Developments in cellular radio 4—43972

Lambley, R. Multi-standard modem. III 4—54486

Lamblin, C. *see* Adoul, J.-P. 4—53494

Lamboley, J. *see* Merigoux, H. 4—35564

Lambourne, A.D. NEWFOR—an advanced subtitle preparation system 4—38266

Lambrecht, D. *see* Kulig, T.S. 4—56932

Lambrecht, D. *see* Liese, M. 4—56931

Lambropoulos, J.C., Hutchinson, J.W., Bell, R.O., Chalmers, B., Kalejs, J.P. Plastic deformation influence on stress generated during silicon sheet growth at high speeds 4—29461

Lambson, M.A. *see* Stewart, T.I. 4—58588

Lamdan, T. Impact of VLSI on digital design methods and implications to design automation tools 4—29815

Lamdan, T. Design and evaluation of digital hardware 4—35724

Lamel, L.F., Zue, V.W. Properties of consonant sequences within words and across word boundaries 4—53567

Lamendola, A. Top-notch tuner timer antenna matcher design 4—53319

Lamm, I.-L. *see* Dahlin, H. 4—44771

Lammel, B. *see* Exner, H. 4—51940

Lammel, L. *see* Cieslicki, K. 4—61587

Lammer, P. On/off scheme slashes bubble memory's power drain 4—31041

Lammermann, H. *see* Feuerstein, A. 4—44287

Lammerse, H. Reliability of instrumentation 4—55151

Lammerzhal, M. *see* Schnell, E. 4—37545

Lamming, P.A. Low frequency oscillators 4—51017

Lamont, J.W. *see* Armor, A.F. 4—49736

Lamont, R.G. *see* Hill, K.O. 4—52669

Lamothe, R.J., Scally, C.R. Qualifying commercial grade instruments for use in nuclear power generating stations. I 4—56785

Lamouche, D. *see* Clechet, P. 4—30454

Lamoureux, G. *see* Lecomte, R. 4—39539

Lamoureux, G. *see* Petrillo, G.A. 4—39450

Lampell, A. *see* Oeh, G. 4—44186

Lampert, M.O. *see* Burger, P. 4—33711

Lampert, N.R. Field installation techniques and tools for the biconic connector 4—32834

Lamport, L. Using time instead of timeout for fault-tolerant distributed systems 4—43731

Lampropoulos, G.A., Fahmy, M.M. On 2-D FIR and IIR filter design 4—53739

Lampton, M. *see* Firmani, C. 4—46778

Lams, J.L., Verhoeven, J. The integrated air-conditioning system of the 'De Bogerd' office building of EBES 4—62831

Lamsa, A. *see* Kirchhoff, G. 4—44409

Lamy, F. *see* Meyrueis, P. 4—59647

Lamy, J. Mobile telecommunications 4—43985

Lan Gu *see* Tang Shing 4—31448

Lana, M.Yu. Frequency analysis of the structure of sound reflections in broadcasting studios 4—60968

Lanam, R.D., Robertson, A.R. Ruthenium contacts resist chemical attack in communications use 4—30567

Lanaro, A. *see* Di Benedetto, M.G. 4—53568

Lanca, M.J.A. A variable metric projection method for minimizing general functions subject to upper and lower bounds on the variables [electronic circuit design] 4—46287

Lanca, M.J.A. *see* Teixeira, I.M.C. 4—29598, 4—29833

Lancaster, J.F. The physics of welding 4—40652

Lancaster, P., Middleton, B. Multiplexing utilities in general aviation aircraft 4—49386

Lancaster, P. *see* Gohberg, I. 4—29413

Lancaster, R.R., Berndt, M.J. Alternative energy development in the USA—the effectiveness of state government incentives 4—56718

Lancranjan, I. *see* Negoita, N. 4—52939

Lanczos, P. *see* Besenyei, F. 4—45742

Land, D.V. A 3 GHz clinical microwave thermography system 4—39561

Landais, S. *see* Bernard, J.J 4—54793

Landau, H.J. Extrapolating a bandlimited function from its samples taken in a finite interval 4—37948

Landau, I.D. A feedback system approach to adaptive filtering 4—43311

Landau, J., Wyner, A.D. Optimum waveform signal sets with amplitude and energy constraints 4—37803

Landauer, E.G., Danna, R. The need for technical staff training 4—62333

Landberg, T. *see* Dahlin, H. 4—44771

Lande, K. *see* Brown, K. 4—55814

Landecker, T.L. A coaxial cable delay system for a synthesis radio telescope 4—54925

Landell, B.P., Naylor, J.A., Wohlford, R.E. Effect of vector quantization on a continuous speech recognition system 4—53552

Lander, V., Parekh, J.P. MSSW delay line based oscillators 4—29701

Lander, W., Parekh, J.P. Tunable MSW oscillator employing narrowband delay lines 4—52473

Landers, J.D., Jr. *see* Blue, L.A. 4—46505

Landgraf, C. *see* Gallwitz, B. 4—56979

Landgren, G. *see* Himpsel, F.J. 4—56047

Landgren, G. *see* Morar, J.F. 4—51999

Landgren, G.L., Cole, D.G. Reliability evaluation of offsite power supply to generating stations 4—49571

Landham, E.C. *see* Puille, W. 4—53175

Landi, V.R. *see* Wright, R.E. 4—41670

Landin, A.R. *see* Wang, J.S. 4—36937, 4—52360

Landis, D.A. *see* Goulding, F.S. 4—33703

Landis, D.A. *see* Loo, B.W. 4—55401

Landis, D.A. *see* Varnell, L.S. 4—33778

Landis, D.L. *see* Rosenberg, G. 4—49312

Landman, H.A. OPUSI: an optical digital position sensor 4—36908

Lando, V.S. Parallel transfer of digital information by channel communication with 'discontinuities' 4—38160

Landreth, J. *see* Harmon, J. 4—44166

Landry, L.G., Levine, H.R. Sleeving insulation for use on VPI form wound coils. II 4—30880

Landry, M. *see* Canal, M. 4—45098

Landry, P.G. *see* Whaley, H. 4—62340

Landsberg, B. *see* Neske, E. 4—55438

Landsberg, E.G. *see* Kagan, M.S. 4—59315

Landsberg, P.T. What future has photovoltaics? 4—50092

Landsberg, P.T. *see* Scholl, E. 4—42645

Landstorfer, F., Metzger, K. Differential phase centres of reflector aerials 4—37742

Landwehr, G. *see* Honlein, W. 4—52132, 4—58810

Landwehr, G. *see* Remenyi, G. 4—51836

Landy, C.F. *see* Kerszenbaum, I. 4—57016

Lane, E. *see* Park, H.K. 4—46970

Lane, J.G. Resists for storage ring X-ray lithography 4—51931

Lane, M. Public access videotex 4—32313

Lane, M. The US scene [videotex] 4—43712

Lane, M. Videotex: a history of trials and errors 4—54220

Lane, M.L. *see* Hanna, W.T. 4—40673

Lane, N. *see* Goodwin, L. 4—35211

Lane, R.F. *see* Mahoney, T.L. 4—59820

Lane, S.M. Measuring the neutron energy spectrum of laser fusion targets with CR-39 4—55917
Lane, S.O. *see* Caulfield, M.F. 4—31795
Lanfen Liu *see* Liu Lanfen
Lang, A. Kaplan pumps 4—62344
Lang, A.H. Second generation Vortac equipment 4—38701
Lang, D.V. *see* Chen, M.C. 4—36087
Lang, G. Problems, methods and interpretation possibilities in comparing electricity prices of different countries 4—34032
Lang, G. To compare prices of electricity in various countries is not a simple matter 4—56418
Lang, H. Optimisation of matrix coefficients in colour TV recording devices 4—38866
Lang, J. The challenge of engineering management for urban governments in the 1980s 4—40761
Lang, M. *see* Hundt, E. 4—43451
Lang, M.A. *see* Teunon, I.C. 4—38498
Lang, R., Nishi, K. Electronic state localization in semiconductor superlattices 4—46844
Lang, R. *see* Kaede, K. 4—42344
Lang, R.C., Doyle, J.F. Power costs of thirteen electric generation technologies 4—49540
Lang, R.H., Schneider, A., Altman, F.J. Scatter model for pulsed radio transmission through forests 4—32658
Lang, S.B. Review of recent work on pyroelectric applications 4—30938
Lang, S.W. Confidence regions for spectral bounds 4—53733
Lang, T.M. *see* LeBold, W.K. 4—35178
Lang, V.O. Interoperability—the key to C^3 systems in support of USPACOM 4—32197
Lang, W. Special qualities and availability of parts [nuclear power plants] 4—34272
Lang Liu *see* Liu Lang
Langarica Rivera, A.De *see* De Langarica Rivera, A.
Langbein, U., Lederer, F., Ponath, H.-E. Nonstationary nonlinear phenomena in optical slab-waveguides. I. General theory 4—37123
Langbein, U., Lederer, F., Ponath, H.-E. Nonstationary nonlinear phenomena in optical slab-waveguides. II. Pulse shaping by a nonlinear overlay 4—37124
Langdon, G.G., Jr. An adaptive run-length coding algorithm 4—31867
Langdon, G.G., Jr. *see* Cain, J.T. 4—35190
Lange, A.E., Kreysa, E., McBride, S.E., Richards, P.L., Haller, E.E. Improved fabrication techniques for infrared bolometers 4—61392
Lange, D.J., Lo, J., Moore, E.B. Magnetron lift-off process with tapered sidewalls 4—30484
Lange, E. *see* Takacs, D. 4—36855
Lange, F. Filter methods in measurement technique. II. Mathematical modelling for indeterminate measurements 4—43298
Lange, F. Methods of filtering in measuring technology. II. Mathematical modelling of undetermined test objects 4—43299
Lange, F. Filtering methods of the measurement technique. II. Mathematical modelling of non-deterministic measurement objects 4—53605
Lange, F.H. Filter methods in measurement technique. II 4—61164
Lange, F.-H. On the further development of the correlation analysis. III. The Cepstrum method 4—47861
Lange, H. Radio sound and TV picture transmission on optical fibres in the subscriber networks 4—54832
Lange, J. Final apparatus connection level in a digital local message system 4—43799
Lange, J. Low-cost modem circuit meets Bell Standard 212A 4—43849
Lange, J. New 1200 BPS LSI modem integrated circuits 4—51060
Lange, J. *see* Charatischwili, N.G. 4—37848
Lange, J. *see* Kaufhold, B. 4—43798
Lange, J.A. X-ray spectroscopy of human skin as contaminant on semiconductors 4—36410
Lange, J.C. The ATS-1 communications model: quasi-mass audio networks for education and social service 4—54113
Lange, J.R. *see* Renni, Q. 4—48430
Lange, L. Semiconductor thermoelectric sensors, linear between ice and boiling water 4—55389
Lange, M., Reimer, L., Tollkamp, C. Testing of detector strategies in scanning electron microscopy by isodensities 4—41791
Lange, M. *see* Bockmair, M. 4—54848
Lange, M.J.W. Towards a general integrated broadband optical fiber telecommunications network in the subscriber area 4—43549
Lange, R. *see* Hoffer, P.B. 4—39546
Lange, S. Phase shift of a digitally generated function 4—51033
Lange, S. *see* Hayes, J. 4—59564
Lange, S.A.de *see* de Lange, S.A.
Lange, S.R. *see* Leung, K.M. 4—59565
Lange, W. *see* Kempe, V. 4—32149
Lange, W. *see* Rother, P. 4—54946
Lange, W.R. *see* Greiner, G. 4—60650
Lange, Yu.V. Investigation of a split-combined transducer for an impedance inspection unit by the method of electrical simulation. I. The basis of the electrical model 4—35550
Lange, Yu.V. Investigation of a split-combined transducer for an impedance inspection unit by the method of electrical simulation. II. Method and results of the investigation 4—35551
Langelaar, J. *see* Bruckner, V. 4—59602
Langen, B., Gartner, H.A., Duwe, P., Lohmann, N. Btx in reality—project. III. [Bildschirmtext] 4—43702
Langen, L.H.de *see* de Langen, L.H.
Langen, P.A. The use of historical data storage and retrieval systems at nuclear power plants 4—34346
Langenbach-Belz, M. *see* Harle, P. 4—60618
Langer, E. *see* Pettenpaul, E. 4—51540
Langer, H. *see* Meffert, B. 4—37945, 4—56130
Langfeld, R., Baumann, H., Bethge, K., Krimmel, E.F., Wondrak, W. Time-resolved defect production and annealing during electron-beam processing of silicon 4—30476
Langhammer, G. Contribution to the modelling of circuit breakers for digital power systems analysis 4—57268
Langhoff, H. *see* Walter, W. 4—59392
Langhoff, J. *see* Schafer, W. 4—45199
Langlade, P., Masri, P. Contribution to the defects to the electronic properties of the metal semiconductor interface 4—41899
Langley, G. Modern switching means digital switching 4—60606
Langley, K.F. *see* Buckley-Golder, D.H. 4—56724
Langlois, E. *see* Collin, C. 4—54633
Langlois, P.J. Characteristics of manganese-zinc ferrite cored inductors for narrow pulses 4—46647
Langmann, U. *see* Clawin, D. 4—44086
Langmann, U. *see* Rein, H.-M. 4—54512
Lanhua Qui *see* Qui Lanhua
Lanier, R., Jr. *see* Imamura, M.S. 4—39674
Lanka, Z. Twenty new multivibrators 4—58221
Lankford, A.J., Glanzman, T. Data acquisition and FASTBUS for the MARK II detector 4—33186
Lankford, W.F. *see* Kowalski, P. 4—44585
Lan'kova, S.M. *see* Danilov, V.V. 4—59454
Lanmin Zhang *see* Zhang Lanmin
Lanners, N. *see* Koenemann, B. 4—58225
Lannoo, M. *see* Stievenard, D. 4—30326
Lanrong Chen *see* Chen Lanrong
Lansing, S.G. *see* Baumberger, J.G. 4—58577
Lanskaya, T.G. *see* Kuznetsov, V.A. 4—36318
Lanteigne, J. *see* Crine, J.-P. 4—59077
Lantev, S.A. *see* Rogacheva, E.I. 4—30379
Lantratov, V.M. *see* Andreev, V.M. 4—40445
Lantratov, V.M. *see* Garbuzov, D.Z. 4—42468
Lantsov, A.L. Synthesis of bases in integral representation of k-valued functions 4—46406
Lantuejoul, C., Maisonneuve, F. Geodesic methods in quantitative image analysis 4—32040
Lantukh, V.M., Orlova, T.M., Grebennik, V.S. Selecting optimal parameters for ultrasonic examination of austenitic welded joints using transverse waves 4—35560
Lanyin Cheng *see* Cheng Lanyin
Lanying Lin *see* Lin Lanying
LaPaugh, A. *see* Cappello, P.R. 4—31960
LaPaugh, A.S., Pinter, R.Y. On minimizing channel density by lateral shifting 4—36772
Lapides, A. Optical spatial filtering of optical sound tracks in the white light 4—38986
Lapides, A.A. Coherent spatial filtering method for one-dimensional image distortions using a white light source 4—32048
Lapides, A.A. Television raster filtering by means of extended white light source 4—60224
Lapides, M.E. Radiographic detection of crack-like defects in thick sections 4—46273
LaPier, G.W. Acid rain 4—62402
Lapierre, J. *see* Bures, J. 4—31096
Lapierre, J. *see* Lacroix, S. 4—59187, 4—59229
Lapiga, A.G. Multicriterion quality-control problems: constructing a quality-forecast model on a point scale 4—50559
Lapikas, L. *see* De Vries, C. 4—55988
Lapikas, L. *see* Donne, A.J.H. 4—56032
Lapin, A.N. *see* Bordulin, Yu.B. 4—57119
Lapin, I.L., Turkin, P.S., Samsonov, V.I. Effect of fluorspar on the radial distribution of temperature and electrical conductivity of the electric arc running in air 4—45801
Lapin, S.P. ACSB system design 4—60721
Lapin, S.P. *see* Scholz, K.W. 4—58672
Lapin, V.G., Ryzhov, Yu.A., Tamoikin, V.V. Exciting a Bragg resonator in an ionospheric plasma containing an array 4—59757
Lapinski, T. Steel sheathed long-distance screened telephone cables 4—32618
Laplanche, F. *see* Dudelzak, B. 4—55821
Laporta, P. *see* De Silvestri, S. 4—42578, 4—53027
Laporte, D. *see* Vigouroux, J.P. 4—36924
Laporte, P. *see* Moutard, P. 4—39182
Lappat, A. *see* Schonfeld, R. 4—57090
Laprade, B., Cortez, J. Curved-channel microchannel plates 4—58703
Laprade, B. *see* Cortez, J. 4—58704
LaPrade, J.N. A solid-state C-band power amplifier for communications satellites 4—48451
Lapsa, P. *see* Kashyap, R.L. 4—60238
Lapsa, P.M. *see* Kashyap, R.L. 4—53893
Lapshin, A.V. *see* Zav'yalov, E.E. 4—42277
Lapshinov, B.A. *see* Kabanov, A.N. 4—42005
Lapshov, Yu.K. *see* Berzina, A.I. 4—30177
Lapsker, Ya.E. *see* Dubov, V.S. 4—31328
Laptev, A.A. *see* Ionov, A.G. 4—54609
Laptev, V.V. *see* Zharikov, E.V. 4—31364, 4—42603
Lapteva, S.A. *see* Rogacheva, E.I. 4—30376
Lapuk, A.G., Nekh, G.A. The LI 475 18 mm vidicon tube with electrostatic focusing and magnetic beam deflection 4—32957
Laquer, H.L. *see* Krupka, M.C. 4—35017
Larar, J.N., Childers, D.G. Spectra analysis of speech and EGG using pitch synchronous windows over one period 4—37979
Laratta, A. *see* Arioli, M. 4—50688
Larbalestier, D.C. *see* West, A.W. 4—37052
Lare, C. Continuity checker 4—48883
Lare, E. *see* Logan, H. 4—54407
Lares, S. For the video service: line tweezers. A trigger adaptor for oscilloscope 4—38810
Largen, C.L., Murata, T. Use of prime numbers for computer-aided analysis of colored Petri nets 4—40963
Largo, F. *see* Sanchez Dominguez, J. 4—49238
Lari, R.J. *see* Praeg, W.F. 4—59777
Lari, R.J. *see* Turner, L.R. 4—31601
Larimore, M.G., Treichler, J.R. Suppression of FM adjacent channel interference 4—53753
Larimore, M.G. *see* Treichler, J.R. 4—53673
Larin, B.M., Golubkova, N.A., Borovkova, I.I. The feasibility of using pH-metering control in unit-type water preparation units 4—49033
Larionov, M.G., Nikanorov, A.S., Kapustkin, A.A., Khromov, O.I. Data collecting and processing system for RATAN-600 radio surveys 4—32875
Larionov, V.F. *see* Foshko, L.S. 4—40066
Larionov, V.P., Tarasova, T.N. High-frequency corona discharge and its effect on air gap electric strength 4—54622
Larionov, V.R. *see* Allakhverdiev, A.M. 4—50067
Larionov, V.R. *see* Andreev, V.M. 4—62708
Larjola, J. The small power plant—electricity from waste heat 4—45263
Larka, B. Future electronic construction: workstation (VDU) replaces patchboard and logic analyser 4—29775
Larka, B. Surface mounting the assembly method of the future. New carrier materials solve the problem 4—35308
Larka, B. Design electronics that it is possible to test 4—35715
Larka, B. When ECL is inadequate for GaAs gigabit logic 4—35742
Larka, B. Success for the mobile telephone: but now small cells are required 4—43642
Larka, B. One circuit controls the whole terminal 4—60573
Larka, B. *see* Maurel, J.-C. 4—37242
Larka, B. *see* Svensson, J. 4—35795
Larkin, J.J. *see* Armington, A.F. 4—29470
Larkin, L.A. *see* Brauer, J.R. 4—34681
Larkina, V.I., Molchanov, O.A., Mal'tseva, O.A. Observations of the signal from the Soviet middle-latitude VLF transmitter in the magnetically conjugate upper ionosphere 4—53205
Larochelle, V. *see* Cruickshank, J.M. 4—54896
Larocque, J.P.A. *see* Gascoyne, M. 4—56003
Laron, C. What's new in 3-D TV 4—44239
Larratt, R. Transborder dataflow 'made beaver'. Fair play and/or fair trade 4—32312
Larratt, R. Videotex and the single computer 4—43710
Larsen, D.E., Scown, V.S. Description of an optical fluid distribution measurement system 4—61403
Larsen, E. *see* Jones, J.L. 4—61760
Larsen, F.H. *see* Hansen, P.C. 4—31752
Larsen, J.K. Danish suppliers have good opportunities with IBM 4—57753
Larsen, J.W. *see* Bohlander, R.A. 4—37593
Larsen, K. *see* Hunt, L.P. 4—51753
Larsen, L.E. *see* Guo, T.C. 4—39559, 4—44724
Larsen, R.C. *see* Schmidt, M.P. 4—29946
Larsen, W.R. *see* Hohl, J.H. 4—41435
Larser, E. The initiation of deterioration on epoxy post insulators caused by condensation 4—59099
Larson, C., Pasgaard, P. Market feedback on telephone sets 4—54477
Larson, D. When is one random variable more random than another? 4—40932
Larson, D.C. *see* Beutler, R.R. 4—58246
Larson, D.C. *see* Farouk, B. 4—39351
Larson, D.N. *see* Kincaid, D.L. 4—32507
Larson, D.R. *see* Phelan, R.J., Jr. 4—61380
Larson, J.D. *see* Busse, W. 4—33562
Larson, J.D. *see* Spolaore, P. 4—49101
Larson, R. Cascading timers extend delay periods 4—58474
Larson, R.E. *see* Wan, S.H. 4—56500
Larson, R.S. *see* McGowan, R.S. 4—55767
Larsson, G. *see* Habibollahzadeh, H. 4—34089, 4—34494
Larsson, R. *see* Jindra, J. 4—62689

Lartigue, J. *see* Bourjot, P. 4—56628
LaRue, G. *see* Rode, A. 4—29824
LaRue, G.S. A GHz GaAs digital to analog converter 4—29956
Larue, J.C. Space photovoltaics in the year 2000 4—50093
Larzelere, W. *see* Nichols, D.K. 4—56703
las Heras, C.de *see* de las Heras, C.
LaSala, K.P. *see* Lyon, H.B., Jr. 4—46030
Lasden, M. *see* Beaver, J.E. 4—49622
Lasek, L. Effective calculation method or minimum values of integrated circuit variable elements 4—58125
Lash, A.A., Yundev, D.N. Submillimeter imaging with a pyroelectric TV camera 4—55002
Lash, A.A. *see* Bazarkin, A.N. 4—59581
Lashman, M.A. *see* Matthews, J.C. 4—36678
Lasic, M. *see* Spegel, M. 4—46673
Laskin, N.N. *see* Vasil'yev, A.V. 4—40162
Lasksonen, O. *see* Zudin, O.S. 4—48524
Lasky, J.B. *see* Kinney, W.I. 4—52032
Lasry, M.J., Stern, R.M. Unsupervised adaptation to new speakers in feature-based letter recognition 4—59969
Lassabatere, L. *see* Ismail, A. 4—30426, 4—30519, 4—30596
Lassabatere, L. *see* Raisin, C. 4—46963
Lassabatere, L. *see* Vieujot-Testemale, E. 4—30556
Lassise, R.M. *see* Anderson, M.K. 4—37621
Lassise, R.M. *see* Osburn, J.D.M. 4—37620
Lassise, R.M. *see* Peel, R.J. 4—59787
Lassner, K.-H. The development and status of apprentice training and further education at the Bewag 4—40728
Lassnig, R., Zawadzki, W. Interface optic phonons and magneto-phonon effect in polar double heterostructures 4—51847
Lassnig, R. *see* Seidenbusch, W. 4—51849
Lassudrie-Duchesne, P. *see* Bertel, L. 4—56301
Last, J.D., Linsdall, D.K. Automatic microprocessor-based receivers for the Decca Navigator system 4—60940
Lastovka, V.V. *see* Georgobiani, A.N. 4—58733
Lastra Lopez Averosa, E. Experience with a (telephone) subscriber's network using optical fibres 4—54472
Lataire, P., Maggetto, G., T'Jollijn, B., Venlet, N., Kaczmarek, B. The overload capacities of bipolar switching transistors with active protection 4—34779
Lataire, P., Venlet, N., Kaczmareck, B. Pulse width modulation with hybrid sampling techniques 4—46366
Lataire, P. *see* Denoncin, L. 4—34677, 4—57032
Lataitis, R.J. *see* Bohlander, R.A. 4—37593
Latanskii, V.P. *see* Zaruba, I.I. 4—45783
Latham, R.J. *see* Jelfs, A.M.P. 4—62680
Latham, R.V. *see* Bayliss, K.H. 4—57281
Latham, W.P. *see* Konopnicki, M.J. 4—37401
Lathrop, J.W. *see* Geraghty, D. 4—56510
Lathrop, J.W. *see* Misiakos, K. 4—62710
Lathrop, R. *see* Barrett, W.A. 4—36750
Latif, M., Opal, A., Bryant, P.R. Device failure during inductive load switching 4—36562
Latimer, I.D. *see* Spoor, S. 4—52907
Latisheva, V.A. *see* Metskenina, M.P. 4—57070
Latmanizova, G.M. *see* Beruchev, N.G. 4—61603
Latmanizova, G.M. *see* Vecherkovskii, V.V. 4—49998
Latombe, C. *see* Lacoume, J.L. 4—37999
Latour, P.A.M. East Botlek Energy Centre 4—49721
LaTour, S. *see* Berg, S.V. 4—34045
Latour-Slowikowska, H., Slowikowski, J. Accelerated ageing parameters in compatibility tests of insulation systems: paper-mineral oil-synthetic materials 4—59095
Latta, M., Moore, R., Rice, S., Jain, K. Excimer laser projection photoetching 4—52209
Latta, M.R., Jain, K. Beam intensity uniformization by mirror folding 4—37426
Latta, M.R. *see* Barr, R.L. 4—41934
Lattanza, J., Herring, F.G., Krencik, P.M., Clerihew, A.F. 240 MHz wideband programmable SAW matched filter 4—52409
Latter, T.D. Measuring coating thickness by X-ray fluorescence 4—55674
Lattmann, M.S., Jankow, B. Programmable logic chips. II. Conclusion 4—41281
Lattmann, M.S., Jankow, R. Personal instrumentation and personal workstation 4—33102
Latunin, V.I. *see* Sirota, A.M. 4—39103
Latuszynski, A., Maczka, D., Yushkievich, Yu.V. An ion source for semiconductor implantation 4—36447
Latynin, Yu.M. *see* Koltok, Yu.V. 4—42681
Latyshev, A.B. *see* Vinogradov, Ye.A. 4—33319
Latysheva, V.I. *see* Pan, V.M. 4—37049
Lau, C.L. *see* Dickens, L.E. 4—58540
Lau, D. *see* Kassakian, J.G. 4—47034
Lau, K. *see* Harder, C. 4—59510
Lau, K.F., Yen, K.H., Kagiwada, R.S., Stokes, R.B. System applications of SAW devices 4—36988
Lau, K.F., Yen, K.H., Kong, A.M., Rousseau, K.V. SBAW oscillators at 3 to 5 GHz range 4—59112
Lau, K.F. *see* Rousseau, K.V. 4—30934
Lau, K.H. Gap problem in King-Middleton second-order theory for dipole admittance calculations 4—37733
Lau, K.M., Dat, R. Uniform deposition of GaAs in a multiwafer vapor-phase epitaxial system 4—50772
Lau, K.Y., Ury, I., Bar-Chaim, N., Yariv, A. Very high speed GaAlAs lasers and detectors for integrated optoelectronic circuits 4—52960
Lau, K.Y., Yariv, A. Self-sustained picosecond pulse generation in a GaAlAs laser at an electrically tunable repetition rate by optoelectronic feedback 4—52947
Lau, K.Y. *see* Bar-Chaim, N. 4—42405, 4—54745
Lau, M. *see* Ko, P.K. 4—36885
Lau, S.S. *see* Knapp, J.A. 4—30423
Lau, S.S. *see* Lien, C.-D. 4—52029
Lau, S.S. *see* Scott, D.M. 4—51934
Lau, S.S. *see* Zhang, B. 4—36329
Lau, S.T. *see* Papurt, D.M. 4—54901
Lau, Y.Y. A united theory of the diocotron, cyclotron maser, and negative-mass instabilities 4—36183
Lau, Y.Y. Collective-interaction klystron 4—51702
Lau, Y.Y., Barnett, L.R., Baird, J.M. An active circulator-gyrotron travelling-wave amplifier 4—36214
Lau, Y.Y. *see* Barnett, L.R. 4—36192
Lauber, A. Avoid faults with temperature measurements 4—39147
Lauber, W.R., Bertrand, J.M. Man-made noise level measurement of the UHF radio environment 4—61523
Laubli, F., Leithner, R., Trautmann, G. Problems with feedwater control in once-through forced flow boilers and their solution 4—56790
Laubner, E. Nonsymmetric antirhythm alternator 4—29628
Lauby, M.G., Doudna, J.H., Polesky, R.W., Lehman, P.J., Klempel, D.D. Effects of pooling weather associated MAPP bulk transmission outage data on calculated forced outage rates 4—62135
Lauch, J. *see* Arbel, A. 4—37217
Lauck, H. *see* von Alpen, U. 4—57313
Laude, J.-P. Multiple multiplexers in a single network 4—44079
Laude, J.-P. *see* Lerner, J.M. 4—47517
Laude, L.D. *see* Wautelet, M. 4—30493
Laudenslager, J.B. *see* Pacala, T.J. 4—31289
Laudise, R.A. Crystal growth progress in response to the needs for optical communications 4—29451
Laudise, R.A. *see* McAffe, K.B., Jr. 4—50825
Laue, H.J., Bennett, L.L., Skjoeldebrand, R. Nuclear power in developing countries 4—56744
Lauer, D.T. Applications of Landsat data and the data base approach 4—38563
Lauer, R., Hanssen, K.-J. Choice of the scattering foil and the limitation of resolution in Fourier holography. [Electron holography] 4—37504
Lauer, R. *see* Hanssen, K.-J. 4—36243
Lauer, R.D. National Science Foundation programs in industry/university cooperative research and small business innovation research 4—45912
Lauf, R.J., Bond, W.D. Fabrication of high-field zinc oxide varistors by sol-gel processing 4—30122
Laufer, G. Instrument for velocity and size measurement of large particles 4—44648
Laufer, G. *see* Shapiro, M. 4—53169
Lauger, S. *see* Jager, K.-W. 4—44991
Laughlin, D. Applying CAD to the engineering design cycle [for semiconductor ICs] 4—52240
Laughman, L.M. *see* Hess, R.V. 4—56287
Laughton, M.A. University-based consultancy 4—50365
Laughton, M.A. *see* Cote, G. 4—40971
Laugier, A. *see* Mayet, L. 4—58032
Lauks, I. Multi-element thin film chemical microsensors 4—44484
Lauks, I., Yuen, M.F., Dietz, T. Electrically free-standing IrO_x thin film electrodes for high temperature, corrosive environment pH sensing 4—33232
Lauks, I. *see* Singh, B. 4—46901
Laun, H. *see* Dumbs, A. 4—49014
Launay, M. *see* Azzis, D. 4—50955
Launey, R. *see* Lokerson, D. 4—43254
Launikitis, J.A., Miesch, F.D. Method for encapsulating discrete electronic components into groups of pluggable modules 4—29257
Lauper, P. EWSD in Switzerland: the intercontinental exchange at Zurich-Herdern 4—54551
Lauren, C. Process plant heat recovery and cogeneration 4—50264
Laurent, D. *see* Bayless, M. 4—36742
Laurent, D. *see* Rathnam, S. 4—36628
Laurent, K.-H., Kunert, M., Schulze, H.-P. To the computer assisted optimization of the electroerosive counterbore process (EDM) 4—57617
Laurent, R.St. *see* St. Laurent, R.
Laurenti, J.P. Characteristics of coupled-mode optical filters 4—47321
Lauret, N. *see* Bafleur, M. 4—35489
Laurinavicius, L., Tolutis, R., Silo, V. Increasing the operating power of short-wave helicon isolators 4—30082
Lauritsen, L.J. *see* Funch, C. 4—59277
Lauritzen, N. *see* Bush, M.A. 4—59974
Lauritzen, S. *see* Eriksrud, M. 4—42363
Lausch, D. *see* Harmon, J. 4—44166
Lautenbach, P., Vath, R., Swider, J.E. Spacelab/Orbiter Atmosphere Revitalization Subsystem commonality andflight experience 4—44874
Lautenbach, P., Vossloh, D., Ord, G.R., Wallershauser, J.J. The Spacelab ASCS and its Orbiter common hardware flight performance 4—44873
Lauterbach, C. *see* Albrecht, H. 4—36576
Lauterborn, W. *see* Zarschizky, H. 4—38057
Lauterbur, P.C. NMR imaging in medicine: history, principles and prospects 4—44740
Lautizer, S. *see* Giadrossi, G. 4—34723
Lautz, G. *see* Kunze, U. 4—51905
Laux, S.E. Calculation of quasi-static device behavior with small computational burden 4—36512
Laux, S.E. *see* Gaensslen, F.H. 4—52294, 4—52295
Laux, U., Weydandt, J. System aspects of the EURECA thermal control subsystem 4—44877
Laval, S. *see* Martinot, P. 4—31476
LaVallee, P.I. *see* Badami, D.A. 4—41932
Lavanant, G. *see* Bernard, J.J 4—54793
Laven, S.Von *see* Von Laven, S.
Lavene, B. Careful capacitor selection optimizes switcher performance 4—36090
Lavergnat, J., Lehner, T. Low frequency radiation characteristics of a modulated electron beam immersed in a magnetized plasma 4—31740
Lavergne, J.-G.Devezeaux de *see* Devezeaux de Lavergne, J.-G.
Lavergne, R. *see* Oliver, G. 4—32569
Laverny, C. *see* Leotin, J. 4—37203
Lavers, J.D. Use of pre-conditioned conjugate gradient solvers with nonlinear finite element eddy current problems 4—31606
Lavers, J.D. Numerical solution methods for electroheat problems 4—35046
Lavers, J.D., Cheung, R.W.-Y. A simple three phase current controller for electric ARC furnace applications 4—35050
Lavers, J.D., Danai, B. Computer aided evaluation of electric arc furnace disturbances 4—35049
Lavery, J.E. Local convergence of the method of pseudolinear equations for quasilinear elliptic boundary-value problems 4—50723
Lavi, L. *see* Israel, M. 4—37721
Laville, A. *see* Camacho, S. 4—55909
Laville, A. *see* Perez-Preaza, J. 4—55886
Lavin, M.A. *see* Goodman, D.S. 4—41720
Lavine, J.M., Lis, S.A., Masters, J.I. Submicron optical lithography using inorganic resists 4—36372
Lavine, J.M. *see* Lis, S.A. 4—36371
Lavine, J.P. *see* Anagnostopoulos, C.N. 4—30766, 4—36831
Laviron, M. *see* Linh, N.T. 4—58936
Lavoie, G.A. *see* Lorusso, J.A. 4—44640
Lavrador, F.Goncalves *see* Goncalves Lavrador, F.
Lavrent'eva, L.G. Impurity trapping during gas-phase epitaxy on gallium arsenide 4—58036
Lavrenyuk, V.I., Makara, V.A. Thermal stress in a multilayer semiconductor structure 4—58848
Lavrinenko, V.P. *see* Tenyakov, A.Yu. 4—62217
Lavrinovich, V.A. *see* Vecherkovskii, V.V. 4—49998
Lavrov, A.N. *see* Alaev, Yu.M. 4—56834
Lavrov, A.V. *see* Krekhtunov, V.M. 4—31749
Lavrov, V.M. *see* Grodnev, I.I. 4—38606
Lavrov, V.Ya., Petrov, S.I. Use of the method of base surface for calculating magnetic fields of complex sources 4—59691
Lavygin, V.M. *see* Sterman, L.S. 4—40110
Law, H. *see* Cooper, B.J. 4—34549
Law, H.D. Integrated optoelectronic logic 4—52694
Law, H.D. *see* Figueroa, L. 4—37388
Law, H.D. *see* Li, K. 4—59329
Law, H.T. Medical applications of hybrid microcircuits 4—39615
Law, J. *see* Simpson, J.J. 4—55815
Law, K.Y. *see* Johnson, G.E. 4—52533
Law, P.-L. *see* Hansen, E.W. 4—60079
Law, S.E., Bailey, A.G. Perturbations of charged droplet trajectories caused by induced target corona: LDA analysis 4—53184
Law, S.M.L. *see* Rodriguez, B.A. 4—29680, 4—35648
Law, S.W. *see* McGranaghan, M.F. 4—62716
Lawecki, E. *see* Miller, A. 4—56825
Lawless, J.L. Theory of ionization/recombination kinetics with application to recombination lasers and the optogalvanic effect 4—31312
Lawless, J.L. A new model of thermionic conversion 4—34950
Lawless, K.R. *see* Hadjipanayis, G.C. 4—30952
Lawlor, W.A. Electrical safety rules for the layman 4—50461
Lawrence, C.R. *see* Bennett, C.L. 4—54918
Lawrence, D. Developing a CHP scheme in a local authority area 4—34436
Lawrence, D.H. *see* Wade, J.G. 4—49479
Lawrence, D.J. *see* Clements, K.A. 4—62075
Lawrence, J. Prestel: a cup of woe? 4—32311
Lawrence, J. *see* Legard, D. 4—47952

Lawrence, P.D. *see* Huscroft, C.K. 4—41286
Lawrence, R.G. Vacuum contactors—their application and advantages 4—57284
Lawrence, R.S. Effects of atmospheric turbulence on optical propagation 4—31679
Lawrence, S., Marcus, L.S. Designing PC boards with a centralized database 4—51613
Lawrence, V.B., Lim, T.L. The effect of bias on the linear canceller 4—43012
Lawrenson, B., Powlesland, M. Industry-related undergraduate projects in microstrip design and fabrication 4—50361
Lawrenson, P.J. *see* Ray, W.F. 4—62751
Lawrie, R.J. Guidelines for effective motor installation 4—34574
Lawrie, R.J. Troubleshooting a variable frequency drive 4—45929
Lawrie, T.D.V. *see* Macfarlane, P.W. 4—49278
Lawry, R.B. *see* Nakahara, S. 4—46981
Laws, D. *see* Kitson, B. 4—35735
Laws, L. *see* Groves, C. 4—41439
Lawson, F. Making liberalisation work for BT customers and suppliers 4—43662
Lawson, J., McElroy, D. Color-bar generator 4—61223
Lawson, J.D. New ideas for accelerating particles 4—33576
Lawson, R.W. A review of the status of plastic encapsulated semiconductor component reliability 4—35340
Lawson, S. *see* Freund, P. 4—50236
Lawson, W. *see* Namkung, W. 4—30270
Lawton, D.T. *see* Weems, C. 4—53868
Lawton, P. *see* Barker, B. 4—29583
Lawton, R.A. Photoconductive switches used for waveform generation at the National Bureau of Standards 4—59327
Lawton, R.A., Nahman, N.S., Bigelow, J.M. A solid state reference waveform standard 4—41570
Lax, B. *see* Danly, B.G. 4—59422
Lax, B. *see* Fajans, J. 4—52858
Lax, M. *see* Henry, C.H. 4—52970
Laxmanan, V. *see* Chang, C.F. 4—59134
Lay, B., Baudion, C., Klein, J.-C. Automatic detection of microaneurysms in retinopathy fluoro-angiogram 4—53829
Lay, G.Le *see* Le Lay, G.
Laybourn, P.J.R. Monomode optical waveguide connectors 4—37154
Laycock, L.C., McCall, M.W., Petts, C.R. A compact real-time optical processing system 4—60175
Laydise, R.A. *see* Kolb, E.D. 4—29469
Layfield, A. *see* van Dijk, J.W. 4—59685
Layne, C.R. *see* Frey, R.W. 4—54893
Layton, D. Locating buried plant [telecom cables] 4—60630
Lazar, A.A. On a linear programming approach to the data link flow control protocol 4—43809
Lazar, A.A. *see* Vakil, F. 4—32434
Lazar, H. *see* Kiesewetter, H. 4—61757
Lazar, P. *see* Al-Khalili, D. 4—29817
Lazar, S. *see* Shimabukuro, F.I. 4—55639
Lazarenko, M.A. *see* Givargizov, E.I. 4—29486
Lazarescu, G. *see* Gavrila, H. 4—49601
Lazarev, G.B. *see* Dovganyuk, I.Ya. 4—57384
Lazarev, L.P., Mirovitskaya, S.D. Diffraction equation from cylinder dimension measuring problem 4—37565
Lazarev, L.P., Mirovitskaya, S.D. Investigation of diffraction method of measuring optical fibre diameter 4—59227
Lazarev, M.V. *see* Vasilenko, P.G. 4—42421
Lazarev, V.I. *see* Kokhan, P.G. 4—34717
Lazarev, Yu.N., Sitnikov, N.P. Anomalous interaction of laser radiation with plasma 4—59758
Lazarevich, G.G., Shkoda, A.A., Sinolitsyi, A.F., Lyauk, G.I. On lowering of the reactive power of composite invertor circuits 4—62616
Lazaridis, C.N. *see* Nazarenko, N. 4—41729
Lazaroiu, D.F., Staicut, E. Congestion-reliability-availability relationship in packet-switching computer networks 4—53956
Lazaroiu, D.F., Staicut, E. A Markov model for availability of a packet-switching computer network 4—53957
Lazarou, M. *see* Sukhov, B. 4—33145
Lazarov, LI. *see* Vuleva, E.A. 4—29274
Lazarus, L. *see* Whelehan, J. 4—41576
Lazay, P.D. *see* Kapron, F.P. 4—61559
Lazcano, A., Serrano, A., Medina, J.L. Criteria for negative resistance generation in three terminal microwave devices with applications in oscillator design 4—36079
Lazell, D. Picketing the cable [TV] 4—55021
Lazerson, A.G. *see* Kontorin, Yu.F. 4—30274
Lazic, D.E. The geometric treatment of the coding theorem for Gaussian channel 4—47772
Lazic, D.E., Drajic, D.B., Krstajic, P.J., Obradovic, M. Design of block codes for polyphase signals 4—43186
Lazinska, A., Wislowski, J. Survey of I^2L integrated circuit solutions 4—47117
Lazorthes, Y. Clinical applications of electrical long-time neurostimulation. IV 4—33853
Lazorthes, Y. Clinical applications of electrical long-time neurostimulation. V 4—33854
Lazorthes, Y. Clinical applications of electrical long-term neurostimulation. VI 4—39575
Lazos, R.J. *see* Sharma, J.K.N. 4—39355
Lazutka, A.S. *see* Fronts, K. 4—52991
Lazutka, A.S. *see* Karpov, S.Yu. 4—52696
Lazutkin, I.I. Operation of measuring equipment with semiconductor radiation detectors in the fluctuation mode 4—49076
Lazzari, J.P., Parrens, P. Optic and X-ray lithographies in 1990s 4—36383
Lazzari, M. *see* Bonino, F. 4—45598, 4—57307
Lazzari, M. *see* Ferraris, P. 4—49895, 4—57418
Lazzarini, D.J. *see* Bonafino, E.J. 4—46705
Lazzaroni, E. Civil use of Tacan 4—38706
Le, H. *see* Schlesinger, Z. 4—58779
Le, H.Q. *see* Sollner, T.C.L.G. 4—36325
Le, K.D. *see* Hunter, M.D. 4—49548
Le, L.X., Berg, G.J. Steady state performance analysis of SCR controlled induction motors: A closed form solution 4—34654
Le, N.H. *see* Gruber, J.G. 4—32181
Le Baron, Y. *see* Chimot, J.M. 4—56306
Le Blanc Smith, M.G., Neave, B.D.F. Controls for domestic heat pumps 4—62830
le Boutet, A. *see* Auffret, R. 4—44071
Le Bris, M.T. *see* Dupuy, F. 4—59463
Le Brozec, P., Le Mouel, B., Bernier, Y., Calu, S., Paccaud, C. 140 Mbit/s digital transmission system using coaxial pairs (CT 140) 4—54607
Le Brun, M., Jay, P.R., Rumelhard, C., Rey, G., Delescluse, P. Monolithic microwave amplifier using a two-dimensional electron gas FET: a comparison with GaAs 4—30109
Le Carpentier, J. Impact of mask defects on integrated circuits yield 4—36679
Le Contelec, M. Liquid crystal flat screens on thin-layer transistor matrix 4—55607
Le Coultre, P. *see* Anderson, L. 4—55989
Le Doeuff, R., Mahmoud, S., Rezzoug, A. Fast computation of synchronous machine unbalanced transients: application to short circuits 4—34604
Le Du, A., Adam, P., Ahlgren, L., Brewer, G.L., Juhlin, L.E., Laiho, Y., Povh, D., Young, D.J. Use of static or synchronous compensators in HVDC systems 4—34160
Le Duc Hong *see* Stillman, R.H. 4—62158
le Floch, A., Lenormand, J.M., le Naour, R., Medjaou, M. Eigenstate flipping effects in resonators 4—37396
Le Gall, F., Garcia, J.M., Bernussou, J. A one moment model for telephone traffic application to blocking estimation and resource allocation 4—48023
Le Gall, H. *see* Gourzerh, J. 4—30975
Le Gall, M., Eve, M., Galaup, J. Optical fiber communications 140 Mbit/s (1.3 μm) 4—38601
Le Gall, M. *see* Le Mouel, B. 4—54739
Le Gall, P. End to end dimensioning of hierarchical telephone networks and traffic combination 4—53952
Le Grand, Y.M., Eloy, G. MSA 24 data over voice asynchronous modem 4—54480
Le Gressus, C. *see* Duraud, J.P. 4—51858
Le Guen, D. *see* Bouidene, Y. 4—32829
Le Guillou, M. The vocation of 'CdF (the French Coal Board) Energie' 4—39973
Le Guyader, A., Gilloire, A. ADPCM coding of speech signals: adaptive prediction algorithms and assessment 4—31901
Le Helley, M. *see* Boisson, V. 4—36321
Le Lay, G., Metois, J.J. Formation and oxidation of a metal/semiconductor interface: Pb/Ge (111) 4—41897
Le Letty, L. *see* Lopez-Coronado, J. 4—29382
Le Maut, F. *see* Choquet, M. 4—54490
Le Moel, A. *see* Duraud, J.P. 4—51858
Le Moing, A.J. *see* Setton, J.J. 4—44763
Le Mouel, B., Bernier, Y., Calu, S., Paul, P., Pouliquen, J.J., Le Gall, M. 140 Mbit/s transmission system using 1.3 μm optical fibre (TF 140) 4—54739
Le Mouel, B. *see* Le Brozec, P. 4—54607
le Naour, R. *see* le Floch, A. 4—37396
Le Roux, J. 2-D Bauer factorization 4—53620
Le Roux, J. Non-symmetric lattice structure for pole zero filters 4—60047
le Sergent, C., Liegois, M., Floury, Y., Brehm, C., Boniort, J.Y. Optical fiber preforms fabrication by modified CVD: an approach to reactants purity problems 4—37157
Le Thanh, P., Chambaudet, A. Detection efficiency for α particle (1.25 Mev<E<3.3 MeV) in a LR 115 spark counter 4—55904
Le Thanh, P. *see* Chambaudet, A. 4—55899, 4—55915
Le Thiesse, J.C. *see* Lalauze, R. 4—51789
Le Trong Mu *see* Yanoshi, M. 4—37283
Le Xu, Foiles, C.L., Reinhard, D.K. Thermopower of sputtered amorphous Si(Ga) alloys 4—30364
Le Yaokang *see* Yuan Cailai 4—59401
Le-Huy, H. *see* Feuillet, R. 4—57219
Le-Huy, H. *see* Mota, P. 4—57093
Le-jun Chen *see* Chen Le-jun
Le-Ngoc, T., Motamedi, Z. Performance of IJF-QPSK and IJF-Offset QPSK modems in a multipath fading channel 4—31833
Lea, W.A., Clermont, F. Algorithms for acoustic prosodic analysis 4—53571
Lea, W.A. *see* Woodard, J.P. 4—53512
Leach, J.G. New application flexibility for medium voltage current limiting fuses 4—57283
Leach, P.J. *see* Nelson, D.L. 4—48185
Leadon, R.E., Flanagan, T.M., Mallon, C.E., Denson, R. Effect of ambient gas on arc initiation characteristics in soil 4—30823
Leahy, P. MILSTAR traffic analysis and modeling 4—32117
Leahy, P. Small AJ SATCOM terminal considerations 4—32766
Leahy, P. A solid state planar spatial combiner 44 GHz power amplifier 4—32769
Leahy, R.M., Goutis, C.E., Drossos, S.N. Tomographic and spectral analysis using noise statistics 4—53684
Leahy, R.M. *see* Goutis, C.E. 4—60098
Leakey, D.M. Developments in telephone switching systems 4—60603
Lean, M.H., Bloomberg, D.S. Nonlinear boundary element method for two-dimensional magnetostatics 4—31580
Leandri, M. *see* Campbell, J.A. 4—39564
Leao, J.Lopes de Souza *see* Lopes de Souza Leao, J.
Leao, J.Souza *see* Souza Leao, J.
Lear, R. Fast imaging applications in the nuclear test program 4—39065
Lear, R. *see* Kotecki, D.E. 4—59289
Lear, R.D. *see* Jacoby, B.A. 4—30280
Learned, J.G. *see* Jones, T.W. 4—55811
Leary, B.G. *see* Velayudhan, C. 4—34675
Leary, J. *see* Alexander, I. 4—57567
Leary, M. *see* Simcoe, B. 4—58388
Leary, P.A. *see* Acosta, R. 4—46746
Leary-Renick, P.A. *see* Klein, D.L. 4—30222
Leasure, T. *see* Kalter, H. 4—30799
Leavitt, R.P. *see* Soln, J. 4—47394
Lebacq, J. *see* Dejonckere, P.H. 4—43240
Lebacqz, J.V. *see* Lee, T.G. 4—36223
Lebaric, J.E., Stojanovic, I.S. Tracking a pair of unresolved targets with monopulse radar 4—60911
Lebby, G.L., Gilchrist, R.W. Load modeling with weather sensitive component 4—56517
Lebedenko, V.P. *see* Vasil'ev, V.G. 4—59612
Lebedev, A.A., Sharko, A.V. Estimation of the influence of fluctuations in the geometrical dimensions of testpieces on the results of acoustical measurements 4—41132
Lebedev, A.M. *see* Epifanov, A.P. 4—49877
Lebedev, A.N., Timofeev, V.F. Nonlinear effects in vacuum resonators and transmission lines 4—53250
Lebedev, A.N. *see* Davidenko, V.A. 4—55975
Lebedev, A.N. *see* Gushchin, E.M. 4—61714
Lebedev, E.A. *see* Bordovsky, G.A. 4—30360
Lebedev, F.V. *see* Abil'siitov, G.A. 4—59388, 4—59389
Lebedev, L.S. *see* Arutyunyan, E.A. 4—37141
Lebedev, S.M. *see* Vel't, I.D. 4—39360
Lebedev, S.S., Sheinman, O.K. Dual approach to integer programming 4—35397
Lebedev, V. Structural peculiarities of thermal layers of SiO_2 grown in iodine-containing ambients 4—30547
Lebedev, V.B. *see* Kolesov, G.V. 4—37429
Lebedev, V.K., Masalov, Y.A. Research into the stability of automatic regulation systems with controlled valve type converter 4—29624
Lebedev, V.K. *see* Sivokobylenko, V.F. 4—34622
Lebedev, V.P., Pahomov, E.E. IR absorption spectra of halogen-containing thermally grown SiO_2 layers 4—30549
Lebedev, V.P. *see* Kovarskii, A.P. 4—30548
Lebedev, V.Yu. *see* Smagin, V.N. 4—40109
Lebedev, Yu.M. *see* Kobzev, A.V. 4—41513
Lebedev, Yu.V. Refinement of sampled-data automatic control system stability analysis [amplifiers] 4—50986
Lebedeva, L.V. *see* Barkov, V.B. 4—48990
Lebedeva, O.M. *see* Alekhin, V.I. 4—44912
Lebedeva, T.P. *see* Danileiko, Yu.K. 4—42723
LeBel, J., Craig, G.B., Bouliane, P.R. Measurement and evaluation of electromagnetic VHF and UHF television signal field strength distributions in urban environments 4—37583
Leber, W. CMOS microprocessor 6120: new processor version matched to current bus structure 4—46496
Leberl, F. Photogrammetric concepts for evaluation of 2-D and 3-D scenes 4—38049
Leberl, F. Research at the Institute for Image Processing and Graphics at Graz Research Centre 4—53895
LeBerre, M. *see* Tai, K. 4—42708
Leberzammer, G. *see* Brauer, C. 4—55203
Lebidois, J. Coding and protection of information 4—37841
LeBlanc, B.S., Pingrey, D.W., Shoulders, R. Georgia-Pacific finds West Coast wood-fired electric generation pays off 4—49777
LeBlanc, M., Sumida, W. Gait analysis and alignment system for lower-limb prostheses 4—56204
LeBold, W.K., Shodja, S., Salvendy, G., Lang, T.M. Cognitive and affective factors related to computer programming performance 4—35178
Lebouc, D. *see* Pacaut, R. 4—34635

Leboulleux, J., Obe, J.P., Thibon, D. Comparison of a radial and a loop structure in urban areas 4—34184
Lebow, W. *see* Rouhani, R. 4—49566
Lebowsky, F., Steppuhn, H. Calibration of photoelectric measuring microscopes for measurements of fine structures 4—55360
LeBrumant, J. *see* deViry, D. 4—52933
Lebrun, A. *see* Bernard, R. 4—56273
Lebrun, P. *see* Rameika, R. 4—33678
Lebrun, P. *see* Wagoner, D.E. 4—33676
Lebrun, W., Loughhead, J.N., Miles, G.A., Stroom, C., Turner, J.R. ESATAN: a thermal network analysis computer program 4—41163
Lebsanft, K. *see* Wenderoth, W. 4—38201
Leccabue, F. *see* Gombia, E. 4—30384, 4—35460, 4—58002
Leccabue, F. *see* Vigil, O. 4—62709
Lechaczynski, M., Poiraud, C. Mechanism to merge manufacturing and engineering start-up and debug activities with functional LSSD strings 4—46433
Lechat, D., Rialland, J.F., Bonnefille, R. Analysis of rotor losses in synchronous machines controlled by static convertors 4—40228
Lechaton, J.S. *see* Gray, R.K. 4—52014
Lechner, H., Schwarzenbach, H., Steinle, B. Stable running modes of miniature permanent-magnet capacitor motors 4—40258
Lechner, R.H.L. Voice signal processing in digital local exchanges 4—31938
Lechopier, S. *see* Aubry, J.P. 4—30902
Lechowski, Z. Reversible variations of insulating material structure caused by electric field effect 4—52321
Leckenby, J.N. *see* Fair, P.G. 4—41119
LeClair, K., Bell, R., Breid, D., Torgerson, P., Fier, D., Jensen, B. A 32 bit CMOS microprocessor using a semicustom cell library 4—58384
Leclerc, C. Parallel testing of memories, a factor in economy 4—35278
LeCLerc, G. The multidisciplinary project at Ecole Polytechnique de Montreal 4—35189
LeClerc, G. Teaching system analysis to civil engineering undergraduate students 4—35191
Leclerc, L. Maintenance is a critical factor in the wired office 4—45924
Leclercq, D. Large-scale use of videotex: The electronic telephone directory 4—38257
Leclert, A. *see* Bouidene, Y. 4—32829
LeComber, P.G. *see* Snell, A.J. 4—52785
Lecompte, A. The DSA network: a user's viewpoint 4—38310
Lecomte, P. *see* Anderson, L. 4—55989
Lecomte, R., Schmitt, D., Lamoureux, G. Geometry study of a high resolution PET detection system using small detectors 4—39539
Lecomte, R. *see* Petrillo, G.A. 4—39450
Lecoq, J. *see* Anderson, L. 4—55989
Lecordier, J.C. *see* Paranthoen, P. 4—33247
Lecturer, S. *see* Refsum, A. 4—36968
Ledebo, L.-A. Light-enhanced recombination of excess carriers at silicon surfaces 4—41825
Ledentsov, N.N. *see* Kop'ev, P.S. 4—58034
Lederer, F. *see* Langbein, U. 4—37123, 4—37124
Ledford, G. IC decoder paves the way for videotex revolution 4—48065
Ledford, G. Low-cost solutions to NAPLPS 4—54260
Ledinegg, E. Fluctuations of electromagnetic waves in an anisotropic random plasma 4—42874
Ledneva, G.P., Chekalinskaya, Yu.I. Amplification of a polarized signal by an anisotropic superregenerative laser amplifier in the linear mode 4—42667
Ledoux, I. *see* Rak, D. 4—31484
Ledovskaii, A.N. Kinetic electric energy storage cell design 4—45674
Ledovskaya, N.E. *see* Ledovskii, A.N. 4—49855
Ledovskii, A.N. Selecting the structures of electric machines with high coercion magnets 4—34587
Ledovskii, A.N., Ledovskaya, N.E. Design features of axial synchronous machines with high-coercivity permanent magnets 4—49855
Ledovskii, A.N., Markov, Yu.A., Timofeev, A.T. Calculation of the external characteristics of asynchronous generators 4—34672
Leduc, M. *see* Duclos, J. 4—42221
Ledwich, G. *see* Ghosh, A. 4—62069
Lee, A., Bagchi, G., Noonan, V. A regulatory overview of qualification of equipment for seismic and dynamic loads 4—56743
Lee, A. *see* Chen, K.W. 4—37558
Lee, B. *see* Banerjee, S.K. 4—41942, 4—51987
Lee, B.G. FCT—a fast cosine transform 4—53353
Lee, B.G., Willson, A.N. All two-transistor circuits possess at most three DC equilibrium points 4—41177
Lee, B.J. The development of a rugged plasma terminal 4—33935
Lee, C., Valentino, T., Yoder, D. Understand system partitioning to optimize custom-IC use 4—51076
Lee, C. *see* Stolen, R.H. 4—53061
Lee, C.A. *see* Karapiperis, L. 4—41976
Lee, C.C. Modified distance transform and linking algorithm for image skeletonization 4—53797
Lee, C.C. A sequential thinning algorithm for image skeletonization 4—53844
Lee, C.C., Johnson, P.E., Li, P.W., Pidhayny, D.D., Emanuel, D.A. High power S-band solid-state transmitter technology assessment 4—51547
Lee, C.C. *see* Wang, C.M. 4—44188
Lee, C.E., Calhoun, M., Dunn, R. The effect of cascading systems on the standing wave ratio 4—50920
Lee, C.E., Dunn, R., Calhoun, M.D. A broadband RF distribution system for Global Positioning Satellite signals 4—60777
Lee, C.F., Davis, R.D., Jenkins, W.K., Trick, T.N. Sensitivity and nonlinear distortion analyses for switched-capacitor circuits using SCAPN 4—29587
Lee, C.-G. A simple rapid method for detecting metal diffusion in ceramic packages 4—57846
Lee, C.H., Hornbeek, M.W.A., Naujokas, T. A network test environment for packet switching networks 4—32212
Lee, C.H. *see* Ho, P.T. 4—59328
Lee, C.H. *see* Vaucher, A.M. 4—58496
Lee, C.-H., Ganesan, K. Speech recognition under additive noise 4—59996
Lee, C.K. *see* Brown, K. 4—55814
Lee, C.L. *see* Bacvarov, D.C. 4—56936
Lee, C.P., Hou, D., Lee, S.J., Miller, D.L., Anderson, R.J. Ultra high speed digital integrated circuits using GaAs/GaAlAs high electron mobility transistors 4—29987
Lee, C.P. *see* Chang, M.F. 4—36262, 4—52274
Lee, C.P. *see* Lee, S.J. 4—29881, 4—35806, 4—36852, 4—41272
Lee, C.T. Mode conversion of acoustooptic interaction in crossed channel waveguide 4—52728
Lee, C.-T. *see* Bube, R.H. 4—41835
Lee, D. *see* Lewis, J. 4—30824
Lee, D. *see* Weismiller, F. 4—32575
Lee, D.L., Lochovsky, F.H. Voice response systems 4—53448
Lee, D.L. *see* Goodberlet, M.A. 4—56346
Lee, D.T. *see* Nicholl, T.M. 4—30667
Lee, E.B., Stover, R.F. Training a logic network to do fault detection in electronic circuits 4—29839
Lee, E.J.F. Five-channel MF combining unit for BBC Brighton 4—38789
Lee, E.S. *see* Boulton, P.I.P. 4—32419
Lee, F., Chiu, C.P., Toth, F. 16-by-16-bit multipliers fabricated in CMOS rival the speed of bipolars 4—51357
Lee, F.C. *see* Avant, R.L. 4—52079
Lee, F.C. *see* Shortt, D.J. 4—46329
Lee, F.C.Y. *see* Kelkar, S.S. 4—29651, 4—29652
Lee, F.N., Breipohl, A.M. Hourly dispatch simulation for a probabilistic load 4—56452
Lee, F.N., Briepohl, A.M. Operational cost savings of direct load control 4—45006
Lee, G., Steeves, T., Schroeder, M., Nelson, R., Vu, T., Hanzal, B., Roberts, P., Helix, M., Jamison, S., Hanka, S., Brown, J. A 432-cell SDFL GaAs gate array implementation of a four-bit slice event counter with programmable threshold and time stamp 4—29823
Lee, G.M. *see* Vu, T.T. 4—29781, 4—35746
Lee, H. A reliable auxiliary servo controller for critical plant operation 4—40360
Lee, H., Wicks, G., Eastman, L.F. High temperature annealing of modulation doped GaAs/AlGaAs heterostructures for FET applications 4—58938
Lee, H. *see* Chao, P.C. 4—58549
Lee, H. *see* Gaisser, T.K. 4—33736
Lee, H. *see* Tripathi, V.K. 4—58228
Lee, H.F., Carson, D.P. Testing BITE on Boeing 757/767 in a simulated operational environment 4—44867
Lee, H.L. *see* Day, D.R. 4—61371
Lee, H.R. Future directions in Asian telecommunications [Pacific Telecommunications Council view] 4—60363
Lee, H.-S., Hodges, D.A., Gray, P.R. A self-calibrating 12b 12 μm CMOS ADC 4—51340
Lee, H.-W. *see* Stollberg, M.T. 4—37301
Lee, I.Y. *see* Johnson, N.R. 4—33696
Lee, J., Dham, V.K. Design considerations for scaling FLOTEX E^2 PROM cell 4—35821
Lee, J. *see* Hartouni, E. 4—58068
Lee, J. *see* Lai, S.K. 4—36860
Lee, J.C., Un, C.K. On the convergence behavior of frequency-domain LMS adaptive digital filters 4—58468
Lee, J.E. *see* Guzman, A.M. 4—37022
Lee, J.H. *see* Han, K.S. 4—42579
Lee, J.-J. *see* Liu, K.Y. 4—53389
Lee, J.N. *see* Athale, R.A. 4—53801, 4—60201
Lee, J.N. *see* Fisher, A.D. 4—52731
Lee, J.P.Y. *see* Chamberlain, S.G. 4—33158, 4—39062, 4—59350
Lee, J.R. *see* Kim, N.-M. 4—47732
Lee, J.R. *see* Leeper, R.J. 4—33772
Lee, J.S., French, R.H., Miller, L.E. Probability of error analyses of a BFSK frequency-hopping system with diversity under partial-band jamming interference—I: performance of square-law linear combining soft decision receiver 4—53372
Lee, J.S., Kim, Y.K., Miller, L.E. Performance comparison of four types of receiver processing techniques for L-hops per bit FH/BFSK spread spectrum signals in worst case partial band jamming 4—43956
Lee, J.S., Miller, L.E., Kim, Y.K. Error performance analyses of linear and nonlinear combining square-law receivers for L-hops per bit FH/BFSK waveforms in worst-case partial-band jamming 4—31839
Lee, J.S. *see* Kim, Y.K. 4—32672
Lee, J.S. *see* Miller, L.E. 4—43955
Lee, J.-S. *see* Lin, J.C. 4—47921
Lee, J.Y., Mayer, D.C., Vasudev, P.K. A low-leakage VLSI CMOS/SOS process with thin epi layers 4—36871
Lee, J.Y. *see* Kubema, R.L. 4—36883
Lee, J.Y. *see* Mayer, D.C. 4—42164
Lee, K., Shur, M., Drummond, T.J., Morkoc, H. Charge control model of inverted GaAs-AlGaAs modulation doped FETs (IMODFETs) 4—52090
Lee, K., Shur, M., Drummond, T.J., Morkoc, H. A unified method for characterizing (Al,Ga)As/GaAs MODFETs including parasitic MESFET conduction in the (Al,Ga)As 4—58935
Lee, K., Shur, M.S., Klem, J., Drummond, T.J., Morkoc, H. Parallel conduction correction to measured room temperature mobility in (Al, Ga)As-GaAs modulation doped layers 4—36309
Lee, K. *see* Grimm, M.A. 4—36743
Lee, K. *see* Pang, C.K. 4—49824
Lee, K. *see* Shein, F. 4—56168
Lee, K.C. *see* von Raben, K.U. 4—41746
Lee, K.I. *see* Davari, B. 4—36489
Lee, K.L., Ahmed, H., Kelly, M.J., Wybourne, M.N. Fabrication of ultrathin free-standing wires of silicon nitride 4—30480
Lee, K.W. *see* Chen, T.H. 4—59036
Lee, K.W. *see* Vu, T.T. 4—29781, 4—35746
Lee, K.Y., Park, Y.M., Ortiz, J.L. Fuel-cost minimisation for both real- and reactive-power dispatches 4—45014
Lee, K.Y., Park, Y.M., Ortiz, J.L. Optimal real and reactive power dispatch 4—56435
Lee, K.Y. *see* Meyer, F.J. 4—56438
Lee, K.Y. *see* Park, Y.M. 4—56434, 4—62059
Lee, L., Chou, G. Asynchronous speech encryption—formulation and simulation 4—37903
Lee, L. *see* Jean, S. 4—31934
Lee, L.M., Fogelson, D.J., Williams, W.D. Dynamic stress transducer qualification 4—61356
Lee, L.-S., Chou, G.-C. A general theory for asynchronous speech encryption techniques 4—31937
Lee, L.-S., Chou, G.-C. A new time domain speech scrambling system which does not require frame synchronization 4—53452
Lee, L.-S., Chou, G.-C., Chang, C.-S. A new frequency domain speech scrambling system which does not require frame synchronization 4—47796
Lee, M.C. Coating application of acoustic levitation 4—56376
Lee, M.K., Sartain, R.B., Bray, C.W. Software engineering in automated alignment and test of electro-optical systems 4—59274
Lee, M.K. *see* Lu, N.C.C. 4—46798
Lee, N.Y. *see* Longzhou, Fu. 4—34319
Lee, P.B. Rural electrocution safety [farm safety] 4—45936
Lee, P.B. Alternate distribution voltages [alternative distribution voltages] 4—62181
Lee, P.Y. *see* Chin, T.-S. 4—47171
Lee, R. *see* Busby, K.O. 4—36208
Lee, R. *see* Fliflet, A.W. 4—36201
Lee, R.E. *see* Greiling, P.T. 4—29821
Lee, R.E. *see* Matthews, D.S. 4—58546
Lee, R.E. *see* Winston, H.V. 4—58917
Lee, R.K.V. *see* Vuong, S.T. 4—32417
Lee, R.W. *see* Croat, J.J. 4—31033
Lee, S., Saridis, G.N. The control of a prosthetic arm by EMG pattern recognition 4—44779
Lee, S. *see* Chang, I.C. 4—52732
Lee, S. *see* Wong, C.S. 4—61746
Lee, S.C. Boron contamination in the intrinsic layers of amorphous silicon solar cells 4—50053
Lee, S.H. New optical transforms for statistical image recognition 4—43413
Lee, S.H., Dawson, D.E., Dickens, L.E. Drain bias dependence of the frequency limit of GaA FETs 4—52107
Lee, S.H. *see* Akins, R.P. 4—37398
Lee, S.H. *see* Dickens, L.E. 4—58540
Lee, S.H. *see* Esener, S. 4—59352
Lee, S.H. *see* Gu, Z.-H. 4—32009
Lee, S.H. *see* Huang, S.-Y. 4—59353
Lee, S.H. *see* Sandstrom, R. 4—59296
Lee, S.J., Crowell, C.R., Lee, C.P. Optimization of HEMTs in ultra high speed GaAs integrated circuits 4—36852
Lee, S.J., Lee, C.P., Hou, D.L., Anderson, R.J., Miller, D.L. Static random access memory using high electron mobility transistors 4—35806
Lee, S.J., Lee, C.P., Shen, E., Kaelin, G.R. Modeling of backgating effects on GaAs digital integrated circuits 4—41272

Lee, S.J., Vahrenkamp, R.P., Kaelin, G.R., Hou, L.D., Zucca, R., Lee, C.P., Kirkpatrick, C.G. Ultra-low power, high speed GaAs 256-bit static RAM 4—29881
Lee, S.J. *see* Lee, C.P. 4—29987
Lee, S.T. *see* Pang, C.K. 4—49824
Lee, S.W. *see* Bremmer, H. 4—47602
Lee, S.W. *see* Ko, W.L. 4—37737
Lee, S.W. *see* Kull, G.M. 4—36557
Lee, S.-W. *see* Deschamps, G.A. 4—37562
Lee, S.Y. *see* Chang, H. 4—31045, 4—37038
Lee, S.-Y., Marcuvitz, N. Quasiparticle description of pulse propagation in a lossy dispersive medium 4—47591
Lee, T.G., Lebacqz, J.V., Konrad, G.T. A fifty megawatt klystron for the Stanford Linear Collider 4—36223
Lee, T.H., Tredwell, T.J., Burkey, B.C., Kelly, T.M., Khosla, R.P., Losee, D.L., Lo, F.C., Nielsen, R.L., McColgin, W.C. A 360000 pixel color image sensor for imaging photographic negatives 4—37230
Lee, T.H. *see* Luo, J.S. 4—56451
Lee, T.P., Burrus, C.A., Eisenstein, G., Sessal, W.B., Besomi, P. Amplifier-modulator integrated with a cleaved-coupled-cavity injection laser 4—53046
Lee, T.P., Burrus, C.A., Sessa, W.B., Tsang, W.T. $InAs_xP_{1-x}/InP$ photodiodes prepared by molecular-beam epitaxy 4—37214
Lee, T.P. *see* Eisenstein, G. 4—52967
Lee, T.-P., Burrus, C.A., Jr., Liu, P.-L., Sessa, W.B., Logan, R.A. An investigation of the frequency stability and temperature characteristics of 1.5 μm coupled-cavity injection lasers 4—42643
Lee, T.-P. *see* Marcuse, D. 4—31410
Lee, T.T. *see* Lin, G.W. 4—62473
Lee, V., Silverman, H.F., Dixon, N.R. Preliminary results for an operational definition and methodology for predicting large vocabulary DUR confusability from phonetic transcriptions 4—53543
Lee, W *see* Fang, R. 4—31851
Lee, W.D. *see* Murday, J.S. 4—45111
Lee, W.W. *see* Ferrando, W. 4—40385
Lee, W.Y. *see* Davis, C.R. 4—47234
Lee, Y.H., Petrillo, E.J. Double catcher plates in the reactive ion etching 4—52015
Lee, Y.H. *see* Chen, M.M. 4—52018
Lee, Y.H. *see* Oehrlein, G.S. 4—58860
Lee Chong Kak *see* Chong Kak Lee
Lee Choong Woong *see* Choong Woong Lee
Lee Chung Han *see* Chung Han Lee
Lee du Pont, B. Keeping the interactive freeways moving Citibank's HomeBase experience 4—48159
Lee El-Hang *see* El-Hang Lee
Lee Gi-shik *see* Gi-shik Lee
Lee Han-Sheng *see* Han-Sheng Lee
Lee Jae Yul *see* Jae Yul Lee
Lee Jay Kyoon *see* Jay Kyoon Lee
Lee Jeong Moon *see* Jeong Moon Lee
Lee Jong Hwa *see* Jong Hwa Lee
Lee Jong-Keun *see* Jong-Keun Lee
Lee Joon-Ung *see* Joon-Ung Lee
Lee Kang, Shur, M.S., Lee Kwyro, Vu, T.T., Roberts, P.C.T., Helix, M.J. Low field mobility in GaAs ion-implanted FETs 4—36585
Lee Kwang-Won *see* Kwang-Won Lee
Lee Kwyro *see* Lee Kang 4—36585
Lee Lin-shan *see* Lin-shan Lee
Lee Ming-Kwang *see* Ming-Kwang Lee
Lee Mou-Tion *see* Mou-Tion Lee
Lee Sang Chul *see* Sang Chul Lee
Lee Sang Ho *see* Sang Ho Lee
Lee Sang-Uk *see* Sang-Uk Lee
Lee Seong Choon *see* Seong Choon Lee
Lee Shung-Wu *see* Shung-Wu Lee
Lee Wen-yaung *see* Wen-yaung Lee
Lee Yang Sung *see* Yang Sung Lee
Leeb, W.B. Prospects of laser communications in space 4—60821
Leeb, W.R. *see* Bonek, E. 4—60839
Leeb, W.R. *see* Popescu, A. 4—60817
Leeb, W.R. *see* Scholtz, A.L. 4—60374
Leek, R. *see* Marshall, W.G. 4—45603
Leeman, S. *see* Livett, A.J. 4—56109
Leeman, S. *see* Zapalowski, L. 4—53944
Leemburg, T., Muller, K. Compact supervisory computer for the combined-cycle gas/steam power station at Bang-Pakong in Thailand 4—56817
Leeper, K.R. The missing link for advanced avionics systems executives 4—44847
Leeper, R.J., Lee, J.R., Johnson, D.J., Stygar, W.A., Hebron, D.E., Roose, L.D. Magnetic spectrometer employing a Rutherford scattering foil for intense proton beam energy measurements 4—33772
Leeper, R.J. *see* Olsen, J.N. 4—33625
Leeson, C. The business implications of videotex applications 4—48131
Leeson, K.W. Elements of international communications policy 4—32158
Leeuwen, K.A.H.van *see* van Leeuwen, K.A.H.
Leeuwen, P.L.van *see* van Leeuwen, P.L.
Lefas, C.C. On the exploitation of the SSR mode S data link capabilities towards improving ATC tracker performance 4—49413
Lefebvre, M., Dangoisse, D., Glorieux, P. Refractive index variations induced by a microwave field interacting with the active medium of an FIR laser 4—42522
Lefebvre, R. *see* Lister, G. 4—36972
Lefevre, H. *see* Golio, J.M. 4—47050
Lefevre, H.C. *see* Arditty, H.J. 4—31163
Lefevre, H.C. *see* Bergh, R.A. 4—44487
Lefevre, H.C. *see* Kim, B.Y. 4—59203
Lefevre, P. *see* Bergerot, J.-L. 4—45188
Lefevre, T., Aveledo, M., Titli, A., Calvet, J.L. Application of hierarchical approach for short term economic dispatching of a large scale hydroelectric system 4—56494
Leffler, R. Evaluating your needs for integrating voice and data 4—47961
Leffrang, U., Schick, P. Switchgear and switching installations for use in potentially explosive atmospheres 4—62643
Lefler, L.F., Garriga, P.C., Ellena, T.L. System development of the Galileo receiver 4—48459
Lefrancois, J. *see* Chase, R.L. 4—39426
Lefterova, L.E. *see* Rakovska, V.K. 4—44407
Leftwich, R.W. *see* Liu, S.S. 4—51299
Legard, D., Lawrence, J. Privatisation: the headaches begin here 4—47952
Legarra, J.R., Merdinian, G.K., James, B.G. A convergent confined-flow focusing system for millimeter wave tubes 4—36221
Legendy, C.R. An 8-channel neuron recording interface for a microcomputer (Apple II), designed to gather spike occurrence times 4—49201
Legenza, M.W. *see* Alvarez, F.P. 4—36676
Leger, L.J. *see* Ehlers, H.K.F. 4—61856
Leger, P., Bihan, F. In search of the perfect gyroscope: the Electrostatically Suspended Gyroscope 4—54914
Legg, W.E. *see* Dragone, C. 4—37697
Leggett, J., Williams, G. An investigation of voice as an input mode for computer programming and home environmental control 4—49293
Leggett, J.D. Integrated circuits in consumer products 4—45842
Leggett, R.C. Intelligent control of data networks 4—48296
Legh, G. *see* Chen, K.W. 4—37558
Legler, H. Energy situation and competitiveness of the aluminium industry 4—40641
Legowski, S. Minimum duration of automatic measurement of dynamic parameters for intermediate frequency integrated circuits 4—36698
Legrand, B. *see* Briancon, C. 4—39488
Legras, J.-C. Calibration of ΔP sensors under pressure of zero to 400 bars 4—48855
Legras-Paccaud, Nicolas-Thepaut, Walraet-Betoule 2nd generation 140 Mbit/s line system on coaxial pairs 4—54608
Legros, W., Bonhomme, H. The circuit breaker combined with semiconductors—a new type of quenching chamber 4—34807
Legros, W. *see* Genon, A. 4—45544
Legros, W. *see* Labart, A. 4—34806
Legros, W.P., Morant, M.M. Breakdown of a coaxial cylinder gap in SF_6 under switching impulse voltages 4—42184
Leguet, C. *see* Vu, D.P. 4—30757
Lehar, A.F., Stevens, R.J. Image processing system for enhancement and deblurring of photographs 4—48811
Lehareinger, Y. *see* Birchler, B. 4—61765
Leheney, R.F. *see* Cheng, C.L. 4—47031
Leheny, R.F. High-field transport measurements 4—30347
Leheny, R.F. *see* Cheng, C.L. 4—36641, 4—42062
Leheny, R.F. *see* Liao, A.S.H. 4—37228
Lehikoinen, H. *see* Tervonen, M. 4—58120
Lehman, H.S., Jones, H.J. Semiconductor component quality 4—52044
Lehman, P.J. *see* Lauby, M.G. 4—62135
Lehmann, B., Mante, J. On-axis velocity measurement by laser Doppler anemometry 4—49041
Lehmann, B. *see* Wilhelm, R. 4—45752
Lehmann, E. *see* Jones, T.W. 4—55811
Lehmann, F. Considerations on the standardization of small earth stations 4—54725
Lehmann, G. *see* Rahder, Ch. 4—34417
Lehmann, H.W., Curtis, B.J., Fehlmann, R. A throttle valve for automatic pressure control in sputtering and reactive sputter etching 4—52028
Lehmann, R. Contributions to the Hungarian method 4—35408
Lehmann, R. *see* Dittrich, H. 4—54968
Lehmann, R.E. *see* Frensley, W.R. 4—58547
Lehmen, A.von *see* von Lehmen, A.
Lehner, T. *see* Lavergnat, J. 4—31740
Lehr, W.G. *see* Edwin, K.W. 4—34066
Lehtinen, P. *see* Martikainen, O. 4—54121
Lehto, A.O., Raisanen, A.V. Embedding impedance of a millimeter wave Schottky mixer: scaled model measurements and computer simulations 4—58896
Lehtonen, A. *see* Alamaki, J. 4—49713
Lehtonen, T. On the optimality of the shortest line discipline 4—46083
Lehui Zhang *see* Zhang Lehui
LeHuy, H., Germain, L., Roberge, R., Foner, S. Laboratory scale electroplating and processing of long lengths of in situ Cu-Nb_3Sn superconductors 4—31054
Lei Shizhan, Jiang Hui Investigation of output performances of free electron lasers 4—59369
Lei Shizhan *see* Wang Renwen 4—31268, 4—37255
Lei Wu *see* Wu Lei
Lei Zhang *see* Zhang Lei
Lei Zhen-huan, Chi Hong-guang, Wang Yi-hua 500 MHz quartz crystal resonators 4—59106
Leibenguth, J., Tophin, G. Friction pen 4—48935
Leibfried, W. Materials and processes for reliable soldering of chip components 4—41736
Leibholz, S.W. Trends in robotics and implications for the marine environment 4—61950
Leibinger, G.E. *see* McNutt, W.J. 4—57122
Leibisch, W. *see* Hubner, K.-H. 4—34767
Leibovich, R.L. *see* Buzinov, V.S. 4—55615
Leich, H. *see* Boite, R. 4—51435
Leichsenring, O., Petersson, C. Robot vision paves the way for flexible workshop automation 4—61091
Leicht, L., Derfiny, D. Automated SMD printed circuit board assembly 4—50550
Leiderman, A.Yu. *see* Andreev, A.A. 4—51912
Leiderman, A.Yu. *see* Azimov, S.A. 4—41875
Leifer, L., Zomlefer, M., La, W., Van der Loos, M., Goodrich, G.L. The IMAGES Project: the application of high resolution, real-time, full-color graphics simulation to rehabilitation 4—56172
Leifer, L. *see* Wicke, R. 4—56173
Leigh, P.A. *see* Wakefield, B. 4—46807
Leighton, F.T. New lower bound techniques for VLSI 4—42113
Leijonhufvud, G. *see* Borgstrom, O. 4—43901
Leikin, B.D. Synthesis of frequency detectors in the class of constant-impedance circuits 4—30070
Leikin, M.V. *see* Galanov, E.K. 4—46261
Leikus, V. *see* Basse, P. 4—55502
Leil, M.M.Abou El *see* Abou El Leil, M.M.
Leilabady, P.A., Jones, J.D.C., Kersey, A.D., Corke, M., Jackson, D.A. Monomode fibre optic vortex shedding flowmeter 4—55392
Leimbach, W. Simulation of digital electronic circuits 4—41298
Leimbrock, W., Stohr, R. Ion-sensitive field effect transistors 4—42071
Leiner, D.C. *see* Drake, A.D. 4—49165
Leinhard, H. Software tools for innovation 4—52213
Leininger, B.S., Werner, R.A. A macro-instruction performance simulator (MIPS) 4—35870
Leininger, S.W. *see* Roach, J.V. 4—35861
Leinster, C. Mobile phones: hot new industry 4—48402
Leipold, L., Tihanyi, J. Experimental study of a high blocking voltage power MOSFET with integrated input amplifier 4—36873
Leipold, L. *see* Fellinger, C. 4—52305
Leipuner, L.B. *see* Schmidt, M.P. 4—29946
Leise, J.A. The analysis and digital signal processing of NOAA's surface current mapping system 4—39717
Leiseifer, H.P., Skoog, A.I., Brouillet, A.O. Biological Life Support System 4—44876
Leisi, H.J. *see* Beer, W. 4—49102
Leising, T. *see* Comerchero, H. 4—49226
Leistner, D. Single drift IMPATT diodes on diamond heat sinks for W-band frequencies 4—30095
Leistner, K., Naunin, D. Control of a solar energy supply system by a microcomputer 4—56894
Leitao, M.J., Watson, P.A. Application of dual linearly polarized radar data to prediction of microwave path attenuation at 10-30 GHz 4—47599
Leitch, M. *see* Bryman, D. 4—33632
Leite, S.C.P. *see* de Lima, E.P. 4—33745
Leite da Silva, A.M., Arienti, V.L., Allan, R.N. Probabilistic load flow considering dependence between input nodal powers 4—56554
Leiterer, U., Weller, M. White standard ADC-BAS—a reference standard for reflection factors and radiation density 4—55147
Leith, E.N., Leon, S. Construction and evaluation of HOEs made in light of reduced coherence 4—31502
Leith, E.N., Swanson, G.J. Optical processing techniques in incoherent light 4—43409
Leithner, R. Supercritical steam generators: design criteria and operational experiences 4—45286
Leithner, R. *see* Laubli, F. 4—56790
Leitl, F. Disturbance-free current supply by C_A-technology 4—29636
Leitl, F., Eberbach, R., Homburg, D. Impress technique solves high frequency problems with backplates 4—46481
Leitl, F., Eberbach, R., Homburg, D. A press-in backplane connection technique for HF circuitry 4—46495
Leitner, G. The membrane keyboard—a modern circuit element 4—46663
Leitz, F.J. *see* Gold, R. 4—39459
Leja, E., Horodyski, T., Budzynska, K. Magnetron technique of thin film production 4—46244

Lejdy, B. Current carrying capacity of reinforcement rods in structures of armoured concrete 4—34217

Lejeune, M., Boilot, J.P. Ceramics of perovskite lead magnesium niobate 4—36931

Lejus, A.-M. *see* Vivien, D. 4—42591

Lekatsas, E., Georgantzis, G. Problems in the determination of the specifications for an HVDC back-to-back converter station 4—34762

Leksutin, S. New power supply controller and cycler developed 4—34811

Lelechitskii, E.S., Eliseev, Yu.V. Finding the best sizes and positions of a high-voltage metal screen in a cylindrical shell 4—53231

Lella, L.Di *see* Di Lella, L.

Lemaire, A. *see* Danno, J.B. 4—54519

LeMaire, P.J. *see* Csencsits, R. 4—52633

Lemaire, P.J. *see* Venkatesan, T. 4—53076

Lemaire-Dezaly, F. *see* Massies, J. 4—41837

Lemaitre, J.-L. *see* Doumenc, A. 4—34715

Lemaitre, P. *see* Laber, C.A. 4—54497

Lemanov, V.V. *see* Kandidova, O.V. 4—42743

Lemanov, V.V. *see* Vasilenko, P.G. 4—42421

Lemay, G.J. *see* Kay, S.M. 4—60269

Lembke, B. *see* Altmann, O. 4—50851

Lembo, L. *see* Laitano, R.F. 4—39635

Lementueva, N.V., Luchkin, S.V., Malkin, M.G., Povidaiko, P.M. Wideband amplifier with high dynamic range [spectral analyser application] 4—58170

Lemeur, R. *see* Breuze, G. 4—42479

Lemieux, P. *see* Duch, R. 4—54249

Lemke, E. History of television receiver technology (1962 to present) 4—54977

Lemme, H. BIGFON starts up 4—32184

Lemme, H. Ready-to-use modules for optical data transmission 4—38609

Lemnios, Z.J. *see* Dickens, L.E. 4—58540

Lemnios, Z.J. *see* Henry, H.G. 4—52031

Lemon, C.J. *see* Massey, G.A. 4—44636

Lemonias, P.J. *see* Hoke, W.E. 4—41041

Lemons, R.A. *see* Bosch, M.A. 4—52113

Lempel, A. *see* Cohen, G. 4—43139

Lempel, A. *see* Etzion, T. 4—47745

Lempert, I.E. The development of consumer radio from the late 1950s to the present 4—54982

Lemrow, C.M., Reitz, P.R. Single-mode optical waveguide specifications 4—52602

Lemstra, W. *see* Kuznik, F.C. 4—54570

Lenahan, P.M., Dressendorfer, P.V. Microstructural variations in radiation hard and soft oxides observed through electron spin resonance 4—30433

Lenahan, P.M., Dressendorfer, P.V. Hole traps and trivalent silicon centers in metal/oxide/silicon devices 4—41908

Lenail, B. Spent fuel transport in and to France 4—62290

Lenarczyk, J. *see* Majcher, M. 4—45392

Lencses, J. *see* Fuzesi, E. 4—56518

Lendvay, E. Thermal etching of ZnS 4—41997

Lendvay, E. Ternary A^{III} B^{V} antimonides 4—50745

Leney, J.E. Solder preform and method of sealing 4—45979

Leney, J.E. *see* Ahmad, N. 4—50539

Lengauer, T., Mehlhorn, K. The HILL system: a design environment for the hierarchical specification, compaction, and simulation of integrated circuit layouts 4—46301

Lenggenhager, M. *see* Muller, P. 4—35830

Lengquist, B., Wiberg, P.A. EDNET for the supervision of data transmission networks 4—54446

Lengrand, J.-C. *see* Allegre, J. 4—44890

Lengyel, G., Potecz, B. Insertion of electric energy generation by nuclear power plant into the Hungarian electric energy system 4—62054

Lenkova, G.A. Angular interferometers for laser scanners 4—42679

Lennard, D.E. Ocean Thermal energy conversion—progress and prospects 4—34511

Lenners, D. *see* Linthe, H.-J. 4—39689

Lennig, M. *see* Gupta, V.N. 4—53508

Lennon, R.E., Matyas, S.M., Meyer, C.H., Oseas, J. SNA bind security enhancement 4—43785

Lenormand, J.M. *see* le Floch, A. 4—37396

Lenox, T.L., Dean, R.A. Improve problem management step by step [computer networks] 4—48196

Lenschow, J. Bus systems—communication service for industrial plants 4—38379

Lenskii, A.A. *see* Baginskii, L.V. 4—49627

Lenstra, H.W., Jr. *see* Cohen, H. 4—29405

Lenth, W. Picosecond gain measurements in a GaAlAs diode laser 4—59544

Lentyaev, L.D., Smirnov, L.V. Provision of reliability of surplusing and outlet works of large hydroelectric schemes 4—45329

Lentz, J.W. *see* Flink, H.G. 4—50503

Lentz, R.E. *see* Bittan, T.D. 4—41228

Lentz, W.J. *see* Lindberg, J.D. 4—56285

Lenyuk, G.K., Gladarevskii, V.M., Savchenko, A.G., Filippov, V.E. Establishing intervals between tests for means of measurement 4—33080

Lenz, J.J., Hopp, S.E. Evaluating the lower limits of diffused gold-palladium-silver alloy thickness and composition maintaining a high reliability contact 4—58586

Lenz, K. *see* Liese, M. 4—56930

Lenz, L.L. *see* Meiners, E.P. 4—61910

Lenz, M. Low frequency amplifier for operation from 1 volt power supply 4—33016

Lenz, P., Sabben, G., Lambert, R., Berger, F. Quartz fibers for laser therapy in tissue contact 4—49300

Lenz, W. *see* Reineck, S. 4—46969

Lenzen, G. *see* Eek, L.O. 4—49069

Lenzini, L. *see* Celandroni, N. 4—38571

Lenzini, R., Rakauskas, G. Personal computers and Faxon's LINX network 4—43763

Leohlein, W. *see* Baier, E. 4—51245

Leon, B.J. Controlling technology transfer 4—40769

Leon, B.J., Paul, C.R., Natarajan, S. The educational core of electrical engineering 4—57732

Leon, S. *see* Leith, E.N. 4—31502

Leon, S.J. Dial-A-Shuttle lines keep ringing 4—38591

Leon-Garcia, A. *see* Kwong, R.H. 4—47923

Leon-Garcia, A. *see* Williams, G.F. 4—53966

Leonard, M. Petrol filling stations [safety] 4—40784

Leonard, R. *see* Baines, R.W. 4—45993

Leonard, R.E., Jr. *see* Loeffler, C.M. 4—60143

Leonard, R.F., Cordes, W.F., III New positive resist designed for use in the mid ultraviolet 4—36387

Leonard, R.F. *see* Toukhy, M.A. 4—36677

Leonard, R.G. A database for speaker-dependent digit recognition 4—53575

Leonard, R.W. *see* Hughes, M.B. 4—34041

Leonard, T.W., Vidula, B.S., Corbin, M.A. The impact of wavelength division multiplexing on fiber optic radar remoting 4—38658

Leonard, W.B., Chow, K.K. A new bus architecture for distributed avionic systems 4—44859

Leonardi, J. A new generation of nickel-iron accumulators 4—34844

Leonardson, K.R. *see* Borgwardt, L.C. 4—49803

Leonberger, F.J., Diadiuk, V. High-speed InP-based photodetectors 4—37223

Leonberger, F.J. *see* Becker, R.A. 4—60194

Leonberger, F.J. *see* Cox, C.H., III 4—59299

Leonberger, F.J. *see* Goodman, J.W. 4—60868

Leonberger, F.J. *see* Haus, H.A. 4—52543

Leone, G. *see* D'Elia, G. 4—31799, 4—37712

Leonenko, D.A., Rybakov, V.G., Sen'ko, V.A. Auxiliary controlling for data acquisition from scintillation detectors 4—48789

Leong, P.K. *see* Mortara, M.E. 4—32238

Leong, P.K. *see* Shanmugan, K.S. 4—32674

Leong, P.K. *see* Wade, W.D. 4—37789

Leong, W.Y. *see* Kubiak, R.A.A. 4—35472

Leonhard, W. Control of AC-machines with the help of microelectronics 4—57033

Leonkov, A.M. *see* Prokopenko, A.G. 4—40074

Leonov, A.G. *see* Baranov, V.Yu. 4—59450

Leonov, B.I. *see* Gusev, E.A. 4—35559, 4—49082

Leonov, E.I. *see* Drozdov, Yu.N. 4—37194

Leonov, G.A. Frequency criteria for instability of phase-synchronization systems 4—29728

Leonov, I.G. Metrological characteristics of non-destructive test facilities and methods 4—33079

Leonov, V.V., Kokin, Yu.N. Optical methods of measuring deviations from rectilinearity 4—33481

Leonov, V.V. *see* Zeigman, L.L. 4—33475

Leonova, V.E. *see* Prokof'eva, N.K. 4—41051

Leont'ev, A.S., Shchers, A.L. Software system architecture for file transfer in an experimental VTs computer network 4—32481

Leont'ev, G.A. *see* Shchutskii, V.I. 4—45174

Leont'ev, K.L. A relationship for the temperature dependence of the electrical resistance of conductors 4—58553

Leont'ev, V.A. *see* Mokin, B.I. 4—62168

Leont'ev, V.A. *see* Sinel'nikov, V.Ya. 4—62169

Leont'ev, V.K. *see* Zenkin, A.I. 4—47920

Leontovich, A.M. *see* Varnavskii, O.P. 4—31363

Leont'yev, V.V. *see* Beskid, P.P. 4—32855

Leotin, J., Laverny, C., Barbaste, R., Ricart, D., Askenazy, S., Birch, J.R. A study of the FIR stress induced photoconductivity in gallium doped germanium 4—37203

Leotin, J. *see* Marquez, J. 4—45499

Leou, T.-Y., Aggarwal, J.K. Difference equation implementation of time-variant digital filters 4—43392

Leou, T.-Y., Aggarwal, J.K. Recursive implementation of LTV filters—frozen-time transfer function versus generalized transfer function 4—60034

Lepekhin, N.M. *see* Ermolovich, E.S. 4—46388

Lepilin, R.S. Ventilators for accumulators 4—40393

Lepisto, J.W., Decker, D.K., Graves, J. High voltage battery cell scanner development 4—34771

Lepore, M. *see* Dell'Erba, M. 4—53045

Leporelli, C. *see* Bertolazzi, P. 4—50679

Leporski, V.D. *see* Venikov, V.A. 4—56401

Leporskii, V.D. *see* Venikov, V.A. 4—56421

Leppavuori, S., Niemela, P., Piila, T., Uusimaki, A. Miniature frequency-output temperature transmitter based on a ceramic capacitive sensor 4—48834

Leppihalme, M. *see* Gyllenberg-Gastrin, U. 4—36289

Leps, B. Grassroots—an agribusiness videotex service 4—32322

Lequesne, B., Miles, A.R. Generalized root loci theory for the static Scherbius drive 4—57396

Lequyader, A. *see* Adoul, J.-P. 4—53494

Lerer, A.M., Lyapin, V.P., Sinyavskiy, G.P. Analysis of complex cross section waveguides containing dielectric material 4—31731

Lerer, A.M., Mikhalevskii, V.S., Umzar, Yu.A. Calculation of the dispersion characteristics of a four-ridge corrugated waveguide 4—47652

Lerer, A.M., Sinyavskii, G.P., Tsyupko, A.S. Electrodynamical analysis of characteristics of fin lines with finite conductor thickness 4—59832

Lerer, A.M., Tsvetkovskaya, S.M. Equalization of the phase velocities of waves in slot-coupled microstrip lines 4—51508

Leri Shizhan, Zhao Donghuan, Chen Jianwen Periodic length choice of wiggler and frequency variations for free-electron lasers 4—59371

Lerinman, N.K. *see* Gluzman, N.G. 4—30398

Lerman, D. *see* Hirst, E. 4—49513

Lerner, E.J. The drive to regulate electromagnetic fields 4—37519

Lerner, E.J. Biological effects of electromagnetic fields 4—56208

Lerner, E.J. Nurturing energy infants and orphans 4—57756

Lerner, E.J. International data wars are brewing [communication networks] 4—60336

Lerner, E.J., Goldsen, R.K., Bagdikian, B.H., Johnston, D., Molnar, A.H., Deringer, D.K., Withrow, F.B., Cyert, R.M., Van Valkenburg, M.E., Guterl, F. Beyond 1984: technology and the individual—education 4—50364

Lerner, E.S. *see* Gurvich, A.K. 4—58085

Lerner, J.M., Flamand, J., Laude, J.-P., Thevenon, A. New approaches in spectrum monitoring devices. [Holographic gratings] 4—47517

Lerner, L.M. *see* Kabanov, A.N. 4—41941

Lerner, P.B. *see* Zel'dovich, B.Ya. 4—31522

Lerouge, C. *see* Bennerot, G. 4—32661

Lerouge, C.P., Girard, P., Colardelle, J.S. A fast 16 bit NMOS parallel multiplier 4—51368

Leroux, J.P. Temperature measurements: the renaissance of luminescent sensors 4—49031

Leroy, B. Conversion of electromagnetic quantities from MKSA to Gaussian units (and vice versa) using dimensional analysis 4—29149

Leroy, C. *see* Rameika, R. 4—33678

Leroy, C. *see* Wagoner, D.E. 4—33676

Leroy, Y. *see* Bellarbi, L. 4—44721

Leroy, Y. *see* Enel, L. 4—33808

Leroy, Y. *see* Mamouni, A. 4—33821, 4—44732

Lescure, M. *see* Dziadowiec, A. 4—33351

Leseberg, D., Bryngdahl, O. Computer-generated rainbow holograms 4—53090

Leselidze, D.V. *see* Kakichashvili, Sh.D. 4—59648

Leshchenko, N.P. High-voltage suspension insulators with semiconducting glaze 4—49616

Leshchenko, V.M. *see* Baginskii, L.V. 4—49627

Leshchinskii, A.M. *see* Kulichikhin, V.V. 4—40099

Leshin, O.G. *see* Danilov, P.E. 4—50125

LeSiege, D.R. *see* Erikson, C.A., Jr. 4—52407

Lesin, N.M., Faibisovich, V.A. Introduction of Electronika S5 microcomputer into power loss recording systems and automatic excitation control systems 4—34238

Lesko, I. Analysis of data on the availability of hydroelectric aggregates in hydroelectric power stations in relation to maintenance 4—49794

Leskovar, B. *see* Kolbe, W.F. 4—34336

Leskovar, B. *see* Lo, C.C. 4—35652, 4—36233, 4—58707

Leslie, J.D. *see* Trakalo, M. 4—44569

Leslie, J.H., Jr. Rehabilitation and technology—a necessary marriage 4—49323

Lesman, M.Ya., Tukh, G.Sh. The noise immunity of digital data transmission with frequency adaptation and space diversity 4—53344

Lesman, M.Ya. *see* Gut, R.E. 4—53411

Lesniak, M., Napchan, E., Holt, D.B. Electrical microcharacterisation using the SEM charge collection mode 4—45663

Lesniak, M. *see* Luther, P.K. 4—44420

Lesniewski, A. The method for the software analysis of the composite stereophonic signal 4—47864

Lesnik, V.A. *see* Lishchenko, A.I. 4—62733

Lesnov, I.A. *see* Basov, N.G. 4—37312

Lesnov, I.A. *see* Kovsh, I.B. 4—35692

Lesota, S.K. *see* Boyakhchyan, G.P. 4—46611

Lesourd, J.B., Ruiz, J.-M. Human resources for energy management: the case of French industry 4—50391

Lespect, J. Speed governors—it pays to modernise 4—45324

L'Esperance, L.D. *see* Jang, S.-J. 4—52564

Lessard, R.A. *see* Calixto, S. 4—53087

Lester, H.L., Rappaport, S.S., Puckette, C.M. PRCS—a consumer mobile radio telephone communication system with distributed control 4—32709
Lester, H.L. *see* Kolavennu, V.R. 4—60720
Lester, J.N. *see* Cohen, S. 4—57515
Lester, T.P., Pulfrey, D.L. A new method based on the superposition principle for the calculation of the two-dimensional potential in a buried-channel charge-coupled device 4—52098
Letalick, D. *see* Renhorn, I. 4—54897
Letardi, T. *see* Dattoli, G. 4—47376, 4—52852
Letchford, T.E. *see* Anishchenko, V.S. 4—35675
Letendre, R., Sevigny, A., Rajagopalan, V. Filters suitable for uninterruptible power supply inverters 4—34142
Letnitskii, Yu.A. *see* Karasev, V.B. 4—40026
Letokhov, V.S. *see* Yakovlev, E.N. 4—55743
Letournel, M. The Strasbourg project: a Vivitron of 35 MV 4—33569
Letournel, M., Oberlin, J.C., Heng, G., Heugel, J., Wagner, P. Second step of the upgrading of the Strasbourg MP (16-18 MV) 4—33559
Letowski, T., Smurzynski, J. Evaluation of electroacoustic devices by the equivalent scale methods 4—44929
Lettieri, A., Liguori, F. Characterization of some fuzzy relation equations provided with one solution on a finite set 4—46119
Lettl, J. Design of parameters of a control unit, realised by a microcomputer, of the traction drive with an induction machine and inverter 4—40548
Lettl, J., Cerovsky, Z. Mathematical model of the drive with an induction machine and a direct frequency converter 4—57388
Lettl, J. *see* Cerovsky, Z. 4—57387
Letty, L.Le *see* Le Letty, L.
Leturcq, P. Power bipolar devices 4—36554
Leu, J.-G. *see* Kobayashi, H. 4—61780
Leu, V. Better, faster, cheaper [multimeter] 4—44544
Leu Ming-Yuan *see* Ming-Yuan Leu
Leue, W.M. *see* Hart, H.R. 4—49158
Leuenberger, K. The structure and characteristics of digital directional radio equipment with PSK and QAM modulation 4—32682
Leunen, J.A.J.van *see* van Leunen, J.A.J.
Leung, C. *see* Chang, Y. 4—32105, 4—37795
Leung, C. *see* Richmond, E.D. 4—41048
Leung, C.-H., Kim, H.J. A comparison of Ag/W, Ag/WC, and Ag/Mo electrical contacts 4—41630
Leung, C.K. *see* Lam, F.K. 4—58435
Leung, D.B. *see* Lui, J.W.Y. 4—62251
Leung, H.C., Zue, V.W. A procedure for automatic alignment of phonetic transcriptions with continuous speech 4—53501
Leung, J.Y.-T., Vornberger, O., Witthoff, J.D. On some variants of the bandwidth minimization problem 4—50667
Leung, K.M., Lange, S.R. Wavefront evaluation on laser diodes using a phase measurement interferometer 4—59565
Leung, K.N., Ehlers, K.W. Volume H^- ion production experiments at LBL 4—44670
Leung, K.N., Ehlers, K.W. H^- production from different metallic converter surfaces 4—61636
Leung, K.N., Pincosy, P.A., Ehlers, K.W. Directly heated lanthanum hexaboride filaments 4—58681
Leung, K.N. *see* Bacal, M. 4—44674
Leung, K.N. *see* Ehlers, K.W. 4—44683
Leung, K.N. *see* Lietzke, A.F. 4—61642
Leung, K.N. *see* Matuk, C.A. 4—61667
Leung, K.N. *see* van Bommel, P.J.M. 4—55807, 4—61635
Leung, K.S., Stronach, A.F. Integration of wind turbine generators into small diesel-based power systems 4—34550
Leung, M., Drew, H.D. Nonlinear photoconductivity of $Cd_{1-x}Mn_xSe$ 4—37202
Leung, S.H., Barnes, C.W. State-space realizations of fractional-step delay digital filters with applications to array beamforming 4—43339
Leung, T.-S. *see* Bensaoula, A. 4—41081
Leung, W. Digital frequency meter 4—33340
Leung, W., Neureuther, A.R., Oldham, W.G. Edge sharpening, contrast enhancement, and feature dependent amplification in inorganic resist—a simulation study 4—36674
Leung, Y.-Y. *see* Shanblatt, M.A. 4—56556
Leung, Y.-Y.J., Shanblatt, M.A. VLSI systolic arrays for enhancement of load flow throughput 4—62031
Leung Wai Chiu *see* Spinks, J.A. 4—33835
Leupin, I.H. The changeover to electrical space heating from the viewpoint of energy supplies 4—40619
Leupold, H.A., Potenziani, E., Tauber, A., Mildrum, H.F. High-coercivity 2:17 cobalt rare-earth magnets 4—30957
Leuskiy, V.Ye. *see* Bozhkov, V.G. 4—30598
Leuterer, F. *see* How, J.A. 4—58491
Leuthauser, K.-D. On the electromagnetic pulse generated by exo-atmospheric nuclear detonations 4—31680
Leutheusser, H.J. *see* Boerner, T. 4—33245
Leutsch, B. The Delta R50 soldering iron 4—29247
Leuven, J.Van *see* Van Leuven, J.
Leuven, K.U. *see* De Pauw, P. 4—51749
Leuzzi, G. *see* Sorrentino, R. 4—41537
Lev, O.M. *see* Kiselev, P.V. 4—62504
Lev-Ari, H., Kailath, T. Spectral analysis of nonstationary processes 4—43072
Lev-Ari, H., Kailath, T., Cioffi, J. Least-squares adaptive lattice and transversal filters: a unified geometric theory 4—43309
Levasseur, A., Delmas, C., Menetrier, M., Hagenmuller, P. Advanced solid state batteries 4—62686
Levasseur, A., Menetrier, M., Hagenmuller, P. New solid electrolytes and applications to solid state batteries 4—45611
Levchenko, E.B. *see* Vedenov, A.A. 4—59656
Levchenko, E.G. *see* Kravchenko, V.I. 4—42601
Levchenko, I.M. *see* Grotte, A.M. 4—58843
Levchenko, I.S., Merkulova, S.P., Motulevich, G.P., Anshukova, N.V. Superconducting properties and structure of vacuum-deposited Nb-Al-Ga films 4—37050
Levedev, Yu.P. *see* Kaplun, I.M. 4—33314
Levelle, T. *see* Russell, S. 4—38556
Levensen, M.D., Goodman, D.S., Lindsey, S., Bayer, P.W., Santini, H.A.E. The phase-shifting mask II: imaging simulations and submicrometer resist exposures 4—46906
Levenson, M.D. *see* Bjorklund, G.C. 4—47300
Levenson, M.D. *see* Romagnoli, M. 4—47507
Levent-Villegas, M. X-band paraphase amplifier 4—41584
Leventhal, M. *see* Gehrels, N. 4—33704
Lever, K.V. Quantising noise spectra 4—43082
Leverich, L. *see* Woo, A. 4—51548
Levernes, S. *see* Dahlin, H. 4—44771
LeVert, F.E., Kress, R.L., Bell, D.L. Testing of a prototype PWR design gamma thermometer for use as a local power monitor in the thimble tube of a nuclear reactor 4—34341
Levesque, J.-M. Thermodynamic efficiency testing of a large medium head turbine 4—49808
Levesque, M. *see* Arsenault, H.H. 4—32012
Levesque, P. *see* Morais, M. 4—32324
Levett, D.B. *see* Brown, D.J. 4—57049
Levi, A., Stark, H. Image restoration by the method of generalized projections with application to restoration from magnitude 4—60178
Levi, A., Stark, H. Image restoration by the method of generalized projections with application to restoration from magnitude 4—60253
Levi, A.M. *see* Zagorskii, Ya.T. 4—53040
Levi, E. *see* Kuo, S. 4—34940
Levi, E. *see* Levran, A. 4—49857
Levi, M. *see* Baillieul, J. 4—49345
Levi, P., Horner, R. Using moments of inertia to determine symmetrical properties in three dimensions 4—32059
Levi, P., Weirich, E. Using lasers for quality control with synthetic pictures 4—38059
Leviatan, Y., Harrington, R.E. A low frequency moment solution for electromagnetic coupling through an aperture of arbitrary shape 4—53195
Leviatan, Y. *see* Adams, A.T. 4—37619
Leviatan, Y. *see* Li, P.G. 4—42901
Levicky, D. *see* Chmurny, J. 4—32017, 4—60171
Levin, A.Yu. *see* Kopylov, G.N. 4—50874
Levin, B.B. *see* Faith, T.J. 4—36692
Levin, E.D. *see* Smirnov, B.V. 4—55531
Levin, E.I. Percolation nonohmic conductivity of polycrystalline semiconductors 4—58713
Levin, G.G. *see* Zaborov, A.N. 4—31513
Levin, G.I. High-power industrial pulsed CO_2 laser 4—59680
Levin, H.R. *see* Halperin, H.R. 4—49132
Levin, K.H. *see* Tran, D.C. 4—52630
Levin, M.S. *see* Budzko, I.A. 4—39855
Levin, N., Zahavi, J. Optimal mix algorithms with existing units [thermal power stations] 4—45005
Levin, N.N., Rolik, Yu.A. Improving the effectiveness of controlled independent electric power supply systems 4—34047
Levin, R.E. On the non-rectangular cavity approximation 4—57533
Levin, R.H. Optical recording media 4—37084
Levin, R.L. *see* Hagmann, M.J. 4—39583
Levin, R.R. *see* Jaffe, L.D. 4—34521
Levin, S.M. *see* Sushkova, I.T. 4—30869
Levin, Yu.A., Vyatkin, M.A. On electrification efficiency of certain medium and low-temperature processes in the chemical industry 4—40662
Levina, M.D., Reznikov, S.V., Fridman, P.A. A digital sign correlator for a very long baseline radiointerferometer 4—54921
Levina, N.N. *see* Fedorov, A.N. 4—42911
Levine, A.L. Satellite communications for public service in the Pacific Basin: policy, institutional and infrastructure issues 4—32744
Levine, B.F., Bethea, C.G. Error rate measurement for single photon detection at 1.3 μm 4—33301
Levine, B.F., Bethea, C.G. Detection of single 1.3 μm photons at 45 Mbit/s 4—33305
Levine, B.F., Bethea, C.G., Campbell, J.C. Near room temperature 1.3 μm single photon counting with a InGaAs avalanche photodiode 4—47345
Levine, E. *see* Ashkenazy, J. 4—37776
Levine, H.R. *see* Landry, L.G. 4—30880
Levine, J. *see* Bean, P. 4—44421
Levine, J.L. Performance of an eyetracker for office use 4—33805
Levine, M. *see* Cramer, J.C. 4—50234
Levine, M.D., Craig, P.P. A decade of United States energy policy 4—39982
Levine, M.D., Nazif, A.M. An optimal set of image segmentation rules 4—53892
Levine, R.J. Building an electronic publishing organization 4—48151
Levine, R.S. *see* Craelius, W. 4—56134
Levine, S.P. Functional assessment of the handicapped for assistive aids 4—49292
Levinsen, M.T. *see* Alstrom, P. 4—52506
Levinsen, M.T. *see* Kai Hansen, F. 4—59162
Levinshtein, M.E., Rumyantsev, S.L. Noise of the $1/f$ type under conditions of a strong geometric magnetoresistance 4—30338
Levinshtein, M.E. *see* Bilenko, Yu.D. 4—30417
Levinshtein, M.E. *see* Brylevskii, V.I. 4—58916
Levinshtein, M.E. *see* Kireev, O.A. 4—36055
Levinshtein, M.E. *see* Vainshtein, S.N. 4—36570
Levinshtein, M.L. *see* Davydov, V.E. 4—45170
Levinshtein, M.L. *see* Kadomskaya, K.P. 4—62647
Levinson, F.H., Granlund, S.W. Single GRIN-lens directional couplers 4—36017
Levinson, J., Shepherd, F.R., Scanlon, P.J., Westwood, W.D. Gate modulation of grain boundary dominated conductivity in polycrystalline semiconductor thin film transistors 4—36643
Levinson, N.S. Managing multi-organization projects: a people perspective 4—29182
Levinson, S.E. *see* Rabiner, L.R. 4—43263, 4—53462, 4—59965
Levis, M.P. *see* Fujishin, E. 4—59046
Levishina, E.S., Pyatyshev, E.N., Chernen'kaya, L.V. Membrane vacuum gauge with frequency output 4—33275
Levit, A.D. *see* Bochkov, Yu.V. 4—58012
Levit, A.L. *see* Krupkin, V.Kh. 4—37349
Levit, I.G., Vol'venkina, A.N., Furman, R.M., Dul'man, L.B. Startup heat condition characteristics of turbine casings in startup configurations where flanges are heated at the reduction 4—40091
Levit, I.G. *see* Ivanov, V.A. 4—49667
Levitan, B.M., Crosier, W.G. A portable μ-computer digital recorder 4—56076
Levitin, L. *see* Karpovsky, M. 4—43137
Levitin, L.B. Ideal corpuscular information channel 4—44138
Levitskaya, R.O. *see* Zharkikh, Yu.S. 4—36472
Levitskii, A.S. *see* Grinevich, F.V. 4—55443
Levitskii, O.E. Analysis of errors due to switching in a multichannel matrix switch of analogue signals 4—60283
Levitsky, F.J. *see* Emanuel, A.E. 4—62171
Levkov, C., Michov, G., Ivanov, R., Daskalov, I.K. Subtraction of 50 Hz interference from the electrocardiogram 4—44759
Levonovich, B.N. *see* Bochkov, Yu.V. 4—58012
Levonovich, B.N. *see* Georgobiani, A.N. 4—58733, 4—59360
Levran, A., Levi, E. Design of polyphase motors with PM excitation 4—49857
Levshin, N.L. *see* Kozlov, S.N. 4—46799
Levshin, V.P., Struchev, V.F., Kharitonov, A.G. Method of designing adaptive filters with a limited training sample size 4—31980
Levstek, D. *see* Spegel, M. 4—46673
Levush, B., Manheimer, W. Generation of high frequency radiation by quasi-optical gyrotron at harmonics of the cyclotron frequency 4—41777
Levush, B., Manheimer, W.M. Cavity design for quasi-optical gyrotron and gyroklystron operation at harmonics of the cyclotron frequency 4—58692
Levy, D.J., Hollandsworth, R.P., Gonzales, E.M., Littauer, E.L. Performance of a rapidly refuelable aluminum-air battery 4—40417
Levy, E. *see* Gardner, S. 4—55287
Levy, E., Jr. Nickel-hydrogen battery technology—a tenth anniversary review 4—40407
Levy, F. *see* Daniels, R.R. 4—58777
Levy, J., Linkens, D.A. Spectral analysis of short-time biomedical data using adaptive filters 4—39565
Levy, K. Productivity and process feedback [for VLSI] 4—58981
Levy, P.H. EMP: considerations for system design 4—47640
Levy, R.A. *see* Green, M.L. 4—41094
Levy, W.A. Broadband networks prove expensive for interconnecting terminals 4—54377
Lew, H.G., Rieke, K.L., Toof, E.J.L. Coal water slurry combustion in industrial gas turbines 4—56853
Lewall, D.B. Review of medical imaging techniques 4—39556
Lewandowski, J. *see* Miller, A. 4—56825
Lewandowski, R.J. Automated signal generator level characterization and verification 4—44525

Lewandowski, W., Jablonski, M., Kamelski, W., Kosecki, L., Suchwalko, J. Application of the current balance in building measuring instrumentation 4—61448
Lewicki, G., Cohen, D., Losleben, P., Trotter, D. MOSIS: present and future 4—42172
Lewien, T. Capacity increase in speech processing with additional array processor 4—53459
Lewin, A.C. *see* Jackson, D.A. 4—37108
Lewin, A.C. *see* Kersey, A.D. 4—37106
Lewin, I., McFarlane, J.A. Performance characteristics of fluorescent lamp and ballast combinations 4—57514
Lewin, I.H. *see* Ward, R. 4—36665
Lewin, L. A method of avoiding the edge current divergence in perturbation loss calculations [for strip lines] 4—53260
Lewin, P.A. Polymer hydrophones in biomedical ultrasonics 4—56112
Lewin, T. *see* Anderson, D. 4—58493
Lewis, A. *see* Mills, D.M. 4—56064
Lewis, A.D. Developing technical careers in large corporations: where do the responsibilities rest? 4—50427
Lewis, A.R. The Sidney A. Murray, Jr. Hydropower Project 4—45347
Lewis, A.V. *see* South, C.R. 4—51455
Lewis, B.L. *see* Kretschmer, F.F., Jr. 4—54857
Lewis, C. *see* Deans, C.D.P. 4—52752
Lewis, C.H. *see* Kim, M.D. 4—33916
Lewis, C.R., Ludowise, M.J., Dietze, W.T. H_2Se 'memory effects' upon doping profiles in GaAs grown by metalorganic chemical vapor deposition in (MO-CVD) 4—41090
Lewis, C.R. *see* Brown, J.M. 4—46842
Lewis, D. Bridge for use in an instrumentation system 4—55580
Lewis, D. *see* Blauvelt, H. 4—54805, 4—55455
Lewis, D.L. *see* Hinchliffe, J.D.S. 4—54842
Lewis, E.O. *see* Currie, B.W. 4—33988
Lewis, E.T. Optimization of device area and overall delay for CMOS VLSI designs 4—52301
Lewis, E.T. The VLSI package—an analytical review 4—58972
Lewis, F.M., Forbess, R., Greb, F.W. Track boiler performance when firing solid waste fuels 4—56838
Lewis, G.W. *see* Carter, G. 4—42006
Lewis, H. *see* Suyderhoud, H. 4—60750
Lewis, H.M. *see* Waghorne, R.M. 4—42273
Lewis, J. Satellites and the ISDN 4—38154
Lewis, J., Sudarshan, T.S., Thompson, J.E., Lee, D., Dougal, R.A. Pre-breakdown and breakdown phenomena of dielectric surfaces in vacuum and nitrogen gas stressed by 60 Hz voltages 4—30824
Lewis, J. *see* Paler, K. 4—51668
Lewis, J.E. *see* Briggs, W.E. 4—39287
Lewis, J.E. *see* Butts, J.R. 4—40601
Lewis, J.R. Factors involved in determining the performance of digital satellite links 4—38533
Lewis, K.L., Arthur, G.S., Banyard, S.A. Hydrogen-related defects in vapour-deposited zinc sulphide 4—30330
Lewis, M. Low loss SAW devices employing single stage fabrication 4—52403
Lewis, M. *see* Fraser, G.W. 4—61678
Lewis, M.F. SAW components for radar front ends 4—30937
Lewis, M.F., West, C.L. The design and performance of SAW convolvers with extended integration times 4—52418
Lewis, M.F., West, C.L., Deacon, J.M., Humphryes, R.F. Recent developments in SAW devices 4—47164
Lewis, M.L. Electrical installation technology 1. Second edition 4—29194
Lewis, M.L. Electrical installation technology 2. Second edition 4—35234
Lewis, M.L. Electrical installation technology 3 4—35235
Lewis, N.S. *see* Rosenbluth, M.L. 4—58820
Lewis, P.A.W. Generating negatively correlated gamma variates using the beta-gamma transformation 4—35365
Lewis, R.B. Track-recording techniques used on British Rail 4—48717
Lewis, R.C. *see* Bialecke, E.P. 4—44862
Lewis, R.K. *see* Ahmad, N. 4—50539
Lewis, R.O., Jr., Lubar, D.G. Graphical rapid pulse spectrum analysis using the Lewis locus 4—37942
Lewis, S. Lenses: the sharp end of the camera 4—61030
Lewis, S.C. Bootstrap array cell 4—46465
Lewis, T.J. The role of electrodes in conduction and breakdown phenomena in solid dielectrics 4—59056
Lewis, V.E. International intercomparison of d+T neutron fluence and energy using niobium and zirconium activation 4—61704
Lewowska, L., Szarska, S., Rysiakiewicz-Pasek, E. Thermostimulated exoelectron emission (TSEE) from the surface of laser-irradiated silicate glasses 4—30246
Lewy, S. *see* Schmitz, F.H. 4—61869
Lewyn, L.L., Meindl, J.D. An IGFET inversion charge model for VLSI systems 4—36862
Lewyn, L.L., Meindl, J.D. Physical limits of VLSI DRAMs 4—51234
Leyhausen, M. Photomechanism for printed circuits 4—46675
Leyhausen, M. Photomechanics for printed circuit films 4—51631
Leyland, B.W. *see* Pickens, G.A. 4—62435
Leyman, V.G., Litvintseva, S.P., Ovsyannikova, O.B. Nonsteady-state quasiballistic motion of electrons through semiconductor layers of submicron thickness 4—30297
Lezhoev, R.S., Novik, A.I., Borshev, P.I. Capacitative position-sensitive unit for monitoring-regulation system 4—44489
Lezin, V.Yu., Razborov, V.A. Properties of the mismatch functions of phase-shift keyed signals with a step-parabolic phase variation 4—53379
Lezo, J.Suarez de *see* Suarez de Lezo, J.
Lferde, M., Lferde, Z., Monnin, M., Chalot, J.F., Altamirano, J., Segovia, N. Neutron radiography with track detectors 4—55940
Lferde, M. *see* Smogyi, G. 4—55869
Lferde, Z. *see* Lferde, M. 4—55940
L'Haridon, H. *see* Favennec, P.N. 4—30513
l'Haridon, H. *see* Gouskov, L. 4—36319
Lhermitte, C. *see* Fleury, G. 4—46827
L'Hoir, A. Study of the asymmetrical response of silicon surface barrier detectors to MeV light ions. Application to the precise analysis of light ions energy spectra. I. Helium ions 4—56017
Lhotak, Z. *see* Blecha, Z. 4—30545
Li, C.E., Rao, K.R. Composite-component transformation and predictive coding of the component color TV signal 4—53385
Li, C.-Y. *see* Hannula, S.-P. 4—58665
Li, D. Viterbi decoding for homogeneous random time-varying channel 4—31885
Li, D. *see* Strnat, K.J. 4—30958
Li, E.W.P. *see* Shuter, W.L.H. 4—37738
Li, F.K. A method for detection of deformations in large phased array antennas for spaceborne synthetic aperture radars 4—47696
Li, H. *see* Beacken, M. 4—51311
Li, H. *see* Feridun, A.M. 4—38023
Li, H.F. *see* Chan, F.H.Y. 4—56102
Li, J.-S., Xu, B.-Z. Maximum random number multiaccess—a new network protocol 4—38441
Li, J.T., Cheng, C.K., Turner, M., Kuh, E.S., Marek-Sadowska, M. Automatic layout of gate arrays 4—58292
Li, J.-T. *see* Marek-Sadowska, M. 4—36773
Li, K., Rezek, E., Law, H.D. Picosecond optoelectronic switching in LPE grown semi-insulating InP:Co 4—59329
Li, K. *see* Bonapace, C.R. 4—41895
Li, L. *see* Musser, J.M. 4—32364
Li, M.G. *see* Vaucher, A.M. 4—58496
Li, M.X. *see* Zhang, H.L. 4—52369
Li, P.C. *see* Gallagher, J.P. 4—30530
Li, P.C.S., Lam, H.K. Real time data acquisition systems for very short range weather forecasting 4—55295
Li, P.G., Adams, A.T., Leviatan, Y., Perini, J. Multiple-post inductive obstacles in rectangular waveguide 4—42901
Li, P.W., Chin, M., Gray, P.R., Castello, R. A ratio-independent algorithmic A/D conversion technique 4—51339
Li, P.W. *see* Lee, C.C. 4—51547
Li, S. *see* Logie, S. 4—35823
Li, S.S. *see* Teng, K.W. 4—47006
Li, S.T., Logan, J.C., Rockway, J.W., Schukantz, J.H., Tam, D.W.S., Martin, L.C., Bogdan, E.J. Shipboard antenna systems EMP design algorithm (EMPAL) 4—37631
Li, V.O.K. *see* Lam, Y.F. 4—29310
Li, V.W.T. *see* Yao, S.J. 4—49130
Li, Z. *see* Zhang, Q. 4—37855
Li Baozeng *see* Jiao Zhengkuan 4—42306
Li Boyang Electrostriction in electrochemical etching (ECE) and its effect on the formation of tree tracks in foil CR39 4—55876
Li Bozang *see* Chen Duxing 4—33436
Li Chen *see* Chen Li
Li Cheng-ming *see* Kang Hui 4—53793
Li Chongfu *see* Deng He 4—59576
Li Chunfei *see* Zou Lixun 4—59594
Li Chunjin *see* Zhao Jianrong 4—31303, 4—47492, 4—59414
Li De-lin, Lin Mei-yong, Zhang Gui-lan, Xu Wen-yuan Measurements of electron drift mobility in GD a-Si:H 4—41845
Li Feng-yin, Cao Ti-lun A new semiconductor switching device with bidirectional negative resistance characteristic 4—58906
Li Fengying *see* Tang Xingli 4—59458
Li Fuming, Liu Yixian, Wu Changzheng, Chen Lingbing Analysis for the effects of sample length on the picosecond recovery time measurements 4—31474
Li Fuming *see* Chen Lingbing 4—59462
Li Gang, Guo Yili, Ding Haishu, Jin Fennian Parametric four-wave mixing process in first order Stokes scattering of SRS in H_2 4—59597
Li Guang-lin, Ren Wen-bin, Yen Bin-shan Analysis and calculation of the energy doubler used for travelling wave constant impedance accelerating structure 4—33578
Li Han-fei *see* Cui Ding-xin 4—47551
Li Hong-fu, Du Pin-zhong Approaches to enhancing electronic efficiency and output power of gyromonotron oscillator 4—41754
Li Huidong *see* Yan Luguang 4—42308, 4—47228
Li Jian-Shan *see* Sun Hong-Sheng 4—48661
Li Jiazhang *see* Ment Xiaofan 4—37057
Li Jiazhi, Zhang Yinghua, Wang Jianguo, Shi Qinglin Study of graded-index multimode optical fibers in the system P_2O_5-SiO_2 4—37149
Li Jin, Jiang Chun-hua A new cylindrical light guide 4—31144
Li Jingwen, Ye Zongyuan, Rong Chaofan, Hao Xiuhong, Sun Hongzhao A gamma source facility with strong intensity and high monochromaticity 4—33616
Li Jingxian *see* Chen Wenzhou 4—53050
Li Jingyi *see* Ying Zhuqing 4—55636
Li Jun, Ling Wen-yu Digital convolution by compound algorithm of FNT-WFTA 4—48495
Li Kang, Wang Yu-ming A study of the distribution of thermal stress in head-end gland part of H.P. Rotor of the Chinese made 300 MW reheat turbine 4—56830
Li Lili *see* Wang Linzhou 4—39408
Li Liquan *see* Chen Jianwen 4—31296
Li Ma *see* Ma Li
Li Ming-Xuan *see* Ying Chong-Fu 4—47147
Li Nengjing Formulas for measuring radar ECCM capability 4—44151
Li Peizhen Scan radiometer operation controlled by single board microcomputer 4—61389
Li Qingguo Laser thin film for frequency doubling—high transmissivity at 1.06 μm and high reflectivity at 0.53 μm 4—31471
Li Qinguol Laser thin films for frequency doubling—two-wavelength antireflection coating at 1.06 μm and 0.53 μm 4—53035
Li Qingxiu, Yi Boten, Wan Naibin Laser welding of titanium 4—31537
Li Qinxue *see* An Peijian 4—47520
Li Qiwang *see* Kong Meiying 4—46217
Li Qu *see* Xu Jingyu 4—31125
Li Qu-hu Precise bearing method of digital split-beam array system 4—60919
Li San-qi *see* San-qi Li
Li Shanlin *see* Li Shishu 4—42307
Li Shaoji *see* Li Yu 4—61530
Li Shenghua, Gu Zhengtai, Fang Shujin Room temperature operation of a high efficiency pulsed LiF color center (F_2^-) laser 4—37341
Li Shenhua, Jiang Xiuming, Huang Muzheng, Fan Fuchang, Chen Yijing Study on relationship between density of F_2-centers in LiF crystals and their laser stability 4—52935
Li Shi *see* Sun Ke 4—52444
Li Shiming *see* Wu Weimin 4—47631
Li Shishu, Li Shanlin, Wang Guirong Diamagnetic effect in Nb_3Sn tape-wound superconducting magnet 4—42307
Li Shou-song *see* Li Sze-yuan 4—51882
Li Shouchun *see* Mo Peigen 4—29455
Li Shuang-xi *see* Ding Mo-yuan 4—58890
Li Shunyi Laser dyes in the blue-green spectral band—coumarin derivatives 4—37336
Li Sze-yuan, Li Shou-song, Wang Yu-zhen, Chang Tong-jun The electrical effects of gold at the silicon nitride-silicon interface 4—51882
Li Tao *see* Tao Li
Li Tianchu Lamb's theory of traveling-wave Gaussian beams and output expressions of ring lasers considering the radial distribution 4—31407
Li Wan *see* Wang Dao 4—59407
Li Wang, Hovanesian, J.D., Hung, Y.Y. A new fringe carrier method for the determination of displacement derivatives in hologram interferometry 4—42729
Li Weijun *see* Liu Bekuan 4—31534
Li Wenlai, Xu Yougang A CW DCN waveguide laser 4—59400
Li Xi-wu, Cui Xian-Zhong Application of the self-tuning predictor for power system load forecasting 4—56439
Li Xiao-Shen *see* Xiao-Shen Li
Li Xiaoping *see* Yu Wenyan 4—47440
Li Xinhua *see* Sha Guohe 4—37316
Li Xishan, Xia Qingsheng, Jiang Anmin Holographic interference measurement of refractive index distribution in diffusion transparencies 4—53096
Li Xiting *see* Gonord, P. 4—52515
Li Xiufang *see* Xu Zuyan 4—31340
Li Xiuying *see* Jiao Zhengkuan 4—42306
Li Xiuying *see* Li Yuezhen 4—37077
Li Xuchang *see* Zhao Jianrong 4—31303, 4—59414
Li Xuetian *see* Xuetian Li
Li Yanfei *see* Bao Borong 4—39397
Li Yannan *see* Liu Jinshou 4—59415
Li Yaqi *see* Tian Junliang 4—39098
Li Yong-fu, Zhao Fu-qin Optimal and quasi-optimal amplitude comparison methods for radar's angle measurement 4—54846
Li Yongchun, Gu Shengru, Lu Guoxian, Qian Lingxing, Zhao Longxin, He Huijuan Single pulse selector for high repetition rate mode-locked lasers 4—47491
Li Yongchun *see* He Huijuan 4—31352, 4—59481
Li Yongkang *see* Yu Kun 4—37078

Li Yu, Li Shaoji, Zhu Hang New method for laser measurement of straightness of large sized objects 4—61530
Li Yu-Zhi *see* Zhang Yu-Heng 4—31062
Li Yuezhen, Cheng Benpei, Li Xiuying Protection of superconducting magnets operating in persistent current mode 4—37077
Li Yuezhen *see* Jiao Zhengkuan 4—42306
Li Yushan, Lin Shongqiang, Jin Feng, Wang Yongxing Bistability of optical guided-wave beam deflector 4—59265
Li Yushan, Liu Hongju, Ren Bingfu, Yu Rongjin Ti-diffused $LiNbO_3$ optical waveguides with low loss 4—37151
Li Yuzhi *see* Zhang Yuheng 4—47562
Li Zhaoyin *see* Wang Shouwu 4—37390
Li Zhen-huai *see* Sung Wen-miao 4—51708
Li Zhenghua *see* Zhou Yan 4—37342
Li Zhi-jian *see* Wang Ren-li 4—41180
Li Zhongya *see* Chen Zexing 4—31452
Li Zi-ching Robust-M detection 4—43295
Li-Ren Ding *see* Ding Li-Ren
Li-tong Tan *see* Tan Li-tong
Li-wei Shao *see* Shao Li-wei
Li-wei Zhou *see* Zhou Li-wei
Li-zi Xu *see* Xu Li-zi
Lian Meihua *see* Wang Jitao 4—30683
Liander, W. Asynchronous motors: cheap, robust and simple to control 4—34653
Lianfang Xiao *see* Xiao Lianfang
Liang, J.C.H. *see* Hubbard, R.L. 4—48975
Liang, K.S. *see* Abeles, B. 4—58048
Liang, M.-S., Chang, C., Yang, W., Hu, C., Brodersen, R.W. Hot carriers induced degradation in thin gate oxide MOSFETs 4—36626
Liang, M.-S. *see* Chang, C. 4—36861
Liang, Z., Ebrahim, N.A., Hirshfield, J.L. Bernstein mode quasi-optical gyroklystron 4—58689
Liang Chang-hong A thinning technique for moment-method solution [capacitor charge] 4—41615
Liang Chang-hong Directivity optimization for Yagi-Uda arrays of shaped dipoles 4—42965
Liang Chun-yu The dissemination mechanism of circle-angular displacement and its errors researching 4—55670
Liang Guiyun *see* Xu Bingde 4—47432
Liang Guo *see* Guo Liang
Liang Jiben *see* Kong Meiying 4—46217
Liang Jiu-chun *see* Sun Yu-ping 4—37056
Liang Jiuchun *see* Sun Yuping 4—47212
Liang Jun-hou *see* Sun Yu-ping 4—37056
Liang Junhou *see* Sun Yuping 4—47212
Liang Ma Ji *see* Ma Ji Liang
Liang Peihui, Ye Chao Composite optical multichannel analyzer for laser parameter measurement 4—59569
Liang Peihui, Ye Chao, Meng Shaoxian, Zhang Weiqing, Kang Yuying A simple and practical set-up for measuring the duration of single ultrashort pulses 4—31450
Liang Peihui *see* Deng Ximing 4—31535
Liang Peihui *see* Peihui Liang
Liang Xiao-Zhong, Cao Jing-Xi A fast high resolution ADC based on the flash type with a special error correcting technique 4—29944
Liang Yin-Zhong *see* Yin-Zhong Liang
Liang Yunmin, Zhao Hengyang Two methods for measuring shock relations with improved EMV gauge 4—61602
Liang Yusheng *see* Wang Gongqing 4—49065
Liang-sheng Zhang *see* Zhang Liang-sheng
Liangxian Gong *see* Gong Liangxian
Lianza, T.A. *see* Korte, R.M. 4—55268
Liao, A.S.H., Bridges, T.J., Burkhardt, E.G., Tell, B., Leheny, R.F., Beebe, E.D. A planar embedded InGaAs photodiode on semi-insulating InP substrate for monolithically integrated pin-FET receivers, using selective vapor phase epitaxy and ion implantation technique 4—37228
Liao, A.S.H. *see* Cheng, C.L. 4—36641, 4—42062, 4—47031
Liao, G.Y. *see* Nodes, T.A. 4—53933
Liao, H.H. *see* Haas, W.H. 4—53788
Liao, P.F., Glass, A.M., Johnson, A.M., Olson, D.H., Humphrey, L.M., Stern, M.B. Enhancement of optical detector response via microstructured electrodes 4—58817
Liao, P.F. *see* Stern, M.B. 4—51898, 4—58825
Liao, Y.Z. *see* Nicholl, T.M. 4—30667
Liao, Y.Z. *see* Schlag, M. 4—36767
Liao Shiqiang, Bian Shuheng, Zhao Jiaming, Wang Yuzhu Heterodyne bias frequency-locking of tunable lasers 4—53048
Liao Shiqiang *see* Tu Shigu 4—31295
Lias, N.C. *see* Balascio, J.F. 4—30851
Liau, Z.L., Walpole, J.N., Tsang, D.Z. Low threshold GaInAsP/InP buried-heterostructure lasers with a chemically etched and mass-transported mirror 4—42612
Liau, Z.L., Walpole, J.N., Tsang, D.Z. Fabrication, characterization, and analysis of mass-transported GaInAsP/InP buried-heterostructure lasers 4—59531
Liau, Z.L. *see* Tsang, D.Z. 4—52950, 4—52962
Liauw, K.L. *see* Ting, C.H. 4—58830
Liaw, H.M. Interface shape and radial distribution of impurities in ⟨111⟩ silicon crystals 4—58010
Liaw, H.M., Rose, J., Fejes, P.L. Epitaxial silicon for bipolar integrated circuits 4—46917
Liberatore, M. *see* Gallesio, A. 4—30600
Liberis, Yu. *see* Bareikis, V. 4—46858
Liberman, M.Y. *see* Anderson, M.D. 4—53502
Libert, G. An automatic procedure for Box-Jenkins model building 4—50626
Liberto, S.Di *see* Di Liberto, S.
Liberzon, E.M. Earth fault protection of 110-220 kV transmission lines 4—39941
Liblong, B., Melham, T., Birtwistle, G., Kendall, J. Towards a VLSI design tool system 4—52243
Librovich, V.B. *see* Dudkin, V.A. 4—37308
Librovskii, V.B. *see* Karasev, V.B. 4—40026
Liburdi, J., Wilson, J. Extending the limits of turbine blade renovation 4—50436
Licari, J.P. *see* Hill, M.K. 4—52457
Licci, F., Rinaldi, S. Recent advances in hexaferrite films 4—30980
Lichtenberg, L.R. An experimental approach to vapor phase reflow solder assembly [of hybrids] 4—30231
Lichtenstein, T.L. *see* Tuttle Hart, T. 4—37192
Lichti, G.G. *see* Schonfelder, V. 4—33779
Licina, G.J., Springer, D.R., Roy, P. Steam generator leak detection in liquid-metal fast breeder reactors by chemical methods 4—34418
Lickly, T.D. *see* Blanchard, F.A. 4—33774
Lidak, V.Yu., Podunaev, G.A., Kozhevnikov, V.V., Shnaider, F.F., Krylov, A.A. Automated system for testing and diagnostics of logic units in the production stage 4—46407
Lidd, M.L. *see* Kang, G.S. 4—53533
Lide Wan *see* Wan Lide
Lidgate, D., Khalid, B.M.N. Unit commitment in a thermal generation system with multiple pumped-storage power stations 4—45361
Lidgate, D. *see* Psomadellis, F. 4—34191, 4—45567
Lidin, R. *see* Lacoume, J.L. 4—37999
Lidl, R., Muller, W.B. Permutation polynomials in RSA-cryptosystems 4—53442
Lidorenko, N.S., Ryabikov, S.V., Daletskii, G.S., Kuznetsov, V.M., Koltun, M.M., Smirnov, V.B. Measurement of illuminance in the cloud layer of Venus using compact solar batteries 4—55714
Lidorenko, N.S. *see* Astakhov, Yu.N. 4—44964
Lie, S.P. *see* Reiber, J.H.C. 4—39548
Lie Zhao *see* Zhao Lie
Lie-heng Wang *see* Wang Lie-heng
Lieb, D. *see* Goodale, D. 4—40494
Liebe, H.J. The atmospheric water vapor continuum below 300 GHz 4—37592
Lieber, C.M. *see* Rosenbluth, M.L. 4—58820
Lieber, H.-W. The control of electroplating processes 4—45791
Lieber, R.L. Evaluation of muscle contractility and histochemistry after upper motor neuron lesion 4—56079
Lieberherr, K.J. Multi-level simulation for VLSI 4—29589
Liebesman, B.S. *see* Brush, G.G. 4—46044
Liebhart, E. *see* Jellonek, K. 4—39515
Liebhart, E. *see* Waszkiewicz, L. 4—39570
Liebhart, J. *see* Jellonek, K. 4—39515
Liebhart, J. *see* Waszkiewicz, L. 4—39570
Liebman, J., Thomas, C.W., Rudy, Y., Diaz, P.J., Plonsey, R., Ko, W. Clinical data with a color display 180 electrode ECG-BSPM system 4—49204
Liebsch, W. *see* Bykow, W.L. 4—44035
Liechti, C.A. *see* Asbeck, P.M. 4—51386
Liechti, K.M., Theobald, P. The determination of fabrication stresses in microelectronic devices 4—57843
Lieder, R.M., Jager, H., Neskakis, A., Venkova, T., Michel, C. Design of a bismuth germanate anti-Compton spectrometer and its use in nuclear spectroscopy 4—39498
Liedl, G.L. *see* Staudenmann, J.-L. 4—56055, 4—56057
Liedtke, F.F. Computer simulation of an automatic classification procedure for digitally modulated communication signals with unknown parameters 4—60045
Liedtke, G.E., Kappei, F. The segmentation of pictures of urothel cells controlled by 'a priori' knowledge 4—32063
Liedtke, K.D. *see* Schulke, W. 4—55840
Liefer, R.K. *see* Vergez, P.L. 4—49362
Liegeois, C. *see* Meyrueis, P. 4—59647
Liegois, M. *see* le Sergent, C. 4—37157
Liehr, M., Delrue, J.P., Caudano, R., Herbots, N., Vanden Berghe, R.A.L., Vlaeminck, R., Loos, H. Comparative study of Nb and TiW barrier layers between Au and a-SiO_2 4—46972
Liekens, A. Cellular radio systems for rural radio telecommunications 4—60397
Lien, C.-D., Nicolet, M.-A., Lau, S.S. Kinetics of $CoSi_2$ from evaporated silicon 4—52029
Lien, J. *see* Rinerson, D. 4—58342
Lien, Y.E. *see* Chu, K.-C. 4—36896
Lien-yueh Tu *see* Tu Lien-yueh
Lienard, J.-S., Soong, F.K. On the use of transient information in speech recognition 4—60073
Lienau, W. The two-stage, two-quadrant controller—a PWM rectifier 4—57212
Lier, E. Eigenvalues of TE_{11}- and TM_{11}-modes in conical horn antennas 4—37734
Lierke, E.G., Grossbach, R., Flogel, K., Clancy, P. Acoustic positioning for space processing of materials science samples in mirror furnaces 4—56375
Liese, M., Kulig, T.S., Lambrecht, D. Superconducting generator modeling by iterative T-network equivalent circuits for investigation of transient performance 4—56931
Liese, M., Lenz, K., Senske, K., Spiegl, J. Comparison of vector potential and extended scalar potential methods and true three-dimensional magnetostatic field calculation 4—56930
Liese, M. *see* Kulig, T.S. 4—56932
Liesenkotter, B. TV reception from satellites 4—60997
Liesenkotter, B. *see* Thurl, W. 4—54708
Liess, W. EMC—a measure of quality. I 4—42885
Liess, W. Quality parameters in EMC. II 4—47633
Lietzke, A.F., Ehlers, K.W., Leung, K.N. The status of ≳1 ampere H^- ion source development at the Lawrence Berkeley Laboratory 4—61642
Lietzke, A.F. *see* Matuk, C.A. 4—61667
Liezhao Cao *see* Cao Liezhao
Lifei Chen *see* Chen Lifei
Lifeng Ge *see* Ge Lifeng
Liff, H., Brauner, R., Esrig, P., Fee, J. Automatic inspection for in-aligner reticle qualification 4—36683
Lifits, S.A. *see* Dronnik, L.M. 4—59712
Lifor', N.K. *see* Kerzhentsev, Yu.A. 4—32480
Lifshits, T.M. *see* Ivanov, V.Yu. 4—30341
Ligam, A.Avanashi *see* Avanashi Ligam, A.
Light, A. *see* Garrett, J.F. 4—37633
Light, R.W., Bell, H.B. Patterning of tantalum polycide films 4—30572
Lightbody, D.M.S. Advanced gas turbines in the industrial scene 4—34449
Ligler, G.T., Winward, D.J. Display technology for industrial process control—current status and future trends 4—55612
Ligmanowski, M. Problems of optimal encoding the states in synchronous digital automates 4—43124
Ligocki, J.E. *see* Coufal, H. 4—31541
Ligon, G. *see* Abramson, P. 4—56683
Ligtenberg, L. *see* Post, K.A. 4—47713
Ligthart, L.P. Spherical propagation models for multipath-propagation predictions 4—31668
Liguori, C. *see* Bellotti, E. 4—33635
Liguori, F. *see* Lettieri, A. 4—46119
Lihach, N. 220-MW compressed air storage 4—34958
Lihach, N. More power from hydro 4—40147
Lihach, N. Pacing plant motors for energy savings 4—40239
Likhachev, A.I., Likhachev, M.A. Correlation relations between cyclical increments to the critical frequencies of the F_2 layer 4—59744
Likhachev, M.A. *see* Likhachev, A.I. 4—59744
Likhanskii, V.V. *see* Bobrovskii, A.N. 4—42558
Likholetov, A.N. *see* Kistova, E.M. 4—41050
Likholetov, Yu.V. *see* Vendik, O.G. 4—55433
Likhov, S.P. Analysis of network voltage fluctuation 4—56543
Lile, D.L. Layer generation for devices and integrated circuits 4—42076
Lile, D.L., Collins, D.A. An 800-MHz insulated gate buried-channel CCD on InP 4—58930
Lile, D.L., Taylor, M.J., Messick, L.J., Zeisse, C.R., Collins, D.A. Radiation tolerance of NMOS technology on indium phosphide 4—30769
Lile, D.L. *see* Messick, L. 4—35763
Lileck, J.T. *see* Woytek, A.J. 4—36486
Lilenfeld, H.V. *see* Wiswall, C.E. 4—52870
Lilenko, Yu.V. *see* Voitsekhovskii, A.V. 4—30340, 4—58728
Liles, B. *see* Schaff, W.J. 4—52095, 4—58545
Lili Li *see* Li Lili
Lilienstein, F.M. CAD programs for inductor, reactor, transformer design 4—46643
Lilley, P. *see* Umar-Syed, M. 4—29490
Lilley, P.D Prospects for private CHP in the UK 4—34074
Lillie, R.A. *see* Gabriel, T.A. 4—39433
Lilly, C.J., Walker, S.D. The design and performance of digital optical fibre systems 4—38642
Lilly, R.P. *see* Bohlander, R.A. 4—37593
Lilov, A.Z. *see* Stavrev, G.A. 4—33104
Lim, C.K. *see* Engel, P.A. 4—58630
Lim, H.-K., Fossum, J.G. Current-voltage characteristics of thin-film SOI MOSFETs in strong inversion 4—36586
Lim, H.S., Verzwyvelt, S.A., Blaser, C., Keener, K.M. Long life nickel electrodes for a nickel-hydrogen cell. I. Initial performance 4—40409
Lim, J., Kalanj, G.N., Cumming, I.G. A programmable signal processing element designed for an efficient data-driven signal processing architecture 4—54873
Lim, J.S. *see* Curtis, S.R. 4—53925
Lim, J.S. *see* Dowla, F.U. 4—53693
Lim, J.S. *see* Griffin, D.W. 4—43266, 4—53498
Lim, J.S. *see* Harrison, W.A. 4—59979

Lim, J.S. *see* Izraelevitz, D. 4—37972
Lim, J.S. *see* Richard, M.D. 4—60239
Lim, K.S., Konagai, M., Takahashi, K. A novel structure, high conversion efficiency *p*-SiC/graded *p*-SiC/*i*-Si/*n*-Si/metal substrate-type amorphous silicon solar cell 4—57352
Lim, T.L. *see* Lawrence, V.B. 4—43012
Lim, Y.C., Parker, S.R. On the synthesis of lattice parameter digital filters 4—51436
Lim, Y.C. *see* Hui, S.K. 4—53699
Lim Han Jo *see* Han Jo Lim
Lim Young Suk *see* Young Suk Lim
Lima, E.P.de *see* de Lima, E.P.
Liman, P. *see* Keprt, J. 4—61533
Limanov, A.B. *see* Givargizov, E.I. 4—29486
Limarev, A.K. *see* Rubinson, Ya.G. 4—40084
Limaye, D.R. *see* Davis, T.D. 4—34030
Limb, J.O. Performance of local area networks at high speed 4—60519
Limb, J.O. *see* Mark, J.W. 4—38155
Limbach, F., Pahlig, K. Hardware and software structures for System 4000 navigation aids 4—38703
Limburger, F. *see* Muhlenbein, H. 4—48281
Limelette, J.-L. *see* Broche, C. 4—34781
Lin, A.T. Nonlinear efficiency of magnetized free electron lasers and auto resonance cyclotron masers 4—52833
Lin, A.T., Chang, W.W. Nonlinear efficiency and bandwidth of a slow wave cyclotron amplifier 4—55795
Lin, A.T., Chang, W.W., Lin, C.-C. Thermal effects on the efficiency of Doppler-shift dominated cyclotron masers 4—42494
Lin, B.J. Direct-viewing alignment scheme for projection lithography 4—30486
Lin, B.J. *see* Chao, V.W. 4—51947
Lin, B.J. *see* Paalanen, M.A. 4—51835
Lin, C. *see* Tsou, S. 4—36337
Lin, C.-C. *see* Lin, A.T. 4—42494
Lin, C.E., Viviani, G.L. Hierarchical economic dispatch for piecewise quadratic cost functions 4—56449
Lin, C.-H., Senturia, S.D. The aging of hydrated aluminum oxide thin films 4—48829
Lin, D.G. *see* Lagowski, J. 4—46808
Lin, D.J. *see* Bose, B. 4—58262
Lin, D.W. *see* Gritton, C.W.K. 4—42881
Lin, E. Telidon, the making of a new medium 4—32325
Lin, F. *see* Rossi, E.M. 4—31015
Lin, F.-C. *see* Kretschmer, F.F., Jr. 4—54857
Lin, F.-Y. *see* Parker, D.L. 4—59009
Lin, G.-N. *see* Chua, L.O. 4—29614
Lin, G.W., Lee, T.T., Hwang, K.-K. Ocean thermal energy conversion (OTEC) technology development program in Taiwan, Republic of China 4—62473
Lin, H.C. *see* Kim, J.S. 4—52145
Lin, H.C. *see* Mack, I.A. 4—36615
Lin, J., O'Toole, M.M. Plasma etch in via and tri-layer resist 4—30723
Lin, J.C., Chan, K.H. Microwave thermoelastic tissue imaging—system design 4—49182
Lin, J.C., Tsai, W.-H., Lee, J.-S., Chen, C.-H. A vision system with automatic learning capability for industrial parts inspection 4—47921
Lin, J.C. *see* Hubbard, F.R. 4—62305
Lin, K.C. Amorphous metal stacked cores 4—36095
Lin, L. *see* Ware, F. 4—51268
Lin, L. *see* Woo, B. 4—60069
Lin, M.R. *see* Wang, Y.Y. 4—45602
Lin, M.S., Hsieh, B.C., Peng, C.H., Lou, J.C. Radiation annealing of silicon-implanted GaAs with a CW Xe arc lamp 4—36422
Lin, P.-J.P., Mintzer, R.A. Comparison of imaging characteristic of digital subtraction angiography utilizing geometrical magnification and electro-optical magnification 4—49148
Lin, P.M., Nordsieck, A.W., Hsieh, H.Y. A convergence rate investigation of a multilevel Newton algorithm for large circuit analysis 4—35587
Lin, R.P. *see* Roth, J. 4—39442
Lin, R.Y. *see* Gustafson, J.C. 4—41632
Lin, S., Costello, D., Miller, W., Morakis, J. Self-synchronizing outer codes for the TDRSS decoder 4—31889
Lin, S. *see* Kasami, T. 4—43183, 4—48554
Lin, T. *see* Chen, K.W. 4—37558
Lin, T. *see* Rinerson, D. 4—58342
Lin, T.C., Grabowsky, W.R., Yelmgren, K.E. The search for optimum configurations for re-entry vehicles 4—44799
Lin, W.C., Luo, T.-T. A data acquisition system with wide dynamic range and weak signal enhancement properties 4—39094
Lin, Y.-C., Marriott, V., Orvek, K., Fuller, G. Some aspects of antireflective coating for optical lithography 4—58831
Lin, Y.-C. *see* Marriott, V. 4—58948
Lin, Y.F. *see* Laidig, W.D. 4—31368, 4—50757
Lin, Y.-K.J. *see* Pandya, N. 4—53846
Lin, Z.-B. Wideband ambiguity function of harmonic FM sonar signals 4—37831
Lin, Z.-B. A method for computation of wideband ambiguity function and the numerical analysis of the bat's sonar signal 4—60929
Lin Cheng-Huei *see* Cheng-Huei Lin
Lin Chengtian *see* Zhang Lehui 4—59480
Lin Chin-Min *see* Chin-Min Lin
Lin Chinlon *see* Chinlon Lin
Lin Chuang *see* Zhang Yaolin 4—54335
Lin Da, Wu Songyin A flow resistance device of the partial vacuum electron beam welder 4—62847
Lin Daimao, Mao Yuhai A fast algorithm of maximum entropy method for spectral estimation suitable for short data sequence 4—31984
Lin Dao-fa *see* Yang Jia-yuan 4—57993
Lin Ke-xiang Power spectrum analysis of PN code digitally modulated waves 4—47737
Lin Lanying *see* Qin Fuguang 4—46216
Lin Liu *see* Liu Lin
Lin Mei-yong *see* Li De-lin 4—41845
Lin Pinxiang *see* Ni Zhaojing 4—54734
Lin Ruiqin *see* Shi Xizhi 4—47819
Lin Shongqiang *see* Li Yushan 4—59265
Lin Shu *see* Shu Lin
Lin Shuyuan *see* Zhang Dianlin 4—48987
Lin Tzu-Mu *see* Tzu-Mu Lin
Lin Weigan Power carrying capacity reduction in straight regular waveguide containing foreign conducting bodies 4—31735
Lin Wenqing *see* Chen Wenzhou 4—53050
Lin Xi *see* Ye Peixuan 4—37465
Lin Xi *see* Zhang Lehui 4—59480
Lin Xiangdong An improvement of critical path method 4—51096
Lin Yi *see* Xu Shenchu 4—59641
Lin Yi-Ching *see* Yi-Ching Lin
Lin Yikun *see* Gong Di 4—37290
Lin Yinyi *see* Zhuang Dounan 4—47406
Lin Yubao, Zhao Hengli, Chen Yuelian The optimum seeking method for designing a highly homogeneous superconducting magnet 4—47227
Lin Zhang-da *see* Zhang-da Lin
Lin-shan Lee *see* Hen-wai Tsao 4—48406
Linacero, G. *see* Hernandez, C. 4—49239
Linchenko, V.A. *see* Pentegov, I.V. 4—35069
Lincoln, C.P. Design of a 3-micron CMOS cell library 4—52279
Lincoln, G.A. *see* Pang, S.W. 4—58905
Lincoln, G.A. *see* Vojak, B.A. 4—52072
Lincoln, M.C. *see* Taylor, D.J. 4—45568
Lincot, D. *see* Vedel, J. 4—40449
Lind, F.G., Truve, A.B., Lindborg, P.O. Microcomputer-assisted on-line measurement of breathing pattern and occlusion pressure 4—49120
Lind, L.F. Realisable filters with minimal intersymbol interference 4—41446
Lind, L.F. Simple computation of elliptic function filters 4—51398
Lind, L.F. *see* de Albuquerque, A.A. 4—43175
Lind, L.F. *see* Huber, K. 4—60545
Lindau, I. *see* Babalola, I.A. 4—51876
Lindau, I. *see* Bachrach, R.Z. 4—56044
Lindau, I. *see* Kendelewicz, T. 4—41887
Lindau, I. *see* Tatchyn, R. 4—36378, 4—55802, 4—56043
Lindau, I. *see* Williams, M.D. 4—58799
Lindberg, J.D., Lentz, W.J., Measure, E.M., Rubio, R. Lidar determinations of extinction in stratus clouds 4—56285
Lindberg, V. *see* Hirsh, M.N. 4—52328
Lindborg, P.O. *see* Lind, F.G. 4—49120
Linde, H., Murphy, E., Poley, D. Novel solvent system for the removal of hardened photoresists 4—51952
Linde, Ya.Ya. *see* Drozdov, A.P. 4—32460
Lindell, G., Sundberg, C.-E. Multilevel continuous phase modulation with high rate convolutional codes 4—31888
Lindell, G., Sundberg, C.-E. Multilevel CPFSK with high rate convolutional codes 4—43173
Lindell, G., Sundberg, C.-E., Aulin, T. Minimum Euclidean distance for combinations of short rate 1/2 convolutional codes and CPFSK modulation 4—47748
Lindell, G., Sundberg, C.-E., Svensson, A. Error probability of multilevel CPM with high rate convolutional codes 4—43195
Lindell, I. *see* Alanen, E. 4—39886
Lindell, I.V., Alanen, E. Exact image theory for the Sommerfeld half-space problem. I. Vertical magnetic dipole 4—31737
Lindelof, P.E. *see* Kai Hansen, F. 4—59162
Lindemann, B., Radmanesh, R. Distributed data processing system for experimental research 4—43792
Lindemann, G. *see* Gornik, E. 4—37351
Lindemann, G. *see* Lischka, K. 4—41854
Lindemann, G. *see* Seidenbusch, W. 4—51849
Linden, D. The next decade—lithium batteries 4—34845
Linden, D. *(editor)* Handbook of batteries and fuel cells 4—35122
Linden, H.A.van der *see* van der Linden, H.A.
Linden, I. *see* Pohlman, J. 4—39239
Linden, K.J. Tunable diode lasers for 3-30 μm infrared operation 4—59500
Lindenauer, J.P. *see* Brady, T.E. 4—35326
Lindenlaub, J.C. *see* Garrod, S.A.R. 4—35209
Lindenlaub, J.C. *see* Seigel, L.J. 4—35210
Lindenman, G.A. FLTSATCOM—a power subsystem in evolution 4—39667
Lindenmeier, H., Hopf, J. Investigations for determining the minimum signal level necessary for VHF broadcast reception in motor vehicles 4—42861
Lindenmeier, H., Reiter, L. Possibilities and limits of VHF-reception using antenna diversity on motor vehicles 4—42862
Lindenmeyer, C. *see* Coteus, P. 4—55824
Lindenmuth, R. Beyond PABXs (and other telecommunications trends of the '80s) 4—32404
Linder, A. *see* Hoeft, L.O. 4—59793
Linder, C. Planning the hydraulic engineering works for thermal power plants 4—49719
Linder, G., Selin, L.-A. ISDN business networks 4—43557
Linder, J. A rapidly converging algorithm for adaptive channel equalization 4—43063
Linder, K. *see* Zucker, O. 4—42821
Linder, M., Trigg, M. Designing a data-acquisition and display system 4—44458
Linder, P., Norwood, R., Ngai Hung Hong Designers weigh options for 256K dynamic-RAM processes 4—51194
Linderholm, S. Capacitance graded bushings with oil impregnated paper insulation 4—45135
Linderman, R.W., Ku, W.H. A three dimensional systolic array architecture for fast matrix multiplication 4—60114
Linderman, R.W., Reusens, P.P., Chau, P.M., Ku, W.H. Digital signal processing capabilities of CUSP, a high performance bit-serial VLSI processor 4—60065
Lindermann, H. *see* Schuster, H.J. 4—43817
Lindgren, A.G., Irza, J. Trajectory estimation with uncertain and nonassociated data 4—44156
Lindgren, A.G. *see* Hammel, S.E. 4—60934
Lindgren, J.H. *see* Myers, B.L. 4—29344
Lindgren, L.J., Sandell, A. An investigation of two position-sensitive PPACs 4—33661
Lindholm, D. *see* Coleman, C. 4—42275
Lindholm, D.A. Automatic triangular mesh generation on surfaces of polyhedra 4—29430
Lindholm, F.A. Uncertainties about the physical electronics of n^+ and p^+ silicon, with applications for solar cells 4—50083
Lindholm, F.A. *see* Jung, T. 4—45634
Lindhout, P. *see* Felici, F. 4—44807
Lindl, B., Ho, H., Wurm, J.P. An energy resolving scintillator telescope for multiparticle detection of light charged particles 4—61689
Lindley, D. Wind energy—status of the technology 4—34540
Lindley, W.T. *see* Downey, P.M. 4—33300
Lindner, E. *see* Engl, H.W. 4—53157
Lindner, G., Lubke, K., Thim, H. GaAs IC for optical signal transfer 4—60847
Lindner, J. A mini-power station. Mains supply and charger as one equipment [NiCd accumulators] 4—35625
Lindner, R. *see* Encarnacao, J.L. 4—51363
Lindner, U. Text input for speech synthesis 4—43271
Lindquist, C.S., Haas, W.H. Transitional least-squares synchronously-tuned lowpass filters 4—41448
Lindquist, C.S., Yablonski, R.E. Design of active-R ladder filters using Norton amplifiers 4—35955
Lindquist, C.S. *see* Haas, W.H. 4—35975
Lindqvist, P.-A. *see* Pedersen, A. 4—44904
Lindsay, J.F. *see* Krishnan, R. 4—45676
Lindsay, P.A. Gyrotrons: giants at extra-high frequencies 4—46765
Lindsey, C. *see* Kapon, E. 4—52949
Lindsey, C. *see* Katz, J. 4—47447
Lindsey, E.B. How to build a quick and easy 432 MHz helix for OSCAR 10 [antennas] 4—59859
Lindsey, S. *see* Levensen, M.D. 4—46906
Lindsey, W.C. *see* Chit-Sang Tsang 4—53365
Lindsey, W.C. *see* Choi, H.J. 4—35682
Lindstrom, C.O. *see* Olsson, L. 4—60948
Lindstrom, K. *see* Bistrom, J.R. 4—34072
Lindstrom, O. Prospects for electric vehicles 4—45702
Lindstrom, O. What kind of battery for electric vehicles? 4—62685
Lindstrom, P., Wedin, P.-A. A new linesearch algorithm for nonlinear least squares problems 4—57945
Lindstrom, T.L. *see* Tewksbury, S.K. 4—52124, 4—52125
Line, J.S. *see* Chan, P. 4—60251
Lineback, J.R. Joint R&D is a way of life for US high-tech firms competing for brainpower 4—50469
Lineback, J.R. Inexpensive design system uses icons 4—51616
Lineback, R. US makers prepare to start shipping 256K dynamic RAMs 4—41340
Linebarger, D. *see* Johnson, D.H. 4—60049
Lines, M.E. Scattering losses in optic fiber materials. I. A new parametrization 4—42370
Lines, M.E. Scattering losses in optic fiber materials. II. Numerical estimates 4—42371
Linfa Jin *see* Jin Linfa
Linford, R.G. *see* Jelfs, A.M.P. 4—62680

Ling, C.C., Spiro, I.J., Kubiatowicz, D.O., Gergen, J., Peksens, R.K., Bennett, J.D., Gagnon, W.F. Measurement of dose distribution around Fletcher-Suit-Delcos colpostats using a Therados radiation field analyzer (RFA-3) 4—49330
Ling, F., Proakis, J.G. Performance of decision-feedback equalizers in time-variant multipath channels 4—43062
Ling, F., Proakis, J.G. A generalized multichannel least squares lattice algorithm based on sequential processing stages 4—43340
Ling, F., Proakis, J.G. Nonstationary learning characteristics of least squares adaptive estimation algorithms 4—53677
Ling, F., Proakis, J.G. Numerical accuracy and stability: two problems of adaptive estimation algorithms caused by round-off error 4—60083
Ling, H. *see* Ketchen, M.B. 4—42287
Ling, J., Albright, C.E. The influence of atmospheric contamination on copper to copper ultrasonic welding 4—58669
Ling, J.C. *see* Varnell, L.S. 4—33778
Ling, J.S. *see* Gahn, R.F. 4—40517
Ling, L.-B., Yin, R., Wang, X. Nonlinear filters for reducing spiky noise: 2-dimension [image processing] 4—60237
Ling, Y.-C. *see* Hu, Y.H. 4—53700
Ling De-Hong *see* Tao Shi-Quang 4—37473
Ling Hao *see* Hao Ling
Ling Wen-yu *see* Li Jun 4—48495
Ling Yiming, Zhang Xiaobing Direct modulation characteristics in Ar^+ lasers 4—31301
Ling Yingyi *see* Gong Desheng 4—31305
Ling Zhonggeng, Lu Peide Lifetime measurement in $Hg_{1-x}Cd_xTe$ by optical modulation of infrared absorption 4—46810
Lingaya, S. *see* Bohm, E. 4—50152
Lingbing Chen *see* Chen Lingbing
Linge, H., Zimmer, H.G., Neuhoff, V. The 3-dimensional transfer function for a scanning microphotometer 4—32067
Lingel, K., Mulera, T., Perez-Mendez, V., Del Guerra, A. Investigation of dead times and dead zones in wire chambers operated in the self-quenching streamer mode 4—33683
Lingfen Pan *see* Pan Lingfen
Linggard, R. Electronic synthesis of speech 4—29115
Linggard, R. *see* Boyd, I. 4—30019
Linghui Sheng *see* Sheng Linghui
Lingling Liu *see* Liu Lingling
Lingxing Qian *see* Qian Lingxing
Lingyu Xu *see* Xu Lingyu
Linh, N.T., Laviron, M., Delescluse, P., Tung, P.N., Delagebeaudeuf, D., Diamand, F., Chevrier, J. Low noise performance of two-dimensional electron gas FETs 4—58936
Linh, N.T. *see* Armand, M. 4—41600, 4—58544
Linh, N.T. *see* Mercy, J.M. 4—51843
Linhart, C. *see* Weckenmann, A. 4—55435
Linholm, L.W. *see* Suehle, J.S. 4—30687, 4—36832
Linington, P.F. Progress in open systems standardization 4—60492
Link, R., Nuding, W., Sauerwein, K. Television-fluoroscopy (radioscopy) as an automated technique in radiographic inspection 4—50844
Linke, R.A. Direct gigabit modulation of injection lasers—Structure-dependent speed limitations 4—31444
Linke, R.A. Transient chirping in single-frequency lasers: lightwave systems consequences 4—42685
Linke, R.A., Gnauck, A.H. High speed laser driving circuit and gigabit modulation of injection lasers 4—60831
Linke, R.A., Kasper, B.L., Campbell, J.C., Dentai, A.G., Kaminow, I.P. 120 km lightwave transmission experiment at 1 Gbit/s using a new long-wavelength avalanche photodetector 4—44088
Linke, R.A. *see* Liou, K.-Y. 4—53005
Linke, R.A. *see* Olsson, N.A. 4—37366
Linkenbach, H.A., Dietrich, R., Richter, D. Solution of measuring and inspection problems by gray-level image processing system implemented with video and X-ray equipment 4—44242
Linkens, D.A. *see* Levy, J. 4—39565
Linnell, C. Co-generate and cut fuel bills 4—40047
Linnemann, G. Solution of complex technical tasks with nonlinear field problems [SI units] 4—38994
Linnemann, G., Wagner, E. Consequences of the rapid development of science and technology for the training of engineers 4—45873
Linnenberg, G. *see* Fettweis, A. 4—29574
Linnerbrink, T.E. Effective bits: is that all there is? 4—44481
Linsdall, D.K. *see* Last, J.D. 4—60940
Linsley Hood, J. Audio design. II 4—38932
Linssen, A.J. *see* Welton, F.P.J.M. 4—58425
Linthe, H.-J., Lenners, D. Acquisition and primary processing of geomagnetic pulsations in the real-time operation by microcomputer 4—39689
Linton, J.A. *see* Tyraskis, P.A. 4—61888
Linxin Qian *see* Qian Linxin
Linxing Qian *see* Qian Linxing
Linz, D., Heberlein, T. Development of a personal obligation to shift electricity use: initial determinants and maintenance over time 4—45823
Linzhao Qian *see* Qian Linzhao
Linzhou Wang *see* Wang Linzhou
Lioa Chengxin *see* Huai Yiming 4—44649
Liolioussis, K.T. *see* Samarakou, M.T. 4—34929
Lior, N., Brish, R.T., Tedori, L., Koffs, S. Long-term stability and performance of solar system instrumentation 4—55291
Lior, N., Jones, G.F., Ozoe, H., Chao, P., Churchill, S.W. Heat transfer considerations in the use of new energy resources 4—50119
Liou, K.-Y., Granlund, S.W., Swan, C.B., Burrus, C.A., Linke, R.A., Kaminow, I.P., Besomi, P. Single-longitudinal-mode operation of GRIN rod external coupled-cavity semiconductor lasers 4—53005
Liou, K.-Y. *see* Dutta, N.K. 4—47477
Lioy, A., Mezzalama, M. A testability measure to improve algebraic test generation 4—42150
Lipa, B.J. *see* Barrick, D.E. 4—56322
Lipant'eva, N.N., Yakobs, A.I., Khalin, E.V. Economic efficiency of the utilisation of electric protection facilities 4—40806
Lipczynski, R.T. *see* White, B.A. 4—56987
Lipes, R.G. *see* Truong, T.K. 4—48498
Lipin, B.B. *see* Shkaruba, M.V. 4—35691
Lipinski, W. Analysis of magnetic field and the distribution of eddy currents in an axially symmetrical half-closed electromagnetic shield 4—47548
Lipinski, W. Application of Galerkin method to integral Fredholm equation for analysis of eddy currents in rectangular conductor placed in airgap of magnet 4—47549
Lipinski, W. *see* Sikora, R. 4—34666
Lipitakis, E.A. Generalized extended to the limit sparse factorization techniques for solving unsymmetric finite element systems 4—35423
Lipitakis, E.A. The use of second degree normalized implicit conjugate gradient methods for solving large sparse systems of linear equations 4—50722
Lipke, D.W. INMARSAT second generation space segment 4—38566
Lipkovskii, K.A., Sidorenko, Yu.V. Analysis of established power of the electromagnetic elements of two-transformer executive structures of mains voltage stabilizers 4—45584
Lipman, A., Govan, E.L. FCC preempts inconsistent state and local regulation of SMATV systems 4—54696
Lipo, T.A., Consoli, A. Modeling and simulation of induction motors with saturable leakage reactances 4—34660
Lipo, T.A. *see* He, Y.-K. 4—45443
Lipo, T.A. *see* Sneyers, B. 4—57415
Lipo, T.A. *see* Yi-Kang He 4—57378
Lipoff, S.J. Videotex system selection considerations 4—54251
Lipovchenko, A.L. *see* Muckhachev, Yu.S. 4—61706
Lipovskii, A.A. *see* Petrun'kin, V.Yu. 4—42873
Lipper, E.H. *see* Doshi, B.T. 4—57901
Lipper, E.H. *see* Kumar, A. 4—32546
Lippitsch, M.E. *see* Meisterhofer, E. 4—52881
Lippitt, M.W., Jr., Nuckols, M.L. Test and evaluation of an improved cold water diving suit 4—61809
Lippmann, R. Low-frame-rate air-to-ground TV using displacement estimation 4—53819
Lipschutz, L.D. *see* Horvath, J.L. 4—40870
Lipscombe, W.M., Stearman, G.H. A low-cost frequency response analyser 4—48813
Lipshitz, S.P. *see* Vanderkooy, J. 4—33038
Lipske, K.R., Fletcher, J.H. A nonlinear zero-one combinatorial, goal-programming model and constructive algorithm for solving multiobjective assignment problems 4—40909
Lipski, W., Jr. *see* Preparata, F.P. 4—46298
Lipskii, A.M. Calculation of reactive power of power supply systems for consumers with rapidly varying and unsymmetric loads 4—34150
Lipskii, A.M. Inter-relation of electric energy quality indices in networks with sharply variable load [distribution networks] 4—56572
Lipskii, A.M. *see* Zhezhelenko, I.V. 4—45579
Lipskii, V.K. Analysis of screening efficiency of thin-walled cylindrical screens 4—53235
Lipskii, V.K. A quasi-TEM mode in a coaxial line with oval conductors 4—59824
Lipson, J., Harvey, G., Read, P.H., Nicol, D.A. Two-channel single-mode wavelength-division-multiplexing devices 4—54823
Lipson, J. *see* Cheung, N.K. 4—54795
Liptak, M., Sandie, W.G., Shelley, E.G., Simpson, D.A., Rosenbauer, H. Microchannel plate electron multiplier for mass spectrometer applications 4—30281
Liqing Shen *see* Shen Liqing
Liqing Zhao *see* Zhao Liqing
Liquan Li *see* Li Liquan
Liquorish, R. *see* Dutreix, A. 4—44770
Lira, J., Balcazar-Garcia, M., Peralta-Fabi, R. Digital image processing for diameter distribution evaluation of nuclear tracks 4—55905
Lira, J. *see* Camacho, S. 4—55909
Lira, J. *see* Peralta-Fabi, R. 4—55908
Liren Ding *see* Ding Liren
Liron, E. *see* Talmadge, R.E. 4—48959
Lirs, A. *see* Shtade, D. 4—56598
Lis, I.D. *see* Bryantsev, A.M. 4—39868
Lis, R. *see* Michalski, A. 4—54423
Lis, S.A., Lavine, J.M., Goldberg, G.M., Masters, J.I. Options and opportunities with inorganic photoresist systems 4—36371
Lis, S.A. *see* Lavine, J.M. 4—36372
Lisak, M. *see* Anderson, D. 4—58493
Lisaku, S. *see* Takizuka, T. 4—32787
Lisanke, M. *see* Alewine, N.J. 4—57291
Lisauskas, V. *see* Cesnys, A. 4—58751
Lischka, K., Durstberger, R., Lindemann, G., Staudinger, H. Defect states in $Pb_{1-x}Sn_xTe$ 4—41854
Lischke, B., Frosien, J. Electron beam metrology applied to semiconductor elements 4—55695
Liseenko, V.I. *see* Lyashenko, V.V. 4—39313
Lisek, B. Queueing method for testing statistical hypotheses 4—50635
Lisenbardt, A.E. *see* Niehenke, E.C. 4—41579
Lish, A. A *Z* plane Lerner switched capacitor filter 4—58455
Lish, E.F. Considerations for laser soldering surface mounted connectors 4—58617
Lishchenko, A.I. Optimal structural parameters of solid rotor for asynchronous machines of various capacities 4—34669
Lishchenko, A.I., Lesnik, V.A., Kolychev, S.V. Mathematical model and calculation of self-excited vibrations of a synchronous motor-ball mill system 4—62733
Lisheng Yu *see* Yu Lisheng
Lishenko, B.A. *see* Manoilo, V.S. 4—46390
Lishenko, L.G., Rozen, A.A., Shula, G.V. Preparation of thin foil and films of molybdenum isotopes 4—46248
Lisitchenko, T.E. *see* Chutov, Yu.I. 4—50113
Lisitsyn, V.A., Motorin, S.V., Rogachevskii, B.M. Methods of reducing mutual interference between channels in three-component superconducting magnetometer 4—52503
Lisitsyn, V.N., Orlov, V.A., Revyakin, S.V., Sergievskii, V.S., Fomin, Yu.N. Laser method of local bloodstream velocity measurements 4—39522
Liska, J. Currents and voltage variations of transformers with three coil systems 4—40289
Liska, J. *see* Kott, J. 4—56727
Liskien, H. International fluence-rate intercomparison for 2.5 MeV and 5.0 MeV neutrons 4—61705
Lisle, P.H., Wedlake, J.O. Data services and the ISDN 4—60320
Liso, N. Insulating materials for medium voltage 4—42194
Liso, N. LV insulating material—laboratory tests 4—52324
Lisov, A.F. *see* Ruseev, N.F. 4—33445
Lisova, M.F. *see* Balabanov, A.A. 4—55540
Lisowski, J., Wyszogrodzki, Z. Vibration problems of the 110-750 kV lines of the power system 4—56638
Liss, G. *see* Svensson, S. 4—62211
Lisser, J. The subsynchronous cascade: characteristics and performance. A good energy saver, thanks to power electronics 4—40523
List, T. Designing differential JFET amplifiers 4—41218
Lister, C.A. Vacuum, SF_6 and air-break contactors for medium voltage controllers 4—62670
Lister, G., Lefebvre, R., Kohn, L. Epoxy Mica Mat class F stator ground wall insulation by Canadian General Electric—Manufacture and quality assurance 4—36972
Lister, M. *see* Wardrip, C. 4—39331
Lit, J.W.Y. *see* Grochowski, L. 4—47270, 4—47292
Litchfield, J.F. *see* Garforth, D.L. 4—32763
Lithovchenko, V.G. *see* Evtukh, A.A. 4—36343
Litke, H.-D. *see* Maciejewski, P. 4—43701, 4—48070
Litman, B.R. *see* Collins, J. 4—44262
Litovchenko, N.M. *see* Borimskii, V.V. 4—58719
Litovchenko, P.G. *see* Barabash, L.I. 4—55629
Litovchenko, V.G. *see* Borkovskaya, O.Yu. 4—59312
Litovchenko, V.G. *see* Evtukh, A.A. 4—58803
Litovskaya, E.G. *see* Bokshtein, O.N. 4—45782
Litovski, V.B., Petkovic, P.M. Time domain temperature dependence simulation of MOS electronic circuits 4—58132
Litsin, S.N. *see* Zinoviev, V.A. 4—53403
Litsyn, S.N. New nonlinear codes with a minimum distance of 3 4—37847
Littauer, E.L. *see* Levy, D.J. 4—40417
Little, M.J. *see* Efron, U. 4—42423, 4—42425
Little, R.W. *see* Kasdagly, D.G. 4—45983
Little, T.A. *see* Osheiba, A.M. 4—34632
Little, T.A. *see* Rahman, M.A. 4—56959
Little, W. *see* Hilliard, J. 4—32326
Littlejohn, M.A., Glisson, T.H., Hauser, J.R. Hot electron transport in n-type $Ga_{1-x}In_xAs_yP_{1-y}$ alloys lattice-matched to InP 4—30346
Littler, C.L., Seiler, D.G., McClure, S.W. Two-photon resonant photo-Hall effect in *n*-InSb 4—37200

Littlewood, P.A. *see* Goldwag, E. 4—62391
Littlewood, P.A. *see* Govan, G.R. 4—62368
Litton, C.W. *see* Kapitan, L.W. 4—50769
Litva, J. Introduction to sampled aperture radar technology 4—32861
Litvak-Gorskaya, L.B. *see* Gershenzon, E.M. 4—30339
Litvinenko, A.E. Method of solution of extremal combinatorial problems with nonlinear structure 4—57937
Litvinenko, L.N., Oleinikov, P.J., Pogarskii, S.A., Saprykin, I.I., Sedykh, V.M. Investigation of the properties of some types of multichannel microstrip lines in the quasistatic approximation 4—41543
Litvinov, V.S. *see* Dimov, I.T. 4—50195
Litvinov, V.S. *see* Lakhotskii, T.V. 4—62790
Litvintseva, S.P. *see* Leyman, V.G. 4—30297
Litwak, A.A., Siryj, B.W. Evaluation of erasable optical recorder materials 4—52528
Lityaikina, L.N. *see* Kokinov, A.M. 4—62786
Liu, A.S. Autonomous satellite navigation using the stellar horizon atmospheric dispersion sensor 4—49429
Liu, B. *see* Caraiscos, C. 4—31961
Liu, B. *see* Furhrmann, D.R. 4—53361
Liu, B. *see* Sullivan, B.J. 4—60094
Liu, B. *see* Xue, P. 4—60144
Liu, B. *see* Zou, L. 4—53687
Liu, B.D. *see* Fang, Y.K. 4—30634
Liu, B.-H., Chang, D.C., Ma, M.T. Eigenmodes and the composite quality factor of a reverberating chamber 4—37617
Liu, B.-H., Chang, D.C., Ma, M.T. Design consideration of reverberating chambers for electromagnetic interference measurements 4—37662
Liu, B.Y., Cheng, Y.C. Growth and characterization of thin gate oxides by dual TCE process 4—41089
Liu, B.Y.H. *see* Accomazzo, M.A. 4—36418
Liu, C.C. High track density servo position error signal processing 4—31954
Liu, C.H. *see* Fang, D.J. 4—47607
Liu, C.H. *see* Franke, S.J. 4—47612
Liu, C.H. *see* So, S.M. 4—45652
Liu, C.L. *see* Egan, J.R. 4—51099
Liu, C.S., Feldman, D.W. Long-lived, sealed-off metal-vapor lasers 4—37326
Liu, C.S., Feldman, D.W. Discharge-excited metal excimer systems 4—37329
Liu, D.W. *see* Ward, B.W. 4—49340
Liu, E.S.K., Turner, L.E., Bruton, L.T. Exact synthesis of LDI and LDD ladder filters 4—46577
Liu, H.K. *see* Yin-Zhong Liang 4—53107
Liu, J. *see* Fair, R.B. 4—36440
Liu, J. *see* Royston, D.D. 4—33299
Liu, J.-C., Mattauch, R.J. Plasma etching of borosilicate glass 4—58534
Liu, J.Q., Chen, Y.M. An iterative algorithm for solving inverse problems of two-dimensional diffusion equations 4—40988
Liu, K.C., Loring, C.M., Jr. Low-cycle fatigue behavior of oxygen-free high-conductivity copper at 300°C in high vacuum 4—58059
Liu, K.V. A VLSI Reed-Solomon decoder architecture for concatenate-coded space and spread spectrum communications 4—38344
Liu, K.Y. Architecture for VLSI design of Reed-Solomon decoders 4—32503
Liu, K.Y., Lee, J.-J. Recent results on the use of concatenated Reed-Solomon/Viterbi channel coding and data compression for space communications 4—53389
Liu, L.C.T., Ku, W.H. Computer-aided synthesis of lumped lossy matching networks for monolithic microwave integrated circuits (MMICs) 4—36050
Liu, M.L. *see* Chen, Y.K. 4—35579
Liu, M.T., Rouse, D.M. A study of ring networks 4—54420
Liu, N.C. *see* Stadelmaier, H.H. 4—58056
Liu, P. *see* Gupta, G. 4—48369
Liu, P.L. *see* Dutta, N.K. 4—42611
Liu, P.-L., Ogawa, K. Statistical measurements as a way to study mode partition in injection lasers 4—31378
Liu, P.-L. *see* Lee, T.-P. 4—42643
Liu, R., Huang, Y.F. Analog fault diagnosis—a new large-scale estimation problem 4—33147
Liu, S., Hammond, J.L. Determination of reliability parameters of a digital multiplex frame strategy using Markov chains and a state reduction method 4—53958
Liu, S. *see* Friedman, V. 4—41301
Liu, S.-L. *see* Halkyard, J.E. 4—62902
Liu, S.S., Atwood, G.E., So, E.Y., Wu, B.J., Leftwich, R.W., Hasserjian, K.R. 1.5-μ scaled CMOS microcomputer technology 4—51299
Liu, S.S. *see* Daigle, J.N. 4—32225
Liu, S.T. *see* Hoefflinger, B. 4—30761, 4—35717
Liu, T.M., Oldham, W.G. Shallow boron junctions implanted in silicon through a surface oxide 4—58856
Liu, W., Atkins, D.E. Wireability analysis of digital circuits in the gate array environment 4—35769
Liu, W. *see* Logie, S. 4—35823
Liu, W.-T., Corelli, J.C., Steckl, A.J., Moore, J.A. Polymethyl methacrylate resist sensitivity enhancement in X-ray lithography by in situ polymerization 4—41924
Liu, Y.-C., Gibson, G.A. Microcomputer systems: The 8086/8088 family. Architecture, programming and design 4—35120
Liu, Y.-C. *see* Allen, S.D. 4—58050
Liu, Y.J. On creating averaging templates [isolated word recognition] 4—53507
Liu, Z.L. *see* Zimmer, G. 4—36915
Liu Bekuan, Sun Kun, Fu Chongda, Li Weijun Program control of energy used for multi-laser pulse drilling 4—31534
Liu Bingrong *see* Qin Jianan 4—39602
Liu Chutang, Wu Chengming, Xu Shiyu ΔM-SCPC transmission tests for DOMSAT communication system in China 4—54728
Liu Chwei-Jeng, Chen Wei-Li, Chiou Guang-Song A study of a home-made ionization chamber 4—33653
Liu Decheng *see* Yan Luguang 4—47228
Liu Fuchang *see* Gong Desheng 4—31305
Liu Fusui *see* Xiong Guangcheng 4—47210
Liu Guan-yee An error detection coding algorithm for cyclic codes 4—47742
Liu Guocun *see* Gao Guangming 4—60583
Liu Guosheng *see* Ma Zhenhua 4—33982
Liu Hariun *see* Zhang Lehui 4—59480
Liu Hong *see* Hong Liu
Liu Hongju Single-mode integrated optical strip waveguides on glass substrates by $Na^+ \rightleftharpoons K^+$ ion exchange 4—59260
Liu Hongju *see* Li Yushan 4—37151
Liu Hongxun *see* Yu Lisheng 4—58017
Liu Jingyi *see* Wang Gongqing 4—49065
Liu Jinshou Polarization behaviour of an intracavity He-Ne laser 4—59402
Liu Jinshou, Zou Zhijie, Wang Fengjuan, Li Yannan Highly stable He-Ne laser at 1.15 μm 4—59415
Liu Lanfen, Xie Xi Maximum acceptance phase space in an accelerator with periodic structure 4—33554
Liu Lang *see* Huang Maoquan 4—59570
Liu Lin *see* Zhang Lehui 4—59480
Liu Lingling, Wang Tingyuan, Tau Xionagin, Pong Fang Obtaining single frequency output from a CW dye laser 4—59459
Liu Mao-heng Survey of electrically small antennas 4—53293
Liu Mao-san, Shi Cai-tu, Chen Ren-huai Magnetic field analysis of a permanent magnetic undulator 4—33607
Liu Miaohong *see* Chen Jianwen 4—31296
Liu Miaohong *see* Fu Shufen 4—37318
Liu Miaohung *see* Chen Jianwen 4—37315
Liu Min *see* He Guangsheng 4—53059
Liu Nan-chang *see* Chen De-sen 4—58676
Liu Peitian, Yang Deyu, Chen Jinchun, Gao Deqing, Tang Chuanmin, Wang Yuping, Gao Qixia Study of PTM Q-switching ruby laser 4—59479
Liu Puhe, Zu Guoxiang Indications and contraindications of laser therapy 4—61811
Liu Puling *see* Tian Junliang 4—39098
Liu Ruixiang *see* Ruixiang Liu
Liu Sheng-gang Kinetic theory of electron cyclotron resonance maser with quasi-optical cavity 4—47362
Liu Shenggang, Cheng Ci-de, Yang Zhong-hai, Xu Kong-yi Gyrotrons with special quasi-optical cavities 4—36213
Liu Shenggang *see* Yang Zhonghai 4—31263
Liu Shi-yong *see* Ma Chun-sheng 4—47643
Liu Shou *see* Xu Shenchu 4—59641
Liu Shu-tang A symmetrical two-level SCPC system for DOMSAT communications 4—54727
Liu Shuzhen *see* An Peijian 4—47520
Liu Songhao *see* He Guangsheng 4—53059
Liu Wanru *see* Chon Zhiying 4—44213
Liu Xiangchun *see* Tong Zuying 4—57591
Liu Xinlian *see* Chen Fangjun 4—48933
Liu Xiuyun *see* Han Shaoping 4—59413
Liu Yagang *see* Zou Haixin 4—53049
Liu Yan *see* Zhang De 4—59111
Liu Yao-wu, Zhang Qi-chao Study of dispersion for microstrip meander line periodic slow-wave structure 4—59826
Liu Yaogang *see* Chen Fusheng 4—35469
Liu Yixian *see* Chen Lingbing 4—59462
Liu Yixian *see* Li Fuming 4—31474
Liu Yuesen *see* Hong Guangyan 4—31350
Liu Zhen-Wei, Fu Zhen-Xuan, Yin You-Tian A computation technique for EIRP contours of offset reflector beam shaping antenna using circularly polarized illumination 4—53284
Liu Zhimo State variable star algorithm and its applications 4—51095
Liu Zhuo Piecewise solution with method of fixing split points' potential 4—46278
Liu-ying Huang *see* Huang Liu-ying
Liufu Wang *see* Wang Liufu
Livan, M. *see* Conta, C. 4—56031
Livesay, W.R., Greneich, J.S., Wolfe, J.E., Felker, R.J. Waferwriter: a process-compatible electron beam direct write system 4—36374
Livett, A.J., Leeman, S. Radiation pressure and its measurement [for medical US transducers] 4—56109
Livett, A.J. *see* Preston, R.C. 4—49168
Livingston, D. Computer conferencing 4—48214
Livingston, J.D., Martin, D.L. Thermal remagnetization of Co_5Sm magnets 4—36995
Livingston, M. How utilities are preparing for time-of-use rates 4—39802
Livingstone, A.W. *see* Wake, D. 4—52120
Livingstone, J.W. An inside view of 'Japan inc' 4—45903
Livne, A. Carrier-sensing—multiple-access pocket switching in the multichannel mode 4—38340
Livshits, E.S., Yampol'skaya, E.G., Tomilina, L.A., Vol'fkovich, Yu.M., Shkol'nikov, E.I. Calibrated-porosimetric investigation of the porous structure of the negative electrode of a lead storage battery during its manufacture and cycling 4—34857
Livshits, V.Ya., Karapetyan, G.O., Tennison, D.L., Petrovskii, G.T. Structural features of glasses for gradient optical elements 4—42324
Lixin Xue *see* Xue Lixin
Lixun Zou *see* Zou Lixun
Liyin Chen *see* Chen Liyin
Liying Zhang *see* Zhang Liying
Liyu, Z. *see* Cooke, C.M. 4—30825
Lizon-Tati, J. *see* Muller, M. 4—44812
Lizunov, S.I. *see* Gerasimenko, V.F. 4—41523
Ljung, L. Analysis of stochastic gradient algorithms for linear regression problems 4—43009
Ljungberg, K. *see* Bergman, S. 4—54659
Ljungblom, A. Ericsson Power Systems, a new division within RIFA 4—29627
Ljunge, L., Hall, L. S19 guidance of the Black Brant X sounding rocket 4—39647
Ljungstrom, A. Digital storage scopes 4—61427
Ljuslin, C. *see* Anders, H. 4—33740
Llabres, J. In situ preparation of undoped p-type CdTe by cathodic electrochemical deposition 4—29509
Llacer, J., Tobias, C.A., Holley, W.R., Kanai, T. On-line characterization of heavy-ion beams with semiconductor detectors 4—49173
Llacer, J. *see* Thompson, A.C. 4—56095
Llewellyn-Jones, D., Delderfield, J. ATSR—the along-track scanning radiometer 4—44519
Llobet, A. *see* Fernandez Rondan, B. 4—60865
Lloyd, A.H. *see* Senensieb, G.A. 4—53519
Lloyd, G. Fail-safe capacitors 4—51562
Lloyd, H. Transformer dielectric and coolant is nonflammable 4—49930
Lloyd, J.P. Amorphous silicon/Langmuir-Blodgett film MIS devices 4—51913
Lloyd, J.R. *see* Smith, P.M. 4—46739
Lloyd, L. *see* Pusone, E. 4—60924
Lloyd, M.L. *see* Ibbs, K. 4—41979
Lloyd, P. Application of numerical simulation in the modelling of IC device structures 4—36732
Lloyd, P. *see* Cole, R. 4—54400
Lloyd, P. *see* Kull, G.M. 4—36557
Lloyd, P.R. *see* Saraga, P. 4—60994
Lo, C.C., Leskovar, B. Cryogenically cooled broad-band GaAs field-effect transistor preamplifier 4—35652
Lo, C.C., Leskovar, B. Performance studies of Hamamatsu R647-01 photomultiplier 4—36233
Lo, C.C., Leskovar, B. Evaluation of Hamamatsu R1635 photomultiplier 4—58707
Lo, F.C. *see* Lee, T.H. 4—37230
Lo, H. *see* Badr, O. 4—52679
Lo, H.Y., Lu, J.H. Programmable variable-rate up/down counter for generating binary logarithms 4—51151
Lo, J. *see* Lange, D.J. 4—30484
Lo, N. *see* Riggle, P. 4—33884
Lo, P.H. On all-zero modelling of a recursive digital filter 4—51470
Lo, P.S.L., Banjo, O.P., Vilar, E. Observations of amplitude scintillations on a low-elevation Earth-space path 4—31637
Lo, S. *see* Wilson, D. 4—29826
Lo, S.C. *see* Sanli, N. 4—44028
Lo, T.C. NMOS function generator 4—41313
Lo, T.C. Wide range dynamic differential amplifier 4—46355
Lo, T.C. Double-density RAM cell fabricated with laser-recrystallization technique 4—46467
Lo, T.C. CMOS dynamic address buffer 4—47129
Lo, T.C. LSSD implemented with DCVS logic 4—51135
Lo, T.C. Non-complementary clocked differential cascode voltage switch logic 4—51141
Lo, T.C. Regular layout FET carry look-ahead circuit 4—51379
Lo, W. Cleaved-coupled-cavity lead-salt diode lasers 4—47449
Lo, W., Partin, D.L. Long-wavelength ($\lambda > 2$-μm) diode laser sources 4—53008
Lo, W., Partin, D.L. Overview of tunable diode laser technology 4—59499
Lo, W. *see* Freed, C. 4—61563
Lo, Y.T. *see* Yi-Lin Chen 4—53301
Lo Faso, U. *see* Campanella, M. 4—59919
Lo Presti, L. *see* Ajmone Marsan, M. 4—37788
Lo Presti, L. *see* Biglieri, E. 4—43595
Lo Presti, L. *see* Canovai, G. 4—38504

Lo Xiangzheng *see* Yao Guangtao 4—58006
Loader, R.J, Martin, P.A. The design of a high performance concentrator for the Cambridge ring 4—54437
Loan, C.Van *see* Van Loan, C.
Lob, E. *see* Basse, P. 4—55502
Lobachev, V.A. *see* Zhekov, V.I. 4—31361
Lobanov, A.A., Markov, P.I., Kudinov, N.V., Dolidovich, G.T. Automated methods for co-ordinate measurements 4—55671
Lobanov, L.M., Kasatkin, B.S., Pivtorak, V.A., Andrushchenko, S.G. A procedure for investigating residual welding stresses using holographic interferometry 4—44621
Lobb, D.R. Large screen laser TV projection systems 4—32938
Lobeev, Yu.S. *see* Rusin, Yu.S. 4—46646
Lobelle, M.C. Datagrams transferred as message trains in local area networks 4—48211
Lobet, M. *see* Herbots, N. 4—42014
Lobl, H., Bohme, H. The resistance of screw fastenings in devices of the electric energy transmission and its influence on the current capacity of those 4—41643
Loboda, P.N. *see* Tsikinovskii, V.S. 4—39815
Lobodzinski, S.M. Distributed system for the monitoring of critically ill patients 4—39579
Lobos, T. *see* Huminski, A. 4—49943
Lobov, A.I. *see* Borisov, R.I. 4—56499
Lobova, S.M., Uryvskii, Yu.I., Sedov, A.N., Popov, B.D. Attachment to the IKS-29 spectrophotometer [for semiconductor structures testing] 4—47092
Lobysheva, L.G. *see* Basiev, A.G. 4—42554
Locherer, K.-H., Hermannsen, J. Pull-out frequency of passive second order phase-locked-loop 4—29718
Lochmann, B. Present aspects of investment development in the power generation industry in the USSR 4—44978
Lochmann, D. Quantizing distortion in PCM-systems. IV 4—54118
Lochner, J. *see* Stockhausen, A. 4—48255
Lochovsky, F.H. *see* Lee, D.L. 4—53448
Lock, E. *see* Sanders, A. 4—36761
Lockau, J. *see* Haas, E. 4—56772
Locke, W.B., Botzko, S. A manufacturer's perspective on arrhythmia monitoring 4—49227
Lockett, D.E. Adaptive positioning of streaming tape drive 4—47188
Lockton, J.W. High speed image processing applied to microscopy, with special reference to quality assurance 4—53879
Lockwood, G.J. *see* Buckalew, W.H. 4—59082
Lockwood, J. *see* Schonfelder, V. 4—33779
Loda, G.K. Electron beams for *e*-beam lasers 4—37278
Lodder, J.C., Wielinga, T. Influence of RF sputter parameters on the magnetic orientation of co-Cr layers 4—30948
Lodding, A. *see* Dorner, P. 4—36257
Lodge, N., Flannaghan, B., Morcom, R. Vision scrambling of C-MAC DBS signals 4—32914
Loe, R.S. *see* Washwell, E.R. 4—54894
Loeb, H. A quantitative image analysis system 4—61286
Loeffler, C.M., Leonard, R.E., Jr. Phase unwrapping via median filtering 4—60143
Loeloeian, M., Mukhedkar, D., Gervais, Y., Velazquez, R. Comparative study of different methods for calculating the performance of grounding grids 4—62240
Loenen, E.J.van *see* van Loenen, E.J.
Loescher, F. The beginnings of hi-fi: the Siemens chamber music sets. II 4—38799
Loescher, F.A. Hi-fi-stereo development. VI. The tube, the missing component 4—38904
Loescher, F.A. Digital echo transmission delay unit 4—38916
Loescher, F.A. Beginnings of high-fidelity. XII. The Siemens chamber music equipment 4—38923
Loescher, F.A. History of high fidelity stereo equipment. V. Magnetic recording 4—38970
Loescher, F.A. From the Stone Age of the gramophone record. [History of gramophone record pick-up development] 4—44316
Loescher, F.A. Hi-Fi stereo and how it originated. X. Spring time for ELA 4—44322
Loewen, A. *see* Mein, G. 4—32542
Loewenstein, D. Computer vision and ranging systems for a ping pong playing robot 4—60155
Loewenstein, W.B., Esselman, W.H. University-industry relationship in research and education 4—45877
Lofe, J.J. *see* Blake, M.W. 4—34351
Loferski, J.J. *see* Bouazzi, A. 4—40440
Loffel, H., Schultz, M. Gas turbine for energy supply systems of an industrial plant 4—62409
Loffler, C. Halogen free, minimum smoke and fireproof insulation materials in electrical installations 4—42179
Loffler, H. Computer-assisted analyses and synthesis of computer networks 4—48249
Loffler, H., Irmscher, K. Computer networks as object of study and aid to instruction at the TU Dresden 4—45872
Lofft, A. The compact disc vs. the LP 4—38897
Lofgran, L. *see* Mahalingam, M. 4—57848
Lofroth, P.-O. *see* Dahlin, H. 4—44771
Lofti, R., Pohle, U. BIGFON—a first step toward services integration in broadband networks 4—44122
Logachev, V.A., Pashev, G.P. Comparison of methods of measuring systematic linear frequency variation of time- and frequency-standard signals 4—55710
Logan, B.F. Click modulation 4—37819
Logan, B.F. Signals designed for recovery after clipping. III. Generalizations 4—37925
Logan, B.F., Jr. Signals designed for recovery after clipping. I. Localization of infinite products 4—37923
Logan, B.J., Jr. Signals designed for recovery after clipping. II. Fourier transform theory of recovery 4—37924
Logan, H., Lare, E. A processor friendly IEEE 802 CSMA/CD controller with general purpose applications 4—54407
Logan, J. *see* Fare, R. 4—34046
Logan, J.C. *see* Li, S.T. 4—37631
Logan, R.A. *see* Capasso, F. 4—36536
Logan, R.A. *see* Forrest, S.R. 4—59357
Logan, R.A. *see* Henry, G.H. 4—36267
Logan, R.A. *see* Lee, T.-P. 4—42643
Logan, R.A. *see* Olsson, N.A. 4—31445, 4—37126, 4—59209
Logan, S.R. *see* Ribar, D.W. 4—32217
Loggini, M., Miglio, R., Mizzi, D. Synchronous insertion of power capacitors through a thyristor circuit: theoretical analysis and experimental investigation 4—62611
Loggini, M., Montanari, G.C., Cacciari, M. Considerations on reactive power compensation for low voltage static converters 4—49950
Logie, S., Harari, E., Li, S., Liu, W., Das, R. A new floating gate cell and technology for a 5 volt only CMOS 16K EEPROM 4—35823
Loginov, V.A. *see* Bakut, P.A. 4—38643
Loginov, V.S. *see* Konovalova, L.S. 4—34719
Loginov, Yu.Yu. Effect of radiation and heat treatment on coalescence processes in compensated silicon 4—30305
Loginova, L.V. *see* Makoklyuev, B.I. 4—44967
Loginow, A. *see* Schonfeld, R. 4—57090
Logothetis, E.M., Kaiser, W.J. TiO_2 film oxygen sensors made by chemical vapour deposition from organometallics 4—33227
Logvinenko, S.P., Mikhina, G.F., Mende, G.T. Low temperature indium resistance thermometer 4—61325
Loh, N.K. *see* Cheok, K.C. 4—38008
Lohmann, A.W., Ojeda-Castaneda, J., Sicre, E.E. Multiple interaction bandstop filters based on the Talbot effect 4—37189
Lohmann, A.W., Streibl, N. On the fundamentals of 3-D display 4—37475
Lohmann, A.W., Thum, C. Increased light efficiency of coherent-optical matched filters 4—38027
Lohmann, A.W., Wirnitzer, B. Triple correlations [optical computing] 4—59901
Lohmann, A.W. *see* Bartelt, H. 4—60179
Lohmann, A.W. *see* Bartelt, H.O. 4—43418
Lohmann, C. *see* Schafer, W. 4—45199
Lohmann, N. *see* Langen, B. 4—43702
Lohnert, K. *see* Bernds, A. 4—36272
Lohneysen, H.von *see* von Lohneysen, H.
Lohr, R.D. The role of extensometry in modern materials testing 4—29569
Lohrmann, G. Gallium arsenide transistors and integrated circuits 4—52183
Lohscheller, H. Adaptive transform coding for still picture communication 4—43473
Lohse, E. Trends in international standarization [telecommunications] 4—32209
Lohstroh, J. *see* Welton, F.P.J.M. 4—58425
Loidl, A. HV diodes used as variable resistors and switches 4—29665
Loitzl, W. Modernizing control and monitoring equipment for older steam turbosets 4—62383
Loizou, G. *see* Fenner, T.I. 4—40939
Lojak, L., Stuba, H. Power and information electronic equipment of 16 2/3 Hz passengers and goods train locomotive series 212/243. I 4—45708
Lojkasek, J. Development of electrical engineering activities in the VHJ STS and OZS 4—50273
Lok, Y.C. *see* Grimsdale, R.L. 4—33925
Lokanadham, B. *see* Somayajulu, Y.V. 4—47613
Lokanathan, S. *see* Ushida, N. 4—56030
Lokarev, V.I. Study of a resonance-parametric phase-shift measuring converter 4—44580
Loken, B., Audestad, J.A. Performance of mobile communication systems with marked idle channels 4—43992
Lokerson, D., Launey, R. Speech processor mimics human hearing 4—43254
Lokhande, C.D. *see* Pawar, S.H. 4—41071
Lokhanina, N.I. *see* Belyakov, N.N. 4—39896
Lokhin, V.M., Makarov, V.V. Study of dynamic properties of control systems with frequency-pulse modulation of the first and second kind 4—61208
Lokhov, S.P. *see* Gel'man, M.V. 4—41199
Lokhov, Yu.N. *see* Babadzhan, E.I. 4—37424, 4—53051
Lokhova, N.V. *see* Klimenko, I.S. 4—47526
Lokhovinin, L.N. *see* Panich, O.Z. 4—41201
Lokshin, L.S. *see* Zinger, N.M. 4—40621
Lokshin, M.M. *see* Lysenko, V.S. 4—41914
Loktyushin, A.A., Soldatov, A.N., Sukhanov, V.B., Troitskii, V.O., Chernyshev, A.I. Color-center laser pumped by copper vapor and dye laser radiations 4—42605
Lomakin, V.A., Guseinov, R.D., Zhurba, I.A. Test results for a commutatorless DC machine 4—40269
Lomako, V.M. *see* Vyatkin, A.P. 4—46854
Loman, T.V. *see* Saukhatas, A.S. 4—56679, 4—62241
Lomb, G. Aspects of guaranteeing a high reliability in public electricity supply 4—34036
Lombard, P.F. Variable speed drives as applied to fans 4—57383
Lombardi, F. *see* Bianco, S. 4—32014, 4—32836
Lombardi, P. *see* Kosmopoulos, S.A. 4—60767
Lombardo, J.J. *see* Bennett, G.L. 4—39670
Lombardo, V.N. Consideration of the work of elastic and inertial forces of the foundation when determining seismic loads for the dam of the Kurpsai hydroelectric station 4—34468
Lomdahl, P.S., Soerensen, O.H., Christiansen, P.L. Soliton excitations in Josephson tunnel junctions 4—42304
Lomilkin, A.P. *see* Mikityuk, S.I. 4—39102
Lonchamp, F. Perceptual cue validation 4—43235
Lonchamp, F. *see* Carbonell, N. 4—53572
London, A. Raw materials govern thick film material quality 4—29560
Lonergan, J., Shah, R., Fox, S., Cobb, K.W. Birmingham-Manchester single mode cable links 4—54840
Long, A.P., Pepper, M. Possible observation of an electronic phase transition in Sb doped Si 4—41820
Long, A.R. *see* Gibb, I.G. 4—51875
Long, D. *see* Dabbs, P.H. 4—60310
Long, G.G. *see* Spal, R. 4—56058
Long, J. *see* Donnelly, V.M. 4—41075
Long, J.F. *see* Schneider, R.T. 4—53847
Long, K.J. *see* Friebele, E.J. 4—37112, 4—52673
Long, M.L. Photoresist particle control for VLSI microlithography 4—36723
Long, M.L., Newmann, J. Image reversal techniques with standard positive photoresist 4—58842
Long, M.L. *see* Scotson, E.A. 4—57485
Long, R., Domahidy, G., Houston, R., Miller, G. Alternatives for cooling tower makeup treatment systems 4—49781
Long, S.A. *see* McAllister, M.W. 4—53295
Long, S.A. *see* Zaman, A.J.M. 4—29554, 4—30137
Long, S.I. Test structures for propagation delay measurements on high-speed integrated circuits 4—52193
Long, S.R. *see* Huang, N.E. 4—49476
Long, T. Human factors principles for the design of computer colour graphics displays 4—55261
Long-Fox, E.R. Computer-aided design, manufacture and test of printed circuit boards at IBM 4—46676
Longchamps, J., Dudek, J. Complex analysis of consumption indices of the chemical energy of fuel in professional power and heat and power plants 4—56798
Longcor, S. *see* Rinerson, D. 4—58342
Longeaud, C., Baixeras, J., Arene, E., Mencaraglia, D. Influence of hydrogen on electronic transport in DC triode sputtered amorphous silicon 4—30358
Longendorfer, D.H. *see* Holleck, G.L. 4—40392
Longerbone, M. *see* Abrokwah, J.K. 4—52094
Longerbone, M.D. *see* Kolbas, R.M. 4—52693
Longere, J.P. A system for increasing the productivity of VLSI testing 4—30682
Longhi, S., Pupolin, S. Performance of all digital differential PSK direct sequence spread spectrum receiver 4—32657
Longhi-Gelati, M. *see* Neri, G. 4—43759
Longley, J.I.H. *see* Alexander, I. 4—57567
Longman, I.M. Some aspects of the finite moment problem 4—29392
Longo, G. *see* Bruce, K. 4—50669
Longo, G. *(editor)* Information theory approach to communications 4—35125
Longo, I. Resonant-frequency temperature coefficient and *Q*-factor of a dielectric resonator at 6 mm wavelength and 850°C 4—47154
Longo, R.T. *see* Adler, E.A. 4—41780
Longoni, A., Ripamonti, G., Grassi, A. Photodetector array performances improved by low-cost microprocessor-based measurement techniques 4—33169
Longoni, A. *see* Gatti, E. 4—33667
Longsdon, T. Promising civil applications of the NAVSTAR Global Positioning System 4—48535
Longsworth, R.C. *see* Steyert, W.A. 4—37079
Longuemare, C. *see* Dudelzak, B. 4—55821
Longxin Zhao *see* Zhao Longxin
Longxing Zhao *see* Zhao Longxing
Longzhou, Fu., Grossman, L.M., Lee, N.Y. Optimal feedback control of a nuclear reactor system by frequency domain methods 4—34319
Lonngren, K.E. *see* Bulson, J.M. 4—59756

Lonsky, P. Properties and testing of silicon transformer liquid 4−40293
Loo, B.W., Adler, T.C., Goulding, F.S., Landis, D.A., Madden, N.W. Advances in the measurement of ambient carbon fibers 4−55401
Loo, R.Y. *see* Knechtli, R.C. 4−45633
Looft, F.C. *see* Shahnarian, A. 4−44714
Looft, F.J., Lyons, H.D. A microprocessor-based tissue displacement monitor for in vitro quantification of knee capsule deformation 4−49122
Looft, F.J. *see* Cavanaugh, K.T. 4−49315
Looft, F.J. *see* Labonte, R.C. 4−35169
Looijen, M. Communications: a survey 4−43574
Looijesteijn, C.J. Supply voltage effects of coupling a wind turbine, with a nominal power of 300 kW, to the electricity grid 4−45378
Look, D.C. The electrical and photoelectronic properties of semi-insulating GaAs 4−46824
Look, J. The subscribers home installations for cable TV 4−55043
Loomis, D.F. A distributed system for VLSI design 4−36770
Loomis, J.S. *see* Huff, L. 4−37480
Looms, J.S.T. *see* Clabburn, R.J.T. 4−59075
Loon, J.-C.F.Van *see* Van Loon, J.-C.F.
Loos, A.V. *see* Chuchalin, A.I. 4−40227
Loos, A.V. *see* Sipailov, G.A. 4−40333
Loos, H. *see* Liehr, M. 4−46972
Loos, M.Van der *see* Van der Loos, M.
Loos, R. *see* Heitmann, J. 4−44281
Loose, A., Hunyadi, I., Somogyi, G., Varga, Z., Najzer, M., Ilic, R. Neutron-induced autoradiography based on relief and dyed image formation in polymers 4−55941
Loose, A. *see* Somogyi, G. 4−55868
Loosen, P., Bakowsky, L., Herziger, G. Material processing with laser irradiation. III. Diagnostics on high performance CO_2 laser irradiation 4−31538
Loosen, P. *see* Beyer, E. 4−59663
Loovenstijn, J.H.van Mieren *see* van Mieren Loovenstijn, J.H.
Lopata, V.E. *see* Mandel'berg, S.L. 4−62844
Lopatin, N.A. Technical assistance of the USSR in the construction of hydroelectric stations abroad 4−62421
Lopat'ko, N.P. *see* Vagapov, A.M. 4−48503
Lopatriello, P.V.M. *see* Armandillo, E. 4−53026
Lope, J. *see* Drake, J.M. 4−49255
Lope, J. *see* Sanchez, A. 4−49247
Loper, E.J., Lynch, D.D. Projected system performance based on recent HRG test results 4−49403
Lopes, P.B., Bhattacharyya, B.B. On the generation of actively compensated voltage controlled voltage sources 4−35956
Lopes de Souza Leao, J. *see* Babary, J.-P. 4−58033
Lopez, A.M. *see* Nakamoto, F.S. 4−47639
Lopez, A.M. *see* Pytlinski, J.T. 4−33530
Lopez, G.C., Roser, H.P., Kimmitt, M.F., Giles, J.C. Submillimeter mixing with $Hg_{1-x}Cd_xTe$ 4−37464
Lopez, G.C. *see* Giles, J.C. 4−39186
Lopez, J.J.Perez *see* Perez Lopez, J.J.
Lopez, M.H. *see* Putnam, R.M. 4−48761
Lopez, N. *see* Huey, H. 4−36191
Lopez, R. *see* Amador, R. 4−35581
Lopez Averosa, E.Lastra *see* Lastra Lopez Averosa, E.
Lopez Giovaneli, C. An analysis of simplified solutions for multiple knife-edge diffraction 4−37579
Lopez Martinez, J.J. A 100 kW wind machine project in Tarifa (Spain) 4−34555
Lopez Romero, S. *see* Calleja, M.J. 4−34913, 4−57362
Lopez-Bescos, L., Almendral, J., Abeytua, M., Delcan, J.L., Fernandez-Aviles, F., Pedrera, M.A. Segmental contraction of the left ventricle in ischemic heart disease. Quantitative versus qualitative assessment 4−49276
Lopez-Coronado, J., Le Letty, L. Differential dynamic programming−implementation of algorithms and applications 4−29382
Lopez-Diaz, G. Choice and implementation of new office communication systems meeting the requirements placed on them 4−60311
Lopez-Gavito, L., Pigott, G.M. Effects of microwave cooking on textural characteristics of battered and breaded fish products 4−40604
Lopez-Parra, E., Gregotre, G. Probabilistic load flow in network planning. II. An analytical solution 4−34131
Lopez-Parra, E., Poloujadoff, M. Probabilistic load flows in network planning. I. Systematic building of network model and an application 4−34130
Lopez-qualle, M. *see* Ghosh, d. 4−33747
Lopez-Quelle, M. *see* Basu, M. 4−55958
Lopukhina, E.M., Semenchukov, G.A., Il'in, B.I. Improving quality level at design stage for asynchronous capacitor motors while minimizing expenditures 4−34701
Lopukhov, S.N., Soplyachenko, V.N., Povolotskii, E.G., Vlasov, V.G., Stukalov, V.F. Acoustic inspection of the structure of monocrystalline alloys 4−58096
Lora-Tamayo, E. *see* Anguita, J. 4−42167
Loranger, J.A. Printed circuit boards for humidity applications 4−45999
Lorch, T. *see* Merkle, F. 4−38028
Lord, D., McKenzie, R. Hydro plant upgraded for higher output and remote operation 4−45338
Lord, J.J. *see* Strausz, S.C. 4−39466
Lord, R.S. *see* Jones, C.M. 4−33558
Lord, W. *see* Horne, D. 4−46276
Lorden, G., EcEliece, R.J., Swanson, L. Node synchronization for the Viterbi decoder 4−53390
Lorden, G.L. *see* Goodman, R.M.F. 4−41361
Lordong, N. *see* Bertl, W. 4−33757
Lore, J., Tamada, N., Tsukamoto, O., Iwasa, Y. Acoustic emission monitoring results from the MFTF magnets 4−31081
Loreck, L., Dambkes, H., Heime, K., Ploog, K. Deep level analysis in (AlGa)As-GaAs MODFETs by means of low frequency noise measurements 4−36623
Lorenc, J. *see* Florkowski, W. 4−48812
Lorenc, T. *see* Gorski, A. 4−62048
Lorensen, W.E. *see* Griffing, B.F. 4−30720, 4−58838
Lorente, P., Azancot, I., Saumont, R., Adda, J.-L., Slama, R. Single-vessel coronary artery obstructions and regional wall motion abnormalities: a comparative study of three computer-based methods 4−49269
Lorenz, E. Scintillation colorimetry and readout techniques 4−33675
Lorenz, G., Ballering, H. Integrated communication as objective 4−54024
Lorenz, M.R., Miller, R.D., Yen, E.T. Controlled pore formation in magnetic disk coatings to optimize lubricant retention 4−31004
Lorenz, R.R. *see* Schmidt, M.P. 4−29946
Lorenz, S., Mehl, B., Ruffner, G. The status of microprocessor based generator control unit development 4−39651
Lorenzen, H.W., Vikopoulos, T. The transient behaviour of an asynchronous motor driving a shuttleless loom 4−34963
Lorenzen, H.W. *see* Bratoljic, T. 4−45421
Lorenzo, E., Molledo, A.G. Data acquisition and processing in medium size photovoltaic power plants 4−49814
Lorenzo, V.Di *see* Di Lorenzo, V.
Lorganger, A. The hot aspects of burn-in 4−36498
Loridan, P. ϵ-solutions in vector minimization problems 4−46137
Loriers, J. *see* Ezzaouia, H. 4−50737
Loring, C.M., Jr. *see* Liu, K.C. 4−58059
Loring, D. The telephone network and local area data transport: videotex transport in the Bell System, USA 4−48101
Lorkowski, H.-J. Problems of polymer chemistry in the development of electron and X-ray resists for microelectronics 4−41723
Lorusso, J.A., Lavoie, G.A., Forgacs, R.L., Jeryan, R.A., Errante, J. Electrohydraulic gas sampling value [for exhaust emissions analysis] 4−44640
Los, J. *see* Granneman, E.H.A. 4−44681
Los Mozos, J.R.De *see* De Los Mozos, J.R.
Loschi, R. *see* Villien, B. 4−58599
LoSecco, J.M. *see* Jones, T.W. 4−55811
Losee, D.L. *see* Cadien, K.C. 4−36693
Losee, D.L. *see* Lee, T.H. 4−37230
Losenicky, M. *see* Keprt, J. 4−61533
Loser, F., Sattler, P.K. Optimizing of the efficiency by the control of inverter-fed induction machines especially regarding saturation and heat effects 4−57026
Losev, V.L. *see* Baturov, B.B. 4−34294
Losev, V.L. *see* Boldyrev, V.M. 4−40004
Losev, V.V., Dvornikov, V.D. Recognition of address sequences using fast transformations 4−43353
Losi, A. *see* Gagliardi, F. 4−51583
Losic, N.A. Static stiffness and efficiency of a PWM MOSFET DC feed drive for NC machine tools 4−57640
Losleben, P. *see* Lewicki, G. 4−42172
Lostak, P., Horak, J. Mobility of free carriers in n-Bi_2Te_3 crystals 4−30370
Lotano, F., Sanguini, R. Functional structure of video-computer systems for managing alphanumeric information and video-images 4−44264
Lotfalian, M. *see* Schlueter, R.A. 4−45383
Loth, R.A., Applegren, G.H., Vejtasa, S.A. Comparative evaluation of conventional and advanced generating technologies 4−49652
Lothian, J.S., Hopkins, D.K.W. Modulation methods 4−48561
Lotito, N Performance analysis of a PCM switching system under combined voice/video loads 4−32598
Lotito, N. *see* Fioretto, G. 4−32597
Lotkova, E.N. *see* Dubovskii, P.E. 4−31329
Lotstedt, P. Perturbation bounds for the linear least squares problem subject to linear inequality constraints 4−29391
Lott, R.C. *see* Currie, N.C. 4−55658
Lotter, B. Integrated assembly processes in the production of micro-switches 4−35282
Lotter, B. Automated assembly in the electrical industry 4−50489
Lotti, G. Area-time tradeoff for rectangular matrix multiplication in VLSI models 4−58265
Lotz, B. *see* Wittmann, J.C. 4−35493
Lou, J.C. *see* Lin, M.S. 4−36422
Lou, P.W. *see* Sacarisen, S.P. 4−51302
Lou Qihong, He Qisheng Gain characteristics of a 10-atm X-ray preionized discharge XeCl laser 4−59409
Lou Tin-Zen *see* Wen Bao-Dons 4−44826
Lou Wei-hong *see* Chen De-sen 4−58676
Lou Yuhua *see* Fei Haosheng 4−59552
Louage, F., Baudet, J. CMOS RAMs for a portable and self-contained acquisition unit 4−51205
Loualiche, S., Rojo, P., Guillot, G., Nouailhat, A. Study of defects in proton irradiated n-InP 4−30597
Loucks, W.M. *see* Zaky, S.G. 4−32415
Loudiana, M., Schmid, A., Dickinson, J.T. Degradation of dielectric films by XeF excimer intermediates 4−37414
Loughhead, B. *see* Halton, D. 4−54547
Loughhead, J.N. *see* Lebrun, W. 4−41163
Loughlin, B.D. The revolution and evolution from dot sequential to NTSC 4−54976
Loughlin, C., Morris, J. Applications of eye-in-hand vision 4−55079
Louis, H. *see* Hsiao, Y.H. 4−49211
Louis, J.P. Nonlinear and linearized models for control systems including static converters 4−57197
Louis, J.P. *see* Aubry, J.F. 4−49910
Louisell, W.H. *see* Hopf, F.A. 4−37454
Loukakis, E. Two algorithms for determining a minimum independent dominating set 4−50658
Loukakis, E., Muhlemann, A.P. Parameterisation algorithms for the integer linear programs in binary variables 4−50683
Loup, J.P. *see* Jerisian, R. 4−51917
Lourenco, J.A. *see* DiGiuseppe, M.A. 4−50783
Lourtioz, J.-M. *see* Cassard, P. 4−52872
Louvent, B.De Saint *see* De Saint Louvent, B.
Louw, A. *see* Thomas, M.E. 4−50958
Lovasz, L., Sos, V.T. *(editor)* Algebraic Methods in Graph Theory. Szeged Colloquium on Algebraic Methods in Graph Theory 4−40701
Lovati, G. *see* Bellardo, A. 4−41611
Lovatt, M. Low-cost self-locating CRT neckshield 4−30277
Lovatt, M. Improved primary ground lead connection 4−34215
Love, D.J.G. *see* Twin, P.J. 4−49100
Love, G.R., Ogilvie, J.A., Schroeder, W.W. Solid tantalum output filter capacitors for switched-mode power supplies 4−58563
Love, H.G., Brown, L.E., Raffique, M. 2-dimensional subtraction encoding 4−49265
Love, J. *see* Brown, D. 4−49747
Love, J.D., Ankiewicz, A. Cutoff in single-mode optical fibre couplers 4−37104
Love, J.T., Stichman, J.H., Urenda, R.S. A design concept for an implantable drug delivery system 4−56189
Love, P. *see* van der Voort, E. 4−45911
Love, P.L., Simaan, M. Seismic signal character recognition using texture analysis techniques 4−60270
Love, R.D. *see* Friedrich, A.A. 4−54336
Love, R.P., Gray, P.V., Adler, M.S. A large-area power MOSFET designed for low conduction losses 4−47029
Love, R.P. *see* Baliga, B.J. 4−47010, 4−58910
Love, R.P. *see* Mogro-Campero, A. 4−41819
Love, W.F. *see* Bhagavatula, V.A. 4−37128
LoVecchio, P., Raghunath, T.R., Grimbergen, M.N., Rawe, R.L., Drake, J.D., Zimmermann, P.H., Reine, M.B. Electrical characterization of LPE n-P $Hg_{0.8}Cd_{0.2}Te$/CdTe heterojunctions 4−36324
Lovejoy, C.M. *see* Wang, J.H.S. 4−37299
Lovelace, U.M. A concept for an advanced Earth observation spacecraft 4−39698
Loveless, R. *see* Aprile-Giboni, E. 4−55812
Lovell, R. Communications technology development in NASA 4−54714
Lovell, R.R., Cuccia, C.L. Type-C communication satellites being developed for the future 4−44032
Lovelock, G.R. *see* Marshall, W.G. 4−45603
Loveluck, J.E., Porter, S.G. A charge coupled (CCD) pyroelectric array 4−55231
Lovely, P.S. Measuring fiber performance parameters 4−44630
Loven, B. Experiences from the use of text-communication systems in Scandinavia 4−43680
Loverre, P.F. *see* Bizzarri, R. 4−55976
Lovewell, J., Nelson, S. Networking strategies to integrate CAD/CAM/CAT 4−54355
Lovik, A., Jones, J.L., Tangen, J.M. A general system for physiological diver monitoring 4−61759
Lovitt, G.J. *see* Bennett, K.R. 4−52166
Lovold, S., Wang, G. Continuously tunable high-pressure RF-excited CO_2 waveguide laser 4−37295

Lovold, S., Wang, G. Tunable high pressure radio frequency excited CO_2 laser 4—52876
Low, D. *see* Florcik, D. 4—51620
Low, F.J. Integrating amplifiers using cooled JFETs 4—35981
Low, J.M. Mechanically scanned sonars for high precision navigation in civil engineering applications 4—44176
Low, J.N. *see* Anderson, J.M. 4—39009
Low, T.S. *see* Stillman, G.E. 4—30343
Lowbridge, P.L. An integrated W-band superheterodyne receiver 4—30118
Lowdermilk, W.H. Graded-index surfaces and films 4—42445
Lowdermilk, W.H. *see* Rainer, F. 4—37435
Lowe, A.C. *see* Bird, C.L. 4—44564
Lowe, A.C. *see* Golledge, I.C. 4—55594
Lowe, D. High field quantum transport theory in semiconductors 4—41809
Lowe, K., Van Hook, M. Hardware/software problems yield to today's logic analyzers 4—61293
Lowe, R.S. *see* Pilon, P.J. 4—59188
Lowe, R.S. *see* Vella, P.J. 4—52659
Lowe, V. *see* Geis, J.W. 4—34935
Lowe, V.E., Day, A.C. High-temperature-stable contact metallization for silicon solar cells 4—45640
Lowe, V.E. *see* Mickelsen, R.A. 4—45628
Lowell, F.C., Jr., Dube, L. Acoustic flow measurement for turbine efficiency testing 4—49806
Lowen, R. Compactness properties in the fuzzy real line 4—50657
Lowenstein, W.B., Bailey, P.G. Research and development activities regarding commercial reactor instrumentation at EPRI 4—56784
Lowenthal, F. *see* Davis, D.B. 4—47647
Lowenthal, G.C. *see* Wyllie, H.A. 4—39400
Lowery, A. Automated production and QA systems for medical devices 4—50568
Lowes, H.S. Thick film resistors as components in high voltage applications 4—30130
Lowette, T. Videotex in Belgium 4—48098
Lowitz, G.E. Mapping the local information content of a spatial image 4—60216
Lowitz, G.E., Cassagne, P. CLADYN, a new compressor for numerical color TV and multispectral images 4—61040
Lowndes, M. Car ignition with a single-chip micro 4—40575
Lowrey, J.A., III, Stanbaug, J.S. Endurance interval as a measure of marine navigation system performance 4—38736
Lowrey, W.H. *see* Konopnicki, M.J. 4—37401
Lowrie, R.W. Relating reliability improvement costs to field repair costs 4—35338
Lowry, J.C. *see* Gray, L.H. 4—62313
Lowry, J.C. *see* Haas, P.M. 4—62312
Lowther, D.A. *see* Ashtiani, C.N. 4—56933, 4—56967
Lowther, D.A. *see* Forghani, B. 4—29410
Lowther, D.A. *see* Mishra, M. 4—31577
Lowther, R.E. *see* Ito, A. 4—36786
Lowy, M. *see* Kavaler, R. 4—53541
Loyson-Siemering, A. The form of the product in Bildschirmtext 4—54311
Loytty, E.Y. Installation, splicing, and testing of large cross-sectional FT3C fiber optic cables 4—32838
Lozano, A.Menendez *see* Menendez Lozano, A.
Lozano, R.D. *see* Cazabat, C.R. 4—61240
Loze, M.K., Hudson, B.R., Middleton, B.K. A model for a digital magnetic recording channel 4—42266
Lozinskaya, N.R., Svenson, A.N. A comparative analysis of main parameters of spatial signal correlation filters 4—60031
Lozyanoi, V.I., Prokhoda, I.G., Prudkii, V.P., Ryabchii, V.D. Design of a slotted-bridge phase-shifter 4—41565
Lozyanoy, V.I., Petrusenko, I.V., Prokhoda, I.G., Prudkiy, V.P. Calculation of an H-plane slotted directional coupler using uniformly bent waveguides 4—30078
Lu, C.Y. *see* Lu, N.C.C. 4—46798
Lu, D.J., McCluskey, E.J. Quantitative evaluation of self-checking circuits 4—35730
Lu, D.J. *see* Hughes, J.L.A. 4—58257
Lu, F.-S., Wise, G.L. A simple approximation for minimum mean-square error symmetric uniform quantization 4—47759
Lu, J.H. *see* Lo, H.Y. 4—51151
Lu, J.-Q., Popp, H.-P., Neiger, M. The radiation mechanism of a high pressure rare earth halide lamp plasma 4—51694
Lu, L.-T. *see* Rav-Noy, Z. 4—52084
Lu, L.-Y. *see* Chang, J.-F. 4—32780
Lu, M.-W. *see* Hsieh, P.I. 4—29308
Lu, N. *see* Kao, H. 4—37955
Lu, N.C.C., Lu, C.Y., Lee, M.K., Shih, C.C., Wang, C.S., Reuter, W., Sheng, T.T. The effect of film thickness on the electrical properties of LPCVD polysilicon films 4—46798
Lu, N.Chau-Chun *see* Chau-Chun Lu, N.
Lu, N.H. Performance characteristics of adaptive complex linear prediction filter 4—37956
Lu, P.C. *see* McInnis, B.C. 4—49319
Lu, P.M. *see* Goksel, A.K. 4—51367
Lu, R. *see* Stoodley, K.D.C. 4—49281
Lu, S., Freese, R.P., Chung, C.H., Davies, D.H., Evanicky, D., Alexander, M. Characteristics of 3M write-once archival optical storage media 4—47233
Lu, S.-T., Roberts, N.J., Jr., Michaelson, S.M. A dual vial waveguide exposure facility for examining microwave effects in vitro 4—39616
Lu, Z.-J. *see* MacEwen, G.H. 4—54079
Lu Ai-Jin *see* Chen De-sen 4—51695
Lu Baosheng *see* Chen Fusheng 4—35469
Lu chang-guo *see* Ma Jin-yuan 4—44690
Lu Chih-Yuan *see* Chih-Yuan Lu
Lu Deng *see* Deng Lu
Lu Fang, Tang Pushan An automatic routing method for arbitrary rectangular cell in layout of LSI 4—30685
Lu Guoxian *see* He Huijuan 4—31352, 4—59481
Lu Guoxian *see* Li Yongchun 4—47491
Lu Hao-An *see* Hao-An Lu
Lu Huai-Xian *see* Du You-Wei 4—50836
Lu Kecheng, Ba Enxu, Zhang Jinying Magnetic induced beat noise in an intracavity He-Ne laser 4—31302
Lu Kecheng *see* Ba Enxu 4—52887
Lu Lairong *see* Cui Zhiguang 4—31447
Lu Mingda *see* Xiong Tongzhou 4—58447
Lu Peide *see* Ling Zhonggeng 4—46810
Lu Shangnu *see* Wang Gongqing 4—49065
Lu Shao-kang A new injector used at low voltages [for MOS structures] 4—58801
Lu Shiping *see* Wu Lusheng 4—59598
Lu Tiecheng Fundamental properties of power residue function and its applications in cryptosystems 4—59938
Lu Tsu-liang A dynamic method for determining the DC-AC difference of precision resistor due to Peltier effect 4—55627
Lu Wei-da *see* Ma Jin-yuan 4—44690
Lu Weiguo *see* Gong Desheng 4—31305
Lu Yaxiong Frequency doubling of a CW dye laser with an external auxiliary active cavity 4—31472
Lu Zhimin *see* Tang Yuhai 4—58351
Lu-jung Kuo *see* Kuo Lu-jung
Lu-shan Tu *see* Tu Lu-shan
Lubacz, J., Debaille, S. Performance evaluation of circuit switching for data networks 4—48280
Lubanski, M. *see* Preiswerk, H.P. 4—42572
Lubar, D.G. *see* Lewis, R.O., Jr. 4—37942
Lubashevski, I.A., Ryzhii, V.I., Fedirko, V.A. Influence of electron and hole heating on the intrinsic photoconductivity of semiconductors under Auger recombination conditions 4—46792
Lubashevskii, I.A., Mizerina, N.Yu. High-frequency relaxational oscillations in a homogeneous electron-hole plasma heated by Auger recombination 4—58712
Lubashevskii, I.A., Ryzhii, V.I. Heating of an electron-hole plasma in double heterostructures 4—30419
Lubbe, J.C.A.Van Der *see* Van Der Lubbe, J.C.A.
Lubberts, G. *see* Burkey, B.C. 4—36588
Lubelski, A. Self-powered constant load for NiCd battery discharge test 4—35623
Lubimov, V. *see* Arefiev, A. 4—55843
Lubimov, V. *see* Artemiev, V. 4—61684
Lubina, M. *see* Cholewicki, I. 4—62554
Lubke, K., Rieder, G., Thim, H. A high-speed high-resolution two-dimensional position sensitive GaAs Schottky photodetector 4—33302
Lubke, K. *see* Lindner, G. 4—60847
Lubnau, D.G. Coupling efficiency to IR fiber optics in the focal plane: a radiometric analysis 4—59205
Luborsky, F.E. Applications-oriented magnetic properties 4—30965
Lubs, S. Varying input clock rate fine-tunes filters' cutoff frequencies 4—51413
Luby, M., Micali, Z., Rackoff, C. How to simultaneously exchange a secret bit by flipping a symmetrically-biased coin 4—32101
Luby, M. *see* Karp, R.M. 4—29345
Lubzens, D. *see* Kishimoto, Z. 4—52247
Luc, D.T. On the domination property in vector optimization 4—46138
Luc, D.T. On duality theory in multiobjective programming 4—50691
Luca, C.J.de *see* de Luca, C.J.
Luca, E. *see* Pasnicu, C. 4—31023
Luca, F.De *see* De Luca, F.
Luca, P.O.de *see* de Luca, P.O.
Lucanu, M., Munteanu, V., Hritcu, A. The study of the three phase AC controller with three SCRs for a symmetric inductive receiver 4—34810
Lucarini, V. *see* Clark, L.O. 4—36500
Lucas, B. *see* D'Aoust, J. 4—42799
Lucas, C., Rahimi, A. Iran's experience in energy planning 4—29193
Lucas, C. *see* Rahimi, A. 4—34262
Lucas, J.H., Johnson, M.J. In vitro simulation of the electromagnetic fields near a 3-phase power line 4—61835
Lucas, M.C. *see* Hsu, H.H. 4—39446
Lucas, M.C. *see* Moss, C.E. 4—44686
Lucassen, J.M., Mercer, R.L. An information theoretic approach to the automatic determination of phonemic baseforms 4—53569
Lucat, C., Menil, F., Miquel, C., Destriau, M., Salardenne, J., Portier, J. Novel methane detector based on the physico-chemical interaction of a semiconductor oxide and a glass in a screen-printed layer 4—55428
Lucchese, C.J. *see* Cramer, A. 4—51944
Lucci, A.D., Williams, J.A., Beder, E.G., McFadden, B.L. Superintegrated power unit for fighter aircraft 4—39668
Luccio, A., Mortazavi, P., Yu, L.-h. Studies of the magnetic field of a permanent magnet undulator for a free electron laser 4—31432
Luccio, A. *see* Colella, R. 4—42507
Lucero, J.P. *see* Bryant, L.E., Jr. 4—61734
Lucertini, M. *see* Bertolazzi, P. 4—50679
Lucey, R. *see* Mako, F. 4—39301
Lucey, R. *see* Pasour, J.A. 4—31285
Lucey, R.F. *see* Pasour, J.A. 4—37270, 4—47391
Luchan, L. *see* Gorchakov, O.E. 4—61702
Luchaninov, A.I. *see* Gladkoskok, I.D. 4—41146
Luchini, P., Motz, H. Instability of an equation arising in the theory of free-electron lasers 4—52856
Luchini, P., Prisco, G., Solimeno, S. Optimization of the gain of a free electron laser (FEL) for a gaussian beam 4—47385
Luchinin, A.G., Malygin, O.V., Nusinovich, G.S., Fluyagin, V.A. Submillimeter gyrotron with a pulsed magnetic field 4—36185
Luchinin, A.G., Nusinovich, G.S. Experiments on submillimeter-wave gyrotrons 4—36209
Luchinin, A.G. *see* Flyagin, V.A. 4—58690
Luchkin, S.V. *see* Lementueva, N.V. 4—58170
Luchko, S.V., Anikin, V.Ya. Evaluating accuracy of pulse-width systems under standard conditions 4—31813
Luchuk, V.F. *see* Novikov, Yu.D. 4—62537
Lucia, F.C.de *see* de Lucia, F.C.
Luciani, A. *see* Cadoz, C. 4—44349
Lucic, R. *see* Cavin, R. 4—29235
Lucidarme, J. *see* Salame, E. 4—56975
Lucke, T., Green, R. Who wants cellular radio? A review of the available evidence 4—44015
Luckens, G., den Ouden, W. High-speed synchronous machines with stator excitation 4—56949
Lucky, R.W. *see* Calhoun, C. 4—50300
Lucovsky, G. *see* Rudder, R.A. 4—46240
Lucovsky, G. *see* Joannopoulos, J.D. *(editor)* 4—35119
Ludbrook, A. Rectifier harmonics in small systems 4—62635
Ludeke, K.M., Kohler, J. Microwave radiometric system for biomedical 'true temperature' and emissivity measurements 4—44731
Ludeman, L.C. *see* Jordan, J.B. 4—60240
Ludemann, C.A. *see* Jones, C.M. 4—33558
Ludemann, R. *see* Kuka, G. 4—41637
Luder, E. Tasks and targets of the Institute for Microelectronics, Stuttgart 4—51667
Luderitz, R. 3-dimensional representation on the oscillograph screen 4—61416
Ludin, W. Operational experiences with combined heat and power stations 4—34382
Ludman, J. *see* Horner, J. 4—59614
Ludman, J.E. *see* Caulfield, H.J. 4—43423
Ludolf, W.S., Hirschmann, R. Application of optical techniques in industry with particular regard to microelectronics 4—54835
Ludowise, M.J., Dietze, W.T. High spectral response and photoluminescence of $Al_xGa_{1-x}As$ solar cell structures grown by metalorganic chemical vapor deposition ($0.28 \leq x \leq 0.53$) 4—50050
Ludowise, M.J. *see* Bhattacharya, P.K. 4—51782
Ludowise, M.J. *see* Brown, J.M. 4—46842
Ludowise, M.J. *see* Lewis, C.R. 4—41090
Ludwicki, M., Wawro, S. A metering pump 4—49042
Ludwig, G.N. Local area radio intercom networks (LARIN) 4—32791
Ludwig, H.W. The use of magnetic fields in medicine 4—61766
Ludwig, J. *see* Artemiev, V. 4—61684
Ludwig, P. *see* Delaunay, M. 4—61649
Luecke, A. Micro computers make washing machines more efficient 4—45772
Lueckenotte, D.L. *see* Rinard, S.L. 4—62371
Luehrmann, H.M. *see* Gorablenkow, J.M. 4—57271
Luettgenau, G.G. Low-power television gets solid-state boost 4—60991
Luff, D.J. North Sea power 4—40678
Luff, G.F., Probert, P.J., Carroll, J.E. Real-time six-port reflectometer 4—44599
Luft, B.D. *see* Khusid, L.B. 4—52019
Lugakov, P.F. *see* Kazakevich, L.A. 4—36255
Lugakov, P.F. *see* Kolkovskii, I.I. 4—41822
Lugakov, P.F. *see* Kuznetsov, V.I. 4—30313
Lugannani, R., Rice, S.O. Distribution of the ratio of quadratic forms in normal variables—numerical methods 4—41027
Luganskaya, O.A. *see* Mandryka, O.R. 4—34682
Lugaric, B. *see* Antic, Z. 4—48326
Lugovoi, V.N. Tunnel generation and locking stimulated Raman radiation components 4—59600
Lugt, A.V. Optical transversal processor for notch filtering 4—47314
Lugtu, R. *see* Vemuri, S. 4—56504
Luguang Yan *see* Yan Luguang

Luh, L. *see* Kramer, D. 4—33623
Luh, P.B., Chang, S.-C., Chang, T.-S. Solutions and properties of multi-state Stackelberg games 4—29351
Luh, P.B., Chang, T.S., Ning, T. Three-level Stackelberg decisions problems 4—35358
Luh, P.B., Chang, T.-S., Ning, T. Three-level Stackelberg decision problems 4—50639
Luhandjula, M.K. Fuzzy approaches for multiple objective linear fractional optimization 4—46115
Luhmann, N.C., Jr. *see* Brower, D.L. 4—39298
Luhmann, N.C., Jr. *see* McDermott, D.B. 4—36193, 4—41771, 4—41774, 4—58688, 4—58691
Luhmann, N.C., Jr. *see* Park, H. 4—39299
Luhmann, N.C., Jr. *see* Tong, P.P. 4—42968
Luhmann, N.C., Jr. *see* Young, P.E. 4—39344
Luhukay, J.F.P. *see* Kubitz, W.J. 4—36902
Lui, J.W.Y., Leung, D.B. Checkmate: a universal digital power/energy checkmeter 4—62251
Lui Wei *see* Ma Zhenhua 4—33982
Lui Xiangling, Wang Hongxiang Magneto-optic materials of garnet single crystal films for ring laser gyroscopes 4—31195
Luijckz, G. *see* De Vries, C. 4—55988
Luitjens, S.B. *see* Smits, J.W. 4—30949
Luk, F.T. *see* Brent, R.P. 4—53589
Luk, K.C. *see* Horn, B.A. 4—49153
Luk, K.M. *see* Yu, P.K. 4—51518
Luk, T.S. *see* Pummer, H. 4—59591
Luk, T.W. *see* Hsieh, H.C. 4—36847
Lukasch, B. *see* Kerkow, H. 4—36412
Lukash, V.S. *see* Altukhov, I.V. 4—36357
Lukashev, A.A. *see* Glukhov, N.A. 4—58089
Lukasik, J., Vallee, F. Resonantly enhanced tunable VUV radiation and a study of a few selected optical processes in atoms and molecules 4—42576
Lukaszek, T. *see* Sinha, B.K. 4—30932
Luke, D. *see* Sharaf, A. 4—34107
Luke, D.A. A new range of tin-lead plating processes 4—50250
Luke, K.L. *see* von Roos, O. 4—51826
Luke, P. SciCal's D-Logic 4—35160
Luke, P.N. Gold-mask technique for fabricating segmented-electrode germanium detectors 4—33705
Luke, P.N. *see* Amendolia, S.R. 4—49068
Luke, P.N. *see* Goulding, F.S. 4—33703
Luke, P.N. *see* Haegel, N.M. 4—59311
Luke, P.N. *see* Varnell, L.S. 4—33778
Lukenyuk, A.A., Marinets, V.P. Comparison of analogue and digital methods of search for linear image elements 4—53907
Lukic, V.P. An analytical description of the power system dynamic operation. II. Implementation and practical application 4—34097
Lukic, V.P. An analytical description of the power system dynamic operation. I. Formulation and solution 4—34100
Lukic, V.P., Prole, A. A control analysis of multiterminal HVDC and AC power systems 4—62095
Lukic, V.P., Prole, A. Optimal connection of controlled HVDC to AC power system 4—62152
Lukin, A.N. *see* Ugai, Ya.A. 4—30375
Lukin, A.S. *see* Gaisak, I.I. 4—49073
Lukina, I.G. *see* Givargizov, E.I. 4—29486
Lukosz, W. *see* Tiefenthaler, K. 4—31171, 4—37097
Luksan, L. A new algorithm for linearly constrained discrete nonlinear minimax approximation 4—29369
Luksan, L. SPONA: software package for optimization and nonlinear approximation 4—29370
Lukutin, A.V. *see* Sipailov, G.A. 4—40333
Luk'yanenko, E.A., Speranskii, S.K., Shilkov, V.V. Effect of scattered radiation on the sensitivity of photoneutron inspection 4—50859
Luk'yanov, S.M. *see* Seidel, V. 4—39452
Lukyanov, S.P. *see* Badulin, N.N. 4—61921
Luk'yanov, V.N. *see* Goldobin, I.S. 4—59547
Lulli, G. *see* Galloni, R. 4—34895
Lum, P. *see* Dordick, H.S. 4—32152
Lum, Y.F. Videotex standards: a world perspective 4—32314
Lumb, D.H., Hopkinson, G.R., Wells, A.A. Performance of CCDs for X-ray imaging and spectroscopy 4—39060
Lumley, G.E. Alarm System. I 4—51070
Lummerstorfer, L. *see* Bartak, G. 4—32638
Lumpkin, A. *see* Sheffield, R.L. 4—47373
Lumpkin, A. *see* Warren, R.W. 4—47371
Lumsden, D. A tale of terror [land mobile radio rules] 4—38468
Lumsden, D. The maturing of land mobile 4—48393
Luna, A.Bayes de *see* Bayes de Luna, A.
Luna, F.D. AC operation of LEDs 4—31257
Lunan, A.R. A spectrum-efficient light-route distributed microwave radio system for voice, program and wideband data applications 4—32685
Lund, J. The MOS transistor: attractive but expensive 4—30628
Lund, J. The fourth leg filled with power 4—34447
Lund, R.A. *see* Gardner, R.N. 4—47311
Lund-Jensen, B. *see* Eek, L.O. 4—49069
Lundahl, L. *see* Ellder, J. 4—60946
Lundberg, K. A step towards CIM (computer integrated manufacturing) 4—30179
Lundberg, L.B. *see* Merrigan, M.A. 4—39652
Lundberg, O. Mobile communications via satellite in the 1990s 4—54642
Lundberg, R.C. KULLUK—an ice breaking drilling barge 4—62901
Lundberg, W.L. A parametric study of MHD/steam combined cycle thermal performance 4—40130
Lundberg, W.L. *see* Holman, R.R. 4—40125
Lundblad, L.-G., Berg, B. Time for the single circuit telephone 4—32509
Lundblad, L.Goran *see* Goran Lundblad, L.
Lunden, H.B. *see* Tripathi, V.K. 4—41557
Lundgren, B. The use of temporary radio bypass links when installing PCM systems on cables 4—60664
Lundgren, J.C. *see* Merickel, M.B. 4—61994
Lundgren, J.R. *see* Greenberg, H.J. 4—50651
Lundqvist, G. *see* Elgered, G. 4—47590
Lundqvist, L. Reality 1990: 40 satellites transmit over Europe 4—32718
Lundqvist, S. *see* Andersson, P. 4—42636
Lundsgaard, J.S. *see* Hooper, A. 4—45612
Lundstrom, I. *see* Dannetun, H.M. 4—33225
Lundstrom, I. *see* Dobos, K. 4—39152
Lundstrom, I. *see* Inganas, O. 4—47302
Lundstrom, M.S. Boundary conditions for *pn* heterojunctions 4—46851
Lundstrom, M.S. *see* Pierret, R.F. 4—36347
Lundwall, B. *see* Eriksson, G. 4—43558
Lundy, T.S. Building envelope research utilization 4—35167
Lungu, C.P. *see* Mustata, I. 4—42119
Lungu, C.P. *see* Natase, L. 4—51722
Lunin, I.V. *see* Nemkov, V.S. 4—62864
Lunka, H.A. *see* Collins, G.W. 4—44273
Lunkin, B.V. *see* Vendik, O.G. 4—55433
Lunmann, N.C., Jr. *see* Furuno, D.S. 4—41768
Lunn, M.A. Control equipment failure and its relationship to environmental corrosivity 4—50606
Lunter, S.G., Murzin, A.G., Tolstoi, M.N., Fedorov, Yu.K., Fromzel, V.A. Possibility of improving the efficiency of lamp pumping of erbium-glass lasers 4—47445
Lunze, J. Tuning characteristics of multivariable controllers with PI characteristics 4—56849
Lunze, J. *see* Gamaleja, T. 4—50966
Luo, F.-C. *see* Brody, P. 4—55259
Luo, G.X. *see* Semlyen, A. 4—39847
Luo, J.S., Hill, E.F., Lee, T.H. Power system economic dispatch via network approach 4—56451
Luo, R.-C., Suresh, S., Grande, D. Sensors for cleaning castings with robot and plasma-arc 4—57614
Luo, T.-T. *see* Lin, W.C. 4—39094
Luo Ding-Chang *see* Miao Yong-Rui 4—43829
Luo He-lie *see* Sun Ke 4—52444
Luo Ji-Kui *see* Bai Yuan-gen 4—44215
Luo Wan-bo *see* Yang Jia-yuan 4—57993
Luo Yong-guang The influence of distance between transducers on the characteristic of SAW devices 4—30919
Luo Zi-hua, Wang Shu-hong Adjustment of the mean axial electric field in the 10 MeV accelerating cavity 4—44661
Luomi, J. Magnetic field analysis of superconducting homopolar machines 4—45451
Luona Chen *see* Chen Luona
Luoni, G. *see* Donazzi, F. 4—31569
Luoni, G. *see* Farneti, F. 4—62194
Luorui Sun *see* Sun Luorui
Luovenko, V.I. *see* Arnol'dov, M.N. 4—33527
Lup, L. Effects of the national power system electric frequency on the electric power generation and consumption: a problem of economic efficiency 4—56389
Lupashko, E.A. *see* Ovcharenko, A.P. 4—47322
Luper, D.C., Oberholtzer, B.D., Pcihoda, W.W., Strautins, J. Automatic plating of bipolar integrated circuits 4—30748
Lupi, D.O. Sensors on the way to integrated systems 4—39158
Lupi, P. *see* Torelli, G. 4—29840
Lupinetti, F., Ingels, F., Dunn, R. Using FDM as a signal distribution method for wide bandwidth signals 4—54518
Lupinetti, F., Ingels, F., Dunn, R. A high bandwidth signal distribution system for aircraft stores management systems (SMS) 4—61881
Luplow, W.C. Reliability enhancements in color TV receivers 4—54979
Lupton, L.R., Keller, N.A. Performance study of single-slice positron-emission tomography scanners by Monte Carlo techniques 4—33807
Lupu, E. *see* Netzer, M. 4—37676
Luque, A. Photovoltaic concentration 4—34918
Luque, A. Static concentrators: a venture to meet the low cost target in photovoltaics 4—50094
Luque, A. Nonimaging optic theory for photovoltaic applications 4—52744
Luque, A. *see* Araujo, G.L. 4—34907
Luque, A. *see* Calleja, M.J. 4—34913, 4—57362
Luque, A. *see* Molledo, A.G. 4—34921
Lur'e, G.I. *see* Vyalkov, A.I. 4—55708
Lurie, C., Salinas, K. FLTSATCOM on-orbit battery experience 4—40404
Lurie, M. *see* Baird, H.S. 4—55086
Lurong, G. *see* Zhiheng, W. 4—60190
Lurong Cheng *see* Cheng Lurong
Luryi, S., Kastalsky, A. Anomalous photomagnetoresistance effect in modulation-doped AlGaAs/GaAs heterostructures 4—51811
Luryi, S., Kastalsky, A., Gossard, A.C., Hendel, R. Unipolar transistor based on charge injection 4—36639
Luryi, S., Kastalsky, A., Gossard, A.C., Hendel, R.H. Charge injection transistor based on real-space hot-electron transfer 4—47030
Luryi, S., Wittwer, N.C. Integrated circuit chip identification method 4—36728
Luryi, S. *see* Kastalsky, A. 4—58525
Luscombe, A.P., Cox, R.P The active microwave instrument (AMI) 4—44171
Luse, S.A. *see* Abut, H. 4—54462
Lushchaev, G.A., Baranenko, A.P., Grekova, A.G., Fandeev, E.I. Investigating dynamic characteristics of thermal transducer unit of total-radiation pyrometer 4—33311
Lusheng Wu *see* Wu Lusheng
Lusignan, B.B. Efficient satellite services in developing countries: availability of inexpensive earth stations 4—32774
Lusignan, B.B., Badawi, A., Alwakeel, S.S. VLSI-based distributed control system architecture for digital telecommunications 4—54558
Lusis, A.R., Kleperis, J.J., Brishka, A.A., Pentyush, E.V. Electro-optic spectroscopy of electrochromic processes in tungsten trioxide 4—59273
Lusis, M.A. *see* Chan, W.H. 4—56338
Luss, H. A capacity expansion model with applications to multiplexing in communication networks 4—60282
Lustig, C.D. *see* Maloney, W.T. 4—59125
Luther, C.A. Some results from ONR/Navy research efforts on remote sensing of sea ice with an overview of future research directions 4—39744
Luther, G.G., Deslattes, R.D., Towler, W.R. Single axis photoelectronic autocollimator 4—42486
Luther, G.G. *see* Duval, B.P. 4—55842
Luther, P.K., Holt, D.B., Lesniak, M. Defect analysis of integrated circuits 4—44420
Luthy, W. *see* Henchoz, P.-D. 4—42546
Lutsch, A.G.K. *see* Krimmel, E.F. 4—31250
Lutsenko, E.V. *see* Kulichikhin, V.V. 4—34425
Luttich, F. Signal generator SMS 2 replaces SMS 4—39202
Lutwack, R. Silicon material technology status [solar cell applications] 4—40475
Lutz, A. *see* Bruce, F.M., III 4—34658, 4—57035
Lutz, A.M. *see* Chase, R.L. 4—39426
Lutz, A.-M. *see* Aprile-Giboni, E. 4—55812
Lutz, C., Rabin, S., Seitz, C., Speck, D. Design of the Mosaic element 4—41402
Lutz, E. Automation in electrical supply distribution networks: dream of economic reality? 4—49586
Lutz, F.C. *see* Labonte, R.C. 4—35169
Lutz, G. *see* Kemmer, J. 4—33652
Lutz, M., Frey, O. The simulation of EMP and EMI effects and their influence on measuring and control equipment 4—39006
Luvison, A. *see* Laforgia, D. 4—53962
Lux, R.L., Green, L.S. Surface potential mapping: a problem in statistical imaging of the heart 4—49205
Lux, R.L., Millar, C.K. Assessment of ventricular repolarization by potential mapping 4—49224
Lux-Steiner, M. *see* Avirovic, M. 4—58009
Luxon, J.T., Parker, D.E., Karkheck, J. Waist location and Rayleigh range for higher-order mode laser beams 4—53044
Luz Reis Augusto da *see* Augusto da Luz Reis
Luzan, E. *see* Pop, E. 4—61497
Luzganov, V.S. Taking account of transmission line in remote measurement of reactances 4—33428
Luzhong Cai *see* Cai Luzhong
Luzzi, T. *see* Erickson, J.L. 4—62336
Lvov, B.V. *see* Gusev, A.A. 4—59487
L'vov, E.L., Rozanov, Yu.K. Stationary states of a pulse-width modulated DC converter 4—57154
Lwin, Y. *see* Krumpelt, M. 4—49825
Ly Cong Can *see* Attal, J. 4—34002
Lyabin, N.A. *see* Zubov, V.V. 4—31330
Lyagin, B.S. *see* Kaimakov, A.A. 4—29214
Lyakhov, Yu.A. *see* Klyukin, L.M. 4—53111
Lyakhova, N.V. *see* Klenov, G.E. 4—35513
Lyakhovetskii, G.G. *see* Erin, V.L. 4—33408
Lyakhovich, A.L. *see* Pentegov, I.V. 4—35069
Lyakhovich, T.K. *see* Grinchenko, V.T. 4—41086
Lyakhovskii, A.F. *see* Gorobets, N.N. 4—41567
Lyamets, Yu.Ya., Nudel'man, G.S., Shevtsov, V.M., Antonov, V.I., Kozlov, V.N., Panfilov, B.I. Static relay for power direction of the RM series 4—36113
Lyanda-Geller, Yu.B. *see* Ivchenko, E.L. 4—46790
Lyapin, A.G. *see* Aksenov, Yu.P. 4—59069
Lyapin, E.A., Podlazov, L.N., Bronnikov, V.K., Kapustin, A.N., Kogut, V.A., Plokhii, T.G., Rogova, V.D., Savin, V.B., Fomenko, V.N. Operational experience with power units in a nuclear power plant with RBMK-1000 reactor in pulsed discharge operations 4—40000

Lyapin, V.P. *see* Lerer, A.M. 4—31731
Lyapis, D.N. *see* Malyushevskii, P.P. 4—36922
Lyapunov, N.V. *see* Doyukhenko, V.P. 4—41561
Lyashenko, V.V., Agrest, G.D., Liseenko, V.I., Matreev, A.Yu., Filonets, A.A., Sidorenkov, A.A. Automation of length measurement of a hot-rolled section 4—39313
Lyashevich, N.A. Reliability of operation of heating surfaces in generating units under water conditions with dosing of an oxidant 4—40108
Lyauk, G.I. *see* Lazarevich, G.G. 4—62616
Lyberatos, A. *see* Chantrell, R.W. 4—31010
Lyden, C., Campbell, J.S. Numerical modelling of a gallium arsenide field effect transistor 4—36614
Lyden, J.D., Burns, B.A. Characterization of sea ice types using synthetic aperture radar 4—61938
Lydick, R., Morris, S. Supervisory software ties semicustom tools into a fully automated bundle 4—50898
Lydon, M. *see* Franks, C.I. 4—56085
Lydtin, H. Update on fiber manufacture by PCVD 4—52642
Lyhne-Nielsen, P. Realization of the ISDN within the public telephone technology 4—54594
Lyles, J.F. *see* Kurtz, M. 4—36943
Lyman, J. *see* Sherif, M.H. 4—44751
Lyman, P. *see* Moss, S. 4—48598
Lympany, S.S. Fiber optic local area network integrates multiple services 4—48254
Lyn, R. *see* Rossi, E.M. 4—31015
Lynch, A.C. Open resonators for measuring permittivity and moderate dielectric loss 4—61506
Lynch, A.C. *see* House, H. 4—33402
Lynch, D.D. *see* Loper, E.J. 4—49403
Lynch, E. Telecommunications: AT&T has a few suggestions 4—32169
Lynch, J.B., Phaller, L.J. Predicted vs. test MTBFs ... Why the disparity? 4—46033
Lynch, J.T., Bilson, R.T., Matthews, N.R. The measurement of flux residues from chip carrier attachment and their effect on other thick film hybrid components 4—58653
Lynch, J.T., Ford, M.R., Boetti, A. Effect of high-dissipation components on the solder joints of ceramic chip carriers attached to thick-film alumina substrates 4—40865
Lynch, S. Glass quality inspection system 4—43247
Lynch, T.E., Jr. *see* Caricchio, J.J. 4—46659
Lynch, W.T. *see* Kinsbron, E. 4—36443
Lyndon, J.T., Schwartz, S. Preparing dichotic tapes using a digital music synthesizer 4—33007
Lyneis, J. *see* Geraghty, D. 4—56508
Lynnworth, L.C., Patch, D.R., Mellish, W.C. Impedance-matched metallurgically sealed transducers 4—49485
Lynnworth, L.C. *see* Nguyen, T.H. 4—55760
Lyon, D. 'Newsfury' from Basys [electronic news gathering] 4—44249
Lyon, G.F., Fulford, J.A., Forsyth, P.A. Ionospheric effects on space application systems 4—37577
Lyon, H.B., Jr., LaSala, K.P. DoD/Industry-R&M technology study analysis 4—46030
Lyon, R.F. Computational models of neural auditory processing 4—60000
Lyong Lyu Van *see* Lyu Van Lyong
Lyons, A.M., Hale, L.P., Wilkins, C.W., Jr. Photodefinable carbon films: a new lithographic technique 4—59010
Lyons, H.D. *see* Looft, F.J. 4—49122
Lyons, J.P., Jr., Thomas, R.J. The control of variable-speed wind turbine generators 4—49826
Lyons, J.P., Jr. *see* Heegard, C. 4—53380
Lyons, M.H., Faktor, M.M., Moss, R.H. Vapour phase growth of mixed III-V compounds in the Ga-In-As-P system 4—35486
Lyons, M.H. *see* Wakefield, B. 4—46807
Lyons, P.L. *see* Nair, P.K. 4—49650
Lyons, R.A. Wind farm financing—understanding the securities law 4—45371
Lyons, R.G. *see* Kamal, S.S. 4—32781, 4—53972
Lyons, R.S., Barrick, D.E. Attenuation rates of coastal radar signals at 25 MHz 4—48502
Lyons, S.L. Domestic lighting today 4—45746
Lyons, S.L. Reduce the cost of lighting maintenance 4—57790
Lyra, C., Tavares, H., Soares, S. Modelling and optimization of hydrothermal generation scheduling 4—62119
Lysel, M.S.Van *see* Van Lysel, M.S.
Lysenko, G.I. The possibilities of increasing the protective zones of phase-comparison transmission-line protection 4—49626
Lysenko, V.S., Lokshin, M.M., Nazarov, A.N., Rudenko, T.E., Tkachenko, A.S. Radio-frequency annealing of defects in implanted metal-insulator-semiconductor structures 4—41914
Lysiak, R.J. *see* Hsueh, C.Y. 4—37450
Lyskov, Yu.I. *see* Davydov, V.E. 4—45170
Lysogorov, O.S. *see* Zhuk, F.I. 4—31540
Lysov, Yu.A. *see* Eshel'kin, V.M. 4—57117
Lystsova, L.A., Polyakov, V.E., Fedotov, V.P. Equipment for the continuous monitoring of complex relay protection 4—56678
Lysyi, V.A. *see* Zanichovskaya, L.V. 4—45189
Lytaev, R.A. *see* Matveev, V.V. 4—34755
Lytle, C.D. *see* Hess, R.V. 4—56287
Lytle, D. Oscillator forms position transducer 4—44486
Lytle, F.E. *see* Bebel, J.C. 4—37440
Lytle, S., Roop, R., Cave, D., Hughes, D., Gegg, W., Alvarez, A.R. Power BiMOS—a versatile IC technology for switching and regulation applications 4—58987
Lyu Van Lyong Order-statistics analysis of ionospheric data and dependence of ionospheric properties on the solar activity 4—53209
Lyubarskaya, N.V. *see* Lyubarskii, V.G. 4—39816
Lyubarskii, V.G., Filatov, V.I., Lyubarskaya, N.V. Method for calculating the range of stability of a power system and for selecting the automatic excitation regulator adjustment for the system's transient parameters 4—39816
Lyubashevskaya, T.L. *see* Kagan, M.B. 4—58037
Lyubchenko, V.E., Makeeva, G.S. Electrodynamic analysis of the propagation of electromagnetic waves in a thin-film semiconductor structure with a negative differential conductivity 4—42845
Lyubchenko, V.Ye., Makeyeva, G.S. Electrodynamic analysis of an active GaAs waveguide-slotted line 4—53263
Lyubimov, V.V. Influence of small-scale perturbations on the correlation function of the field in an unstable resonator 4—31422
Lyubin, A.G. Modes of heating the components of power plants with prescribed allowable temperature difference 4—40117
Lyubin, E.S. *see* Borisova, V.P. 4—40115
Lyubin, V.M. *see* Bordovsky, G.A. 4—30360
Lyudmirkii, E.A., Merker, E.A. Measuring the intensity of a proton beam and the efficiency of slow beam extraction 4—33716
Lyutova, N.A., Karpova, I.A., Ratner, T.G., Filippyuk, V.V. The use of shield blocks for field formation in γ-beam therapy 4—39580

M., A.Canas *see* Canas M., A.
Ma, F.K., Chau, S. DMS-MTX turnkey system for cellular mobile radio application 4—60715
Ma, H. *see* Wu, J. 4—40343
Ma, J.Y.L. *see* Brand, G.F. 4—36205, 4—58693
Ma, M.T. *see* Liu, B.-H. 4—37617, 4—37662
Ma, M.T. *see* Wilson, P.F. 4—37663, 4—59836
Ma, P. *see* Wittke, P.H. 4—31843
Ma, T.P. *see* Holland, S. 4—59063
Ma, T.-P. *see* Zekeriya, V. 4—51880
Ma, Y.Q. *see* Ayre, C.A. 4—33763
Ma Bai-lin Equivalence between a narrow conducting strip and a thin conducting wire 4—59823
Ma Chun-sheng, Liu Shi-yong Theoretical analysis of optical characteristics of GaAs/AlGaAs three-dimensional light waveguides 4—47643
Ma Hua-xiao Logical features and network design of Searle operations 4—41276
Ma Ji Liang, Yu Chun Hai Fuzzy topological groups 4—40948
Ma Jimao, Bai Jingzhi, Du Yunhe, Chen Chaoqing, Wu Zhendong, Gao Shuqi, Xie Peipei, Yan Jie A readout system for a multiwire proportional chamber 4—49092
Ma Jin-yuan, Lu Wei-da, Lu chang-guo, Zhang Yu, Chou Yue-hua, Gu Wei-xin The experimental investigation on improving the energy resolution of the gas sampling shower counter 4—44690
Ma Li *see* Zhou Fuzheng 4—47500
Ma Shukan *see* Zhou Fuzheng 4—31446
Ma Shusen, Hu Xuejin, Yao Yongbang, Shan Xinxin, Cai Xiaohong, Yao Guohong A tunable UV excimer laser system 4—59411
Ma Tso-ping *see* Tso-ping Ma
Ma Ying-jie *see* Xu Yong-xing 4—53150
Ma Yingdi *see* Zhuang Wanru 4—59523
Ma Yueren *see* Hu Shiheng 4—37319
Ma Zhenhua, Liu Guosheng, Lui Wei Principle study of the FM radar for improving the accuracy in quantitative rainfall-rate measurement 4—33982
Maa, J.-S. *see* Vossen, J.L. 4—46941
Maan, J.C. *see* Englert, Th. 4—51837
Maas, A.I.R. *see* de Jong, D.A. 4—33796
Maas, R. *see* De Vries, C. 4—55988
Maat, H.J.ter *see* ter Maat, H.J.
Maby, E.W. *see* Robinson, A.L. 4—36879
Macadam, J.A. The residential market for district heating from combined heat and power 4—34437
McAffe, K.B., Jr., Walker, K.L., Laudise, R.A., Hozack, R.S. Modified chemical vapor deposition process chemistry 4—50825
McAlister, J. Management approach to safety enhances overall work environment 4—62372
McAlister, J., Smith, L. Miniature powerplant may teach more than a training simulator 4—34246
MacAllister, J. *see* Ross, S. 4—43230
McAllister, M.W., Long, S.A. Resonant hemispherical dielectric antenna 4—53295
McAllister, W.A. Rare earth-activated niobates 4—47335
Macaluso, E. *see* Allen, P. 4—36919
McAnney, W.H. Diagnosis of self-test failures 4—29796
McArthur, C.D. Automation, JIT inventory systems, and quality 4—50570
McArthur, I.C. *see* Gilmore, R.S. 4—51327
McArthur, L.R. Personal computers automate instrument maintenance activities 4—61238
MacArthur, S. Maglev—where next? 4—62739
McAulay, A.D. Nearest neighbor hybrid deformable mirror optical computer 4—53805
Macaulay, J. Active loudspeaker 4—33057
Macaulay, J.P. Simple organ 4—38934
McAulay, R.J. Maximum likelihood spectral estimation and its application to narrow-band speech coding 4—43267
McAulay, R.J. *see* Shaw, G.A. 4—38011
McAuley, A.J., Goodman, R.M.F. Modifications to the trapdoor-knapsack public key cryptosystem 4—47778
Macauley, J.P., Crawley Improving crossover performance (Zobel network) 4—35025
McAuley, R.J., Quatieri, T.F. Magnitude-only reconstruction using a sinusoidal speech model 4—53558
McAuley, T.J., Smith, I.K. A 2000 channel mine-wide data acquisition system 4—33969
McAvoy, B.R. *see* Haynes, J.T. 4—36985
McAvoy, B.R. *see* Krishnaswamy, S.V. 4—52365, 4—59110
McAvoy, B.R. *(editor)* 1983 Ultrasonics Symposium Proceedings 4—50320
MacBain, J.C. *see* Harding, K.G. 4—53092
McBeth, G.W. *see* Siadat, L. 4—55979
McBrearty, M., Negin, M., Zielenski, A., Weilerstein, M. Real time non-destructive evaluation in ultrasonic wire bonding 4—51690
McBreen, J., O'Grady, W.E., Richter, R. A rotating disk electrode apparatus for the study of fuel cell reactions at elevated temperatures and pressures 4—50043
Macbride, B.M. Synthesis and realization of digital functions for V.L.S.I. 4—30711
McBride, D. *see* Cuykendall, R. 4—42108, 4—52246
McBride, D.G. Multilayer flexible film module 4—50544
McBride, J. Videotex as a corporate tool 4—43713
McBride, L.E., Trenkler, Y. Clad metals—permeability plus conductivity for effective shielding 4—59806
McBride, S.E. *see* Lange, A.E. 4—61392
McCabe, C.W. *see* Dicello, J.F. 4—29857
McCabe, S.P. *see* Stevens, S.N. 4—58990
McCaffrey, R.R., Prasad, P.N. Organic-thin-film-coated solar cells: energy transfer between surface pyrene molecules and the silicon semiconductor substrate 4—40461
McCall, D.L., Tumms, P.G. A test strategy for diffusion set evaluation in the development of a semicustom array family 4—29837
McCall, M.W. *see* Laycock, L.C. 4—60175
McCall, R.C. *see* Ing, H. 4—33657
MacCallum, C.J. *see* Gehrels, N. 4—33704
McCally, R.L. Measurement of Gaussian beam parameters 4—47496
McCammon, D., Moseley, S.H., Mather, J.C., Mushotzky, R.F. Experimental tests of a single-photon calorimeter for X-ray spectroscopy 4—61745
McCammon, D. *see* Moseley, S.H. 4—61744
McCandless, S.W. *see* Mrazek, C.P. 4—38668
McCandless, S.W., Jr. Overview of imaging radars 4—38686
McCandless, S.W.J. *see* Malay, J.T. 4—56324
McCann, B. *see* Goldwag, E. 4—62391
McCanny, J.V., Wood, K.W., McWhirter, J.G., Oliver, C.J. The relationship between word, and bit level systolic arrays as applied to matrix×-matrix multiplication 4—53596
McCargo, M., Dammann, R.E., Robinson, J.C., Milligan, R.J. Effects of combined ultraviolet and oxygen plasma environment on spacecraft thermal control materials 4—44817
Maccarone, M.C. *see* de Gesu, V. 4—53346
McCarthy, B.M. *see* Elabd, H. 4—56265
McCarthy, C. Neither masks nor fuses mar design flexibility of EPROM-based logic 4—51110
McCarthy, E.P. A true averaging circuit for instrumentation [using DAC] 4—39130
McCarthy, J.J. *see* Bibbero, R.J. 4—60542
McCarthy, J.J. *see* Fritz, G.S. 4—36718
McCarthy, J.P. *see* Bilson, R.T. 4—41734
McCartin, B.J., Caspar, J.R., LaBarre, R.E., Peterson, G.A., Hobbs, R.H. Steady state numerical analysis of single carrier two dimensional semiconductor devices using the control area approximation 4—36513
McCartney, D., Catherwood, M.I. Trends in Motorola microprocessor families 4—46499
McCarty, D.E., Tiemann, S.D. The fine art of cable locating 4—60634

McCasland, H.L., Spurgin, J.E., Woods, W.L. Fabrication method for interconnect cables 4−54475

McCaughan, L. Low-loss polarization-independent electrooptical switches at $\lambda=1.3$ μm 4−31185

McCaw, R.K. Laser pattern generation for printed circuits 4−51650

Macchi, O., Eweda, E. Convergence analysis of self-adaptive equalizers 4−43010

Macchi, O. *see* Bonnet, M. 4−60082

Macchi, O. *see* Park, K.H. 4−54483

Macchi, R., Moreno, L., Vicini, P. Field evaluation of a 70Mb/s 7/11 GHz digital radio link 4−32675

Maccionio, C., Sesto, E. ENEL's research and demonstration programmes on wind energy 4−34560

McClain, W.D. *see* Proulx, R.J. 4−48446

McClaine, A.W. *see* Pian, C.C.P. 4−40488

McClanahan, M.L. *see* Haskins, H.J. 4−40397

McClanahan, T.S. *see* Watson, J.R. 4−35087

McCleer, P.J. *see* Elhussein, A.E. 4−62098

McCleer, P.J. *see* Mir, M. 4−56680

McClellan, G. Build this telephone add-on−no more wrong numbers. II 4−43844

McClellan, G. Build this telephone add-on: no more wrong numbers 4−43845

McClellan, J.H. *see* Parks, T.W. 4−37991

McClellan, J.H. *see* Schott, J.-P. 4−47833

McClellan, W.R. *see* Conner, W.A. 4−43939

McClelland, R.W. *see* Vojak, B.A. 4−52072

McClelland, S. Laboratories on a chip [silicon 3D mechanical devices] 4−29907

McClelland, S. *see* Das, K. 4−41962

McClelland, T. *see* Williams, H.E. 4−38999

McClintock, R. *see* Singh, A. 4−61229

McCloskey, T.H. *see* Cotton, K.C. 4−49752

McCloud, J.W. *see* Cole, G.R. 4−32978

McClung, L.B., Pickering, J.J. Advances in cross-linked polyethylene insulating and jacketing compounds 4−59087

McClure, S.W. *see* Littler, C.L. 4−37200

McCluskey, E.J. Verification testing−a pseudoexhaustive test technique 4−58256

McCluskey, E.J. *see* Hughes, J.L.A. 4−58257

McCluskey, E.J. *see* Lu, D.J. 4−35730

Maccoby, M. *see* Hayes-Roth, F. 4−50398

McColgin, W.C. *see* Lee, T.H. 4−37230

McColl, M., Wintroub, H.B. Microwave receiver technology for space systems 4−36064

McColl, W.D. *see* Neville, R.A. 4−56266

McCollor, D.C., Watanabe, T., Slawson, W.F., Shier, R.M. An EM method for Earth resistivity measurements using power line harmonic fields 4−33963

McCollough, D.H. *see* McGaffey, R.W. 4−61655

McCollough, D.H. *see* Whealton, J.H. 4−61654

McCollough, W.V. *see* Sherwin, C. 4−56312

McComas, D.J., Bame, S.J. Channel multiplier compatible materials and lifetime tests 4−39693

McConnell, D. *see* Howe, A.F. 4−50362

McConnell, J.B., Picket, R.B. GPS translation application considerations for test ranges 4−48534

McConnell, J.B., Pickett, R.B. GPS translator tracking system implementations at the test ranges 4−38745

McConnell, J.E. The economics for selection of drives−AC motors or steam turbine mechanical drives 4−62738

McConnell, K.R. Digital facsimile in the office automation environment 4−32294

McConnell, R.J. *see* Buschman, H.W. 4−40037

McConnell, R.L. The feasibility of on-board energy storage for the MPM vehicle 4−57476

McConnell, R.L., Kuniak, R.J. Vehicle power and energy measurements on the Morgantown People Mover System 4−55624

McConnell, S.O. *see* Robinson, E.R. 4−60930

McCord, T.B. Solar pond development in Pacific Oceania 4−40170

McCorkell, C. *see* Wilson, R.N. 4−29159

McCormack, R. *see* Gilbert, R. 4−59693

McCormick, J., Bousquet, B. Color comes to scope display 4−61426

McCoskey, J.S., Redman, W., Morgart, W., Hung, B., Agarwal, A. An international high-speed packet-switching experiment 4−54653

McCourry, T.L., Gowdy, J.N. Comparison of several digital filter design methods 4−58470

McCoy, D.F., Merriman, F.C., Stankiewicz, G.J. Comparison of two thorium fuel cycles for use in an advanced water breeder reactor 4−40035

McCoy, L. CQ reviews: the Polar Research M-1-A and ER-1 rotating antenna 4−31780

Mccoy, L. The ICOM IC-02A/T 2 meter handheld 4−48396

McCoy, L. The Santec Model ST-142 two-meter HT 4−48397

McCoy, L. CQ reviews: the Lance Johnson Engineering GP-1 vertical antenna mount 4−59891

McCoy, L. CQ reviews: the ICOM R71A general-coverage receiver 4−60642

McCracken, H. *see* Peden, K. 4−34062

McCrackin, F., Straughan, I.R., Holte, K.C. Utility experience with alternative forms of power generation 4−49663

McCrady, D.D. Electrooptical processor module 4−52697

McCrady, D.D., Spence, J.E. A coefficient fabrication error model for sampled data filters 4−31964

McCrady, D.D. *see* Sherwin, C. 4−56312

McCrae, G.G. *see* Dang, G. 4−36941

McCranie, E. *see* McGinley, P.H. 4−33862

McCreary, J.L., Eitan, B., Amrany, D. Techniques for a 5-V-only 64K EPROM based upon substrate hot-electron injection 4−35799

McCreary, J.L. *see* Eitan, B. 4−46458

McCreath, C.G. The effect of changes in physical properties of distillate liquid fuels derived from alternative sources on combustion in the gas turbine 4−62416

McCrohan, J.L., Showalter, C.K., Burkhart, R.L., Shuman, F.G.D. The status of quality assurance for computed tomography systems 4−49151

McCroskey, L.A. Manual and automated control of multi-channel theater sound systems 4−55114

McCullagh, P. Generalized linear models 4−40919

McCulley, W.E. *see* Gragg, J.E. 4−61366

McCullough, A.W., Sewell, H. Deep ultraviolet high resolution lithography 4−36386

McCullough, V.A., Ketvirtis, A. Vertical illuminance as a criterion for energy-effective tunnel lighting design 4−57536

McCune, E. SAW filters improve channelized receivers 4−38430

McCune, E. Klystrons for plasma heating in lower hybrid resonance. Present and future applications 4−46761

McCune, E.W. Ion oscillation considerations for pulsed klystron amplifiers 4−36224

McCune, E.W. *see* Chakraborty, D. 4−50982

McCurley, K.S. Explicit estimates for the error term in the prime number theorem for arithmetic progressions 4−29403

McCurley, K.S. Explicit estimates for $\theta(x; 3,l)$ and $\psi(x; 3,l)$ 4−29404

McCuskee, L.B. *see* Puri, D. 4−34805

McDanel, R.J., Brooks, C.L. Computerized distribution planning 4−34114

McDaniel, F.D. *see* Wilson, S.R. 4−51750, 4−58715

McDermid, I.S. *see* Pacala, T.J. 4−31289

McDermott, D.B. Effect of velocity spread on finite-length free electron laser gain 4−59373

McDermott, D.B., Furuno, D.S., Luhmann, N.C., Jr. Enhancement of high-harmonic gyrotron gain by a dielectric rod 4−41771

McDermott, D.B., Furuno, D.S., Luhmann, N.C., Jr. Enhancement of high-harmonic gyrotron gain by a dielectric rod 4−58688

McDermott, D.B., Furuno, D.S., Luhmann, N.C., Jr., Vitello, P. Design and operation of high-harmonic gyrotron oscillators and gyro-klystron amplifiers 4−36193

McDermott, D.B., Luhmann, N.C., Jr., Furuno, D.S. Operation of a high-harmonic gyrotron 4−41774

McDermott, D.B., Luhmann, N.C., Jr., Furuno, D.S., Kupiszewski, A., Jory, H.R. Operation of a millimeter-wave harmonic gyrotron 4−58691

McDermott, D.B. *see* Furuno, D.S. 4−41768

McDermott, J. Distributor value-added design services help shorten product-development cycles 4−40819

McDermott, J. Improved conductive-component materials help industry satisfy EMI regulations 4−47629

McDermott, J. System reconfiguration for functional fault tolerance in ICNIA 4−49393

McDermott, J. Industrial interconnect devices 4−58598

McDermott, L.F. *see* Duffy, D.D. 4−40844

McDermott, R.M. ITT's testability analysis program 4−52170

McDermott, R.M. *see* Close, A.D. 4−52165

McDonald, A., Jennings, P. A microelectronic gate array designed to give efficient automated circuit implementations 4−29831

McDonald, A. *see* Jennings, P.I. 4−29761, 4−58251

Macdonald, B. *see* Tam, K.C. 4−39540

McDonald, B.S. *see* Frazier, G.R. 4−51376

McDonald, C.F., Goodjohn, A.J. Very small HTGR nuclear power plant concepts for special terrestrial applications 4−34317

McDonald, C.F., Sonn, D.L. A new small HTGR power plant concept with inherently safe features−an engineering and economic challenge 4−49688

McDonald, C.W., O'Hanlon, T.W. Nuclear heat source design for an advanced HTGR process heat plant 4−40013

MacDonald, D. Emerging cellular systems in North America 4−43968

McDonald, D.B., Jonah, C.D. Amplification of picosecond pulses using a copper vapour laser 4−52914

McDonald, D.C. *see* Piotrowski, A. 4−55805

McDonald, D.D. Copyright can survive the new technologies 4−45817

McDonald, G. *see* Wierzbicki, M. 4−32759

McDonald, G.C. *see* Gupta, S.S. 4−40928

MacDonald, J.A. *see* Bryman, D. 4−33632

Macdonald, J.A. *see* Streat, N. 4−49807

McDonald, J.D., Thomas, S.A. Distribution system management with dispersed microprocessor-based control by AM piggyback 4−48388

McDonald, J.D., Thomas, S.A., Martinez, L. Distribution system management using dispersed microprocessor-based controls by AM piggyback 4−34099

MacDonald, J.R. Note on the parameterization of the constant-phase admittance element 4−46322

McDonald, J.S. *see* Dzwonczyk, R. 4−61794

MacDonald, K.R., Feinberg, J., Ming Zheng Zha, Gunter, P. Asymmetric transmission through a photorefractive crystal of barium titanate 4−47328

Macdonald, M. *see* Roberts, L. 4−46421

MacDonald, R.I., Lam, D.K.W., Hum, R.H., Noad, J.P. Monolithic array of optoelectronic broad-band switches 4−42482

MacDonald, R.I. *see* Lam, D.K.W. 4−43914

McDonald, T.A. *see* Senda, Y. 4−34326

Macdonald, T.J., Jones, H.L. GPS equipments for test range applications 4−38738

Macdonald, T.J. *see* Jones, H.L. 4−48533

Macdonald, V.H. *see* Halpern, S.W. 4−38492

McDonald, W.J., Hickok, H.N. Energy losses in electrical power systems 4−62109

McDonnell, D.G. *see* Bone, M.F. 4−48976

McDonnell, J.A.M. *see* Dixon, D.G. 4−33605

McDonnell, M., Georganas, N.D. Combined mobile telephone and dispatch services in a cellular land-mobile radio system 4−43978

McDonough, G. *see* Rossi, E.M. 4−31015

McDonough, M. *see* Emma, T. 4−46241

McDowell, A.W., Newkirk, G.L. Problem determination/isolation using a reversible circuit card 4−41685

McDowell, W.J. *see* McKlveen, J.W. 4−56023

Macduff, I.B. Strain gauge tests on rotating and stationary components 4−33284

Macek, O. Semiconductor switches compared 4−41653

McEliece, R.J., Rodemich, E.R. A study of optimal abstract jamming strategies vs. noncoherent MFSK 4−31836

McEliece, R.J. *see* Goodman, R.M.F. 4−41361

McElroy, D. *see* Lawson, J. 4−61223

McElroy, J.F. *see* Nuttall, L.J. 4−40571

McElroy, J.J. The engineering flight simulator: a resource essential to flight management system development and certification 4−44829

McElroy, W.N. *see* Gold, R. 4−39459

McElvanney, S.G., Norman, P., Catchpole, R.J. Design and performance of digital transmission systems operating on metallic pairs 4−38165

McElwee, R. Data General's CEO improves the quality of office life 4−47977

McEvoy, N.A. *see* Jackson, A.M. 4−32459, 4−43096

McEwan, S., Sims, P. Computer graphics in practice [for TV] 4−54995

McEwen, C.D., Khan, M.R. A flat plate antenna using dielectric wedges for beam steering 4−37759

MacEwen, G.H., Burwell, B., Lu, Z.-J. Multi-level security based on physical distribution 4−54079

McFadden, B.L. *see* Lucci, A.D. 4−39668

MacFadyen, N.M. *see* Hunter, J.M. 4−47971

McFarland, J.L. *see* Ajioka, J.S. 4−37765

MacFarland, R.C., Gephard, R.H. Automatic bonders simplify LSI computer manufacturing 4−51689

McFarland, S.R., Phillips, G.N., Bernett, J.M. A methodology for the quantification of evaluative data to promote effective utilization 4−49109

McFarland, T.K. *see* Bell, R.K. 4−41398

McFarlane, A. *see* Ascroft, R. 4−57726

MacFarlane, D. *see* Macfarlane, P.W. 4−49278

McFarlane, I. Inline multichannel reflectance measurement using a 6801 series microcomputer 4−48722

McFarlane, J.A. *see* Lewin, I. 4−57514

Macfarlane, J.C. *see* Compton, R.C. 4−37147

Macfarlane, P.W., MacFarlane, D., Marriott, M., Podolski, M., Shoat, D., Watts, M.P., MacKechnie, S.G., Tweddel, A., Lawrie, T.D.V. Computers in investigative cardiology 4−49278

Macfarlane, P.W. *see* Quetglas, G.M. *(editor)* 4−49233

McFate, K.L. Meeting energy requirements for future food supplies 4−62890

McFee, J.E., Chesney, R.H., Das, Y., Toews, J., Turnbull, M., Pinnell, R., Bell, M. Experimental time domain electromagnetic induction system 4−48726

McFee, J.E. *see* Das, Y. 4−56272

McFeely, F.R. *see* Morar, J.F. 4−51999

McFerran, J.R. The Australian teletext experience 4−54261

McFillin, J.F., Jr., Van Brocklin, S.T., Beakley, J.E., Netzer, D.W. Dual-chamber rocket motor operating characteristics 4−44892

McGaffey, R.W., Meszaros, P.S., Whealton, J.H., Raridon, R.J., McCollough, D.H. End effects in slot extraction for a SITEX negative ion source 4−61655
McGaffey, R.W. *see* Whealton, J.H. 4−61654
McGaffigan, T.H. *see* Flot, R.F. 4−58606
McGahey, D.D. *see* Foti, S.J. 4−59862
McGee, M.C. *see* Williamson, F.R. 4−54879
McGeechan, S., Slade, D. Surface acoustic wave device and their application in military communications and electronic warfare 4−36980
McGeehan, J.P., Bateman, A.J. Phase-locked transparent tone-in-band (TTIB): a new spectrum configuration particularly suited to the transmission of data over SSB mobile radio networks 4−32694
McGeehan, J.P. *see* Bateman, A.J. 4−43979
McGeehan, J.P. *see* Gladstone, K.J. 4−38474
McGeehan, J.P. *see* Sladen, J.P.H. 4−54640
McGeoch, M.W., Schlier, R.E. Experimental investigation of volume Li^- production 4−61639
McGhee, C. Building birds in Bavaria [satellites] 4−40840
McGhee, C. Banking on twisted pairs [telebanking] 4−43714
McGhee, C. No place too remote for a quote [telematic service] 4−48294
McGhee, C. Nordic alignment [satellite TV equipment] 4−48544
McGhee, C. A Coronet for the Grand Duchy [satellite TV] 4−60753
McGhee, D.G. *see* Praeg, W.F. 4−59777
McGhee, S. *see* Peck, M. 4−31087
McGill, K.C., Dorfman, J.L. High-resolution alignment of sampled waveforms 4−49198
McGill, K.C., Dorfman, L.J., Cummins, K.L. Automatic decomposition of the electromyogram 4−56138
McGill, T.C. *see* Smith, D.K. 4−41871
McGillem, C.D. *see* Pomalaza-Raez, C.A. 4−47849
McGillis, D. *see* Baribeau, M.A. 4−34071
McGillis, D.A. Lithography 4−42124
McGillivray, R.M., Wald, R.W. Measurement of the maximum rate of rise of the cardiac action potential $\dot{V}_{max}$ 4−39569
McGinley, P.H., McCranie, E. The sensitivity of two remmeters to leakage X-rays from medical accelerators 4−33862
McGinn, D.P., Johnson, D.H. Estimation of all-pole parameters from noise-corrupted sequences 4−37977
McGinn, J.T., Jastrzebski, L., Corboy, J.F. Defect characterization in monocrystalline silicon grown over SiO_2 4−29484
McGinnis, M.S. *see* Badami, D.A. 4−41932
McGlade, S.M., Jones, G.R. An optically powered vibrating quartz force sensor 4−61382
McGlade, S.M. *see* Collier, M.J. 4−62674
McGlinchy, M. 4-throw TTL switch debounces too 4−29960
McGonigal, G.C. *see* Card, H.C. 4−36323
McGough, J. Effects of near-coincident faults in multiprocessor systems [flight control system reliability] 4−49400
McGowan, G. Comments on 'A simple power series for radiation resistance of center-fed dipoles' 4−47687
McGowan, J.T. The measurement of torsional impulse using in-bore telemetry techniques 4−48767
McGowan, J.W. *see* Gecim, H.S. 4−47077
McGowan, N. A detector to investigate the anomalous component of cosmic rays and its rarer constituents including a possible molecular ion component 4−55854
McGowan, R.S., Larson, R.S. Relationship between static, flight, and simulated flight jet noise measurements 4−55767
McGowan, T.K. The economic analysis of lighting systems with controls 4−62814
McGowan, T.K. *see* Hammer, E.E. 4−57519
McGoye, D.A. *see* Kasouf, G. 4−46039
McGranaghan, M.F., Reid, W.E., Law, S.W., Gresham, D.W. Overvoltage protection of shunt-capacitor banks using MOV arresters 4−62716
McGranaghan, M.F. *see* Bonner, J.A. 4−49610
McGrath, J.D. *see* Kindig, W.G. 4−46037
McGrath, M., Ballinger, D. Gateway to a digital world [telephony] 4−43868
McGrath, P.B. *see* McKenny, P.J. 4−42182
McGrath, R.D., Freeman, J.W., Janesick, J. An 8 megapixel/sec 800×800 virtual phase CCD imager for scientific applications 4−37229
McGrath, R.D., Freeman, J.W., Keenan, W.F. A 1024×1024 virtual phase CCD imager 4−39082
McGraw, J.T., Stockman, H.S., Angel, J.R.P., Epps, H., Williams, J.T. CCD/transit instrument deep photometric and polarimetric survey−a progress report 4−39072
McGraw, M.G. Mobile equipment again in the spotlight 4−34031
McGree, T.P. Signal sets with optimal correlation properties 4−37810
McGree, T.P., Cooper, G.R. Upper bounds and construction techniques for signal sets with constrained synchronous correlation and specified time-bandwidth product 4−43322
McGregor, A.R. *see* Andrews, R.M. 4−33991
MacGregor, D., Mothersole, D., Winpigler, D. 32-bit microprocessor reaps the benefits of a host of enhancements 4−58357
McGregor, D.R. *see* Mariani, J.A. 4−43697
MacGregor, G.A. Multiple unit moving display systems 4−33180
McGregor, P., Mena, J., Salama, C.A.T. Small-signal high-frequency performance of power MOS transistors 4−47053
McGuinness, R. *see* Holt, A.R. 4−47600
McGuire, A., Westoby, R. Factor substitution in nuclear and fossil-fueled electricity generation in England and Wales 4−49532
McGuire, M.D. *see* Cutler, L.S. 4−39001
McGuire, T.R. *see* Giess, E.A. 4−37550
McGuire, T.W. *see* Dubrovsky, V. 4−44308
Machado, H.B., Emilia, M., Silva, P., Dower, G.E. QRS contour analysis on a tridimensional vectorcardiographic display−the spherocardiogram 4−49242
Machado, H.Bastos *see* Bastos Machado, H.
McHale, J.R. Peak load determines optimal OA design 4−47948
McHale, M.C. *see* Wojciechowski, J.A. 4−32178
McHarg, J. *see* Mather, J. 4−62684
Machelett *see* Ertmer 4−56424
McHenry, R. *see* Aprile-Giboni, E. 4−55812
Machet, J. *see* Gerbier, M.M. 4−31093
Machias, A.V., Dialynas, E.N. Optimal stabilisation of a multi-machine power system through the matrix sign function theory 4−62113
Machias, A.V., Papadias, B.C. Boundary of power system asymptotic stability by Lyapunov's direct method and boundary singular points 4−49516
Machias, A.V. *see* Dialynas, E.N. 4−34094
Machida, K. *see* Morimoto, T. 4−42176
Machida, M. Computer graphics and animation as applied to television program production 4−44238
Machida, S. *see* Sakai, J.-i. 4−37132
Machihara, F. On the carried traffic estimate errors for delay systems 4−53978
Machulin, I.N., Miroshnichenko, V.P., Rodionov, B.U., Chepel', V.Yu., Rostovtsev, A.A., Mashinin, V.A., Skachkov, E.V. Feasibility of precision spectrometry of 1-MeV electrons in liquid xenon 4−61718
Machuzak, J.S., Woskoboinikow, P., Mulligan, W.J. High-power pulsed operation of the NH_3 laser on transitions between 100 and 300 μm 4−42562
Maciejewski, H. Possibilities to improve the operation of condensing equipment in power plants 4−56826
Maciejewski, P., Bergmann, M., Litke, H.-D. Are Btx inhouse systems viable? [Bildschirmtext] 4−43701
Maciejewski, P., Bergmann, M., Litke, H.-D. Innovation is expensive, ignorance may cost everything [Bildschirmtext] 4−48070
Maciejewski, P. *see* Bullinger, H.J. 4−54180
Maciejewski, Z., Grzadzielski, I. Application of a direct stability evaluation method of an electric power system represented by a model with losses 4−49505
McIlrath, T.J. *see* Bonin, K.D. 4−59452
McInerney, J., Reekie, L., Bradley, D.J. Observation of bistable optical effects in a twin GaAs/GaAlAs diode external cavity ring laser 4−47458
McInerney, W.F. *see* Campbell, P.H. 4−56169
McInnis, B.C., Guo, Z.W., Lu, P.C., Wang, J.C. Adaptive control of left ventricular assist devices 4−49319
McIntosh, J.R. Interactive printed circuit board design 4−51621
McIntosh, R.E. *see* Pozar, D.M. 4−53272
McInturff, A.D. Superconducting metals and alloys help further 'science of the impossible' 4−59173
McIntyre, C. Everything reminds me of teletext 4−48134
McIntyre, I.A., Dunn, M.H. An inexpensive optical spectrum analyser for measuring laser linewidths 4−31457
McIntyre, I.A., Dunn, M.H. Amplified spontaneous emission in distributed feedback dye lasers 4−47434
McIntyre, N.S. *see* Braunovic, M. 4−41634
McIntyre, N.S. *see* Heimann, R.B. 4−29513
McIntyre, R.J. *see* Petrillo, G.A. 4−39450
MacIntyre, W. *see* Pavlicek, W. 4−61847
Maciol, H. *see* Schmidt, K. 4−54969
MacIver, B.A., Jain, K.C. j-MOS: a versatile power field-effect transistor 4−42060
McIver, J.C. *see* McNutt, W.J. 4−57122
McIver, J.K. *see* Becker, W. 4−47388
Mack, G.W. *see* Scheck, D.E. 4−61234
Mack, I.A., Lin, H.C. Modeling the body effect of a short channel MOSFET 4−36615
Mack, J.M. *see* Hsu, H.H. 4−39446
Mack, M.E. Wafer cooling in ion implantation 4−41974
Mack, M.R. *see* Thuan, N.K. 4−49968
Mack, R.B. *see* Damaskos, N.J. 4−42833
Mack, S.S. Clinical engineering in a decentralized institution 4−49339
Mackawa, S. *see* Hinamoto, T. 4−58459
Mackay, D.M. On-line source-density computation with a minimum of electrodes 4−33844
Mackay, G.I., Schiff, H.I., Hastie, D.R. The use of a tunable diode laser absorption spectrometer for measuring trace gases in tropospheric air 4−61918
Mackay, H.J. *see* Vanherzeele, H. 4−52926
McKay, I.H. *see* Brandt, D.P. 4−45076
McKay, J.A. *see* Herbelin, J.M. 4−37410
McKeag, R.M. *see* Hull, M.E.C. 4−43729
McKeague, I. On the converse to the coding theorem for the continuous time white Gaussian channel with feedback 4−43016
MacKechnie, S.G. *see* Macfarlane, P.W. 4−49278
McKee, H.D. Microwave antenna/waveguide installation planning 4−31772
McKee, H.D. Interface planning debugs your system [antenna/waveguide systems] 4−57771
McKee, J.E., Miller, D.E. A 120000 pixel, high resolution, self scan memory plasma display 4−51723
McKee, K. Tuning out the CRTC−Alberta 'tunes in the world' [cable TV regulation] 4−55011
McKee, O. *see* Kao, H. 4−37955
McKee, O. *see* Mammone, R.J. 4−37958
McKee, R.C. Enhanced quantum efficiency of Pd_2Si Schottky infrared diodes on ⟨111⟩ Si 4−48900
McKee, R.J. Track reconstruction of normal muon decays in the LAMPF TPC: one working scheme 4−33650
McKee, S. *see* Cameron, R.F. 4−50724
McKee, W.P., Jr. The DSN and the Worldwide Digital System Architecture 4−38177
McKeithan, B.G., Kfoury, N.S. Increasing electric power plant productivity through maintenance management 4−45026
McKen, D.C.D. *see* Small, L.L. 4−58675
McKen, D.C.D. *see* Tomov, I.V. 4−59605
McKendrick, D. *see* Hoy, H.R. 4−34434
MacKenna, C. Bus controller chip lets processor board switch master and slave roles 4−51358
McKenna, M., Angspurger, G.L. Bearsville's Control Room B−remodelling for the 80's 4−33048
McKenna, S.D. *see* Aoki, D.J. 4−32581
McKenny, P.J., McGrath, P.B. Anomalous positive point prebreakdown behavior in dielectric liquids 4−42182
Mackenthun, K. *see* Fang, R. 4−32772
McKenzie, A.L. Lasers in surgery and medicine 4−49303
MacKenzie, H.A., Wherrett, B.S., Alattar, H.A., Yuen, S.Y. Near-resonant non-degenerate four-wave mixing in InSb 4−37446
McKenzie, R. *see* Lord, D. 4−45338
McKenzie, T.M. *see* Braun, W.R. 4−32788, 4−38506
McKeown, G.P., Rayward-Smith, V.J., Roper, B.M. Combinatorial optimization 4−50687
McKerrell, A., Delves, L.M. Solution of the global element equations on the ICL DAP 4−41020
Mackert, W. *see* Kassing, R. 4−36248
Mackevich, J.P. Use of heat shrinkable cable accessories to enhance maintenance and minimize downtime 4−62107
Mackey, L.A. Using Manchester encoded data transmission for ROV telemetry 4−48055
Mackey, L.A., Stenovec, G.M. Development of simplified innovative pilot display and control systems for modular remotely operated vehicles (ROV) 4−61974
McKibbin, W.L. Printing with light: the new laser systems 4−53116
McKibbin, W.L. A changing market for PC modems 4−54478
McKie, J. *see* Hagen, T. 4−43787
McKie, J.W. The fossil fuel industries and energy policy, 1973-83 4−39978
McKinley, B.J. *see* Copper, J.F. 4−40416
McKinney, K., Mongeau, P. Multiple stage pulsed induction acceleration 4−42784
McKinney, T.H. Evolutionary plans for the System Century Digital Central Office 4−32580
McKinney, T.M. *see* Goldberg, I.B. 4−58509
McKinnon, K.I.M. *see* Berry, L.T.M. 4−47958
MacKinnon, S., Akl, S.G. New key generation algorithms for multilevel security 4−37860
Macklin, J.J. *see* Wood, O.R., II 4−47402
McKlveen, J.W., McDowell, W.J. Liquid scintillation alpha spectrometry techniques 4−56023
McKnight, A.J., Mun, J., Vance, I.A.W. Wideband programmable transversal filter 4−51408
McKnight, D.R. *see* Shea, P.R. 4−32277
McKnight, W.H. *see* Whitehouse, H.J. 4−60018
Mackor, A. *see* 't Lam, R.U.E. 4−37206
Mackowiak, K. *see* Pienkowski, M. 4−46379
Mackowiak, M. *see* Florkowski, W. 4−48812
Mackrell, P.E. Intruder alarm 4−46397
Mackuliak, D., Rajniak, I. Measurement of two-phase and two-component mixtures by means of a radiometric method 4−61596
McLane, P. *see* Seary, J. 4−31895
McLane, P.J. *see* Ho, P. 4−43087
McLane, P.J. *see* McLellan, R.W. 4−32646
McLane, P.J. *see* Thorpe, J.B. 4−31884
McLane, P.J. *see* Wittke, P.H. 4−31843

McLaren, C. Data logging at a distance 4—33190
McLaren, S.G. Multivariable system laboratory experiment 4—29160
McLaurin, A.P., Jones, E.R., Cathey, L. VISIDEP (TM): a three-dimensional imaging system for the unaided eye 4—61252
MacLaurin, B. *see* Ingrey, S. 4—46973
Maclay, W.N. Operational amplifiers—their semi-custom chip 4—29671
Maclean, D.J.J. Stability margins in microwave amplifiers 4—36045
MacLean, M.J.L., Findlay, R.D. A digital device for measurement of angular velocity and torque angle for the analysis and control of an electric machine 4—33488
McLean, N.S. Latest advances in leadless placement technology 4—50549
MacLean, S.G. *see* Couillaud, B. 4—42705
McLeary, R., Beckwith, P.J. Characteristics of a plasma-injection-controlled discharge for CO_2 mixing lasers 4—42561
McLeish, D. Operating experience with the HWP-300 on Orkney 4—45372
McLellan, E. *see* Simcoe, B. 4—58388
McLellan, R.W., Peppard, L.E., McLane, P.J. A single-chip implementation of a programmable I and Q receiver for bandwidth-efficient modulations 4—32646
McLendon, T.R., Martel, R.A. Combustion retorting of oil shale at low void volumes 4—35107
McLeod, A.I. The cargo-loading or knapsack problem by dynamic programming 4—40970
McLeod, B.M. *see* Ushida, N. 4—56030
Macleod, H.A. Thin film optical coatings 4—42444
McLeod, P.S., Partain, L.D., Sawyer, D.E., Peterson, T.M. Photoconductivity of sputtered Cu_xS films 4—59304
McLeod, P.S. *see* Fraas, L.M. 4—50076
McLeod, R.D. *see* Mbewe, D.J. 4—42483
McLeod, R.G., Jafek, B.J. Solving environmental problems with satellite imagery 4—49443
McLeod, T.S. The management of computer aids to design, manufacture and testing in a large electronics company 4—45901
McLevige, W.V. *see* Yuan, H. 4—51169
Maclin, C.S. An overview of diving, salvage, offshore pollution abatement, and underwater ship maintenance 4—61958
McLintock, R.W., Kearsey, B.N. Error performance objectives for digital networks 4—60321
Mclintock, R.W. *see* Kearsey, B.N. 4—60323
McLuckie, I. Advanced communications for sheltered housing 4—43970
McLyman, W.T., Bridgeforth, A.O. Development of a rotary power transformer and inverter drive for spacecraft 4—34725
McMahan, M.L. *see* Bucy, J.F. 4—35855
McMahon, A.M. Network traffic planning in changing times 4—43585
McMahon, D.C. ZX burglar alarm 4—41429
McMahon, G.W. *see* Armstrong, B.A. 4—38692
McMahon, J.M. *see* Giallorenzi, T.G. 4—42498, 4—59225
McMahon, R.A., Ahmed, H., Godfrey, D.J., Pitt, M.G. Application of electron beams in thermal processing of semiconductor materials and devices 4—41939
McMahon, R.A. *see* Hopper, G.F. 4—42154
McMahon, T. *see* Astbury, A. 4—33756
McMahon, T.A. *see* Griffith, R.V. 4—55901
McMahon, T.J., Yacobi, B.G., Sadlon, K., Dick, J., Madan, A. Excess dark currents in a-Si:H p-i-n devices 4—58823
McMahon, T.J. *see* Yacobi, B.G. 4—57364
McMain, A.T., Jr., Mears, L.D., Armistead, J.M., Mulligan, J.B. A variable cogeneration HTGR for repowering Gulf Coast refinery/petrochemical plants 4—50265
McManamon, P.M. *see* Jennings, R.D. 4—32745
McManigal, D.F. Adaptive vector end timing control 4—48749
McManis, G.E., Miles, M.H., Fletcher, A.N. Performance and discharge characteristics of Ca/LiCl, $LiNO_3/LiNO_3$, $AgNO_3$/Ni thermal battery cells 4—34819
McManus, J.L. *see* Veatch, M.H. 4—49427
McMaster, R.H. *see* Herel, E.H. 4—40869
MacMedan, M.L. Standard methods for telemetry and telecommand channel coding 4—48462
McMeen, G.R. Developing computer literacy workshops for college faculty 4—45861
McMenamin, P.G., Fitzpatrick, G.J. Network survivability: evaluation through exposure 4—54066
Macmichael, D.B.A. The YES-MAN robot in CAE applications 4—51638
McMichael, I.C. *see* Diels, J.C. 4—53063
McMichael, I.C. *see* Diels, J.-C. 4—59468
McMillan, B.W. Hydro power—maintenance of hydro plant 4—45354
MacMillan, D., Gheewala, T. Learn gallium-arsenide basics before applying high-speed ICs. I 4—29768
MacMillan, D. *see* Gheewala, T. 4—41267
McMillan, D.J. *see* Prewett, P.D. 4—36379
McMillan, E.G. A USA airline view of TCAS 4—33942
McMillan, G.B., Shannon, J.M., Ahmed, H. Annealing of shallow ($R_p \approx 20$ nm) boron-implanted layers in silicon using electron beams 4—51985
McMillan, G.B., Smith, D.J., Gowers, J.P., Ahmed, H. Transmission electron microscopy and high resolution electron microscopy studies of shallow ($R_p \sim 20$ nm) As and B implanted and electron beam annealed silicon 4—41950
McMillan, I.D. Vapour phase vs. infrared heating for in-line solder reflow 4—50523
McMillan, J.A. *see* Potts, J.E. 4—58052
McMillan, J.L., Robertson, S.C. Cutoff wavelength determination in single-mode optical fibres by measurement of equalisation wavelength 4—59212
McMillan, J.L., Robertson, S.C. Single-mode optical fibre sensors 4—59223
McMillan, R.W., Brady, V.T., Rosenberg G.W., Kirkman, G.F. A millimeter wave radio frequency system for atmospheric turbulence measurements 4—44918
McMillan, R.W. *see* Bohlander, R.A. 4—37593
McMillan, R.W. *see* Gagliano, J.A. 4—39300
McMillan, R.W. *see* Rosenberg, G.W. 4—36197
McMillen, G.R., Shafi, M., Taylor, D.P. Simultaneous adaptive estimation of carrier phase, symbol timing, and data for a 49-QPRS DFE radio receiver 4—48381
McMordie, R.K. Convection heat loss from a cavity receiver 4—62465
McMullan, D. *see* Rodenburg, J.M. 4—41800
MacMullen, A. *see* Pollon, G.E. 4—54876
McMullen, C.T. *see* Brayton, R.K. 4—51184, 4—51187
MacMurray, A.C. *see* Dockswell, S. 4—45943
McMurray, S., III *see* Zabar, Z. 4—62637
McMurray, W.R., Kritzinger, J.J., Wikner, V.C., Swart, T., Schmitt, H. A 0.2 ns beam pulse for the 6 MV Van de Graaff accelerator 4—33585
McNabb, J.Y. The application of CAD/CAM technology to hydraulic turbine runners 4—49804
MacNair, E.A. *see* Sauer, C.H. 4—38286
McNair, H.R. *see* Clum, K.L. 4—59695, 4—59701
McNally, G.W. Dynamic range control of digital audio signals 4—48647
McNally, G.W., Gaskell, P.S. Editing digital audio 4—53719
McNally, P.J. Ion implantation of boron in GaAs MESFETs 4—36433
McNamara, J.H., Meras, J.E., Philip, S.F. Testing of power cables for the pulp and paper industry 4—50270
McNee, S.G. *see* Main, C. 4—33794
McNeece, J.P., Gold, R., Preston, C.C., Roberts, J.H. Automated scanning of solid state track recorders: computer controlled microscope 4—39462
McNeece, J.P. *see* Gold, R. 4—55896
McNeece, J.P. *see* Preston, C.C. 4—39464
McNeece, J.P. *see* Roberts, J.H. 4—39463, 4—55919
McNeil, J.H. *see* Botham, G.J.M. 4—50161
McNelly, T.F. *see* Cohen, S.S. 4—58792
McNevin, S.C., Becker, G.E. CF_4/silicon surface reactions: evidence for parallel etching mechanisms from modulated ion beam studies 4—36469
McNevin, S.C., Becker, G.E. CF_4/Si surface reactions: evidence for parallel etching mechanisms from modulated ion beam studies 4—46946
McNichol, J.J. *see* Adler, E. 4—46464
McNicoll, Y., Crine, J.-P., St.-Onge, H. Contact angle measurements in polyethylene and high-voltage extruded cables 4—34212
McNiff, E.J. *see* Schwall, R.E. 4—52479
McNulty, P.J., Shirkey, W.D., Palmer, S.R., Wipasuramonton, O., Filz, R.C. Low energy proton measurements using CR-39 4—55884
McNutt, W.J., McIver, J.C., Leibinger, G.E., Fallon, D.J., Wickersheim, K.A. Direct measurement of transformer winding hot spot temperature 4—57122
McNutty, P.T. *see* Harker, S.C. 4—50268
Macovski, A. *see* Bresler, Y. 4—53921
McOwen, S.A. *see* Dormail, J. 4—30113
McPartland, J.F. Illustrated changes in the 1984 National Electrical Code 4—29178
McPartland, J.F. Illustrated changes in the 1984 National Electrical Code. II 4—35220
McPartland, J.F. Anatomy of an all too common disaster—motor burnout on single phasing 4—40200
McPeters, D.L., Tharp, A.L. The influence of rule-generated stress on computer-synthesized speech 4—47795
McPhail, T.L. Canada's DBS woes: culture or profit 4—32748
McPhedran, R.C. *see* Compton, R.C. 4—37147
MacPherson, C.C. *see* Gray, R.K. 4—52014
McPherson, G. *see* Astbury, A. 4—33756
McPherson, G., Jr. *see* Hu, M.-Z. 4—57013
McPherson, J. Audible reversing alarm 4—50188
McQueen, D.H. *see* Fondberg, L. 4—56084
McQueen, J.E., Jr. 160 meters plus: a no-sacrifice 160 meter conversion for the Heath SB-201 and SB-200 amplifiers 4—46351
McQueen, J.E., Jr. *see* Rowland, C.B. 4—59857
McQueen, J.M. Controllers help billet furnace run at 54% efficiency 4—44634
McQueen, P.D. *see* Atkins, P. 4—44180
McQuillan, J.M. Long distance data networks 4—32385
MacRae, A.E PBX technologies 4—43867
McRae, D.D. Avalanche communications—a robust HF relay technique for stressed channels 4—32687
McRae, I. *see* Deans, C.D.P. 4—52752
Macri, J. *see* Schonfelder, V. 4—33779
Macris, A.C., Chidley, R.E. NRC control room design review audits: a contractor's perspective 4—62308
M'saad, M. *see* Dahhou, B. 4—40667
Macsek, F. *see* Frank, R. 4—35443
McShane, I.E. *see* Campbell, J.J. 4—34657
McSharry, M.E. Fault tolerant flight control avionics integration using MIL-STD-1553B 4—49395
McSparran, R.A. *see* Barcomb, J.G. 4—58149
McSweeney, A. *see* Bohlander, R.A. 4—44917
Mactaggart, I.R., Jack, M.A. A single chip radix-2 FFT butterfly architecture using parallel data distributed arithmetic 4—51286
Macura, A. *see* Rutkowski, J. 4—35600
Macura, P. Optoelectronic transfer system with pulse width modulation 4—48824
McVerry, F. *see* Clark, A.P. 4—38375
McVey, J.B. Calculational models of close-spaced thermionic converters 4—34948
McVey, J.B. *see* Dick, R.S. 4—34947, 4—40495
McVey, J.M. Pulse generator for level sensitive logic 4—46432
McVicker, C.P., Nguyen, L.T. Ceramic magnet voice coil motor 4—34698
McVittie, J.P. *see* Singh, H.J. 4—36617
McWalter, I. *see* Caves, T. 4—32517
McWhirter, J.G. Recursive least-squares minimization using a systolic array 4—53595
McWhirter, J.G. *see* McCanny, J.V. 4—53596
McWhirter, J.G. *see* Ward, C.R. 4—60112
McWhorter, L. *see* Clark, D. 4—57899
McWilliams, J.K., Srinath, M.D. Performance analysis of a target detection system using infrared imagery 4—32843
MacWilliams, P.D. Serial bus simplifies distributed control 4—60487
McWilliams, T.M. *see* Harding, W.C. 4—46498
Maczka, D. *see* Latuszynski, A. 4—36447
Maczynski, E. *see* Domzalski, T. 4—45495
Mada, J. *see* Yamagishi, K. 4—59157
Madala, H. A new harmonical algorithm for digital signal processing 4—53702
Madala, H., Johansson, S. Some experimental results of digital signal processing 4—60151
Madama, G. LT users' plant—economic advantages of power factor correction 4—34052
Madama, G., Sanvito, E. Anticipated improvements in the performance of metallised polypropylene power capacitors 4—41616
Madan, A. *see* Konenkamp, R. 4—59345
Madan, A. *see* McMahon, T.J. 4—58823
Madan, A. *see* Yacobi, B.G. 4—57364
Madan, P., Huang, W., Kao, C., Yu, A. Bit-oriented coprocessor resolves incompatibilities of small and large networks 4—58356
Madaras, R.J. *see* Iwasaki, H. 4—33647
Madarasz, F.L., Woody, W.R. Time dependence of optical absorption in *np*-layered superlattice structures 4—51831
Madash-Dobler, M., Pimz, G. Programmable power system telecontrol apparatus 4—56422
Madash-Dobler, M., Pints, G. Programmed devices for power system telecontrol 4—56405
Madden, J.A. *see* Kao, W.H. 4—36899
Madden, N.W. *see* Goulding, F.S. 4—33703
Madden, N.W. *see* Loo, B.W. 4—55401
Madden, N.W. *see* Varnell, L.S. 4—33778
Maddigan, R.J., Chern, W.S., Rizy, C.G. Rural electrification—its future in the USA 4—56383
Madding, R.P. Infrared sensors and process control 4—55243
Maddox, M.E. The interpretation of human factors design criteria for nuclear power plant control room reviews 4—45242
Maddox, M.E. *see* Johnson, W.B. 4—40755
Madec, Y. Digital transmission on metallic cable pairs 4—32489
Madel, D. Radiorecorders KR 650 and KR 660 4—61158
Madelung, O. *(editor)* Landolt-Bornstein numerical data and functional relationships in science and technology. New series. Group III: Crystal and solid state physics. Vol.17. Subvol.a. Physics of group IV elements and III-V compounds 4—29117
Madelung, O. *(editor)* Landolt-Bornstein numerical data and functional relationships in science and technology. New series. Group III: Crystal and solid state physics. Vol.17. Semiconductors. Subvol.b. Physics of II-VI and I-VII compounds, semimagnetic semiconductors 4—29118
Madelung, O. *(editor)* Landolt-Bornstein numerical data and functional relationships in science and technology. New series. Group III: Crystal and solid state physics. Vol.17. Semiconductors. Subvol.e. Physics of non-tetrahedrally bonded elements and binary compounds I 4—29120

Madelung, O. *(editor)* Landolt-Bornstein numerical data and functional relationships in science and technology. New Series. Group III: Crystal and solid state physics. Vol.17. Semiconductors. Subvol.f. Physics of non-tetrahedrally bonded binary compounds II 4—29121
Maden, D. *see* Bertl, W. 4—33757
Mader, H. Logic analysis in practice. VII. Logic analysis in the automatic test system 4—39126
Mader, J., Bevilacqua, O., Carter, C. A range meter for electric vehicles 4—40581
Mader, J., Bevilacqua, O., Carter, C. A range meter for electric vehicles 4—45705
Mader, P. Programable digital word generator with pattern comparison 4—31921
Mader, W.R. *see* Ehrmann-Falkenau, E. 4—52386
Maderbacher, F. Chip trio for personal LANs 4—29751
Maderbacher, F. Radiation experts 4—33893
Maderbacher, F. μP-friendly DACs 4—41410
Maderbacher, F. Coded switches 4—51588
Maderbacher, F. High speed CMOS-DRAMs 4—52290
Maderbacher, F. High precision instrument amplifier 4—58164
Maderlechner, G., Hundt, E. Image dialog between man and machine 4—43458
Maderlechner, G., Kuner, P., Hundt, E. The recognition and description of line images in drawings 4—38067
Madey, J.M. *see* Cutolo, A. 4—47486
Madey, J.M.J., Benson, S.V., Smith, T.I., Redaelli, R. A model for the introduction of noise into computer simulations of FEL pulse propagation 4—47389
Madey, J.M.J. *see* Billardon, M. 4—47383
Madey, J.M.J. *see* Cutolo, A. 4—47505
Madey, J.M.J. *see* Dattoli, G. 4—47376, 4—52852
Madey, J.M.J. *see* Deacon, D.A.G. 4—52829
Madey, J.M.J. *see* Elleaume, P. 4—42500
Madhavan Unni, N.V. Forest survey and management using remote sensing 4—61998
Madhukar, A. *see* Ogale, S.B. 4—51828
Madland, P. *see* Mohsen, A. 4—51193
Madland, P.D. *see* Kung, R.I. 4—51247
Madler, E. *see* Schroller, R. 4—45794
Madni, A.M., Chu, Y., Freedy, A. Intelligent interface for remote supervision and control of underwater manipulation 4—61951
Madoyan, R.S. *see* Khachaturyan, O.A. 4—35475
Madsen, B. *see* Conta, C. 4—56031
Madsen, K.M. New figure-tools on the way [electricity consumption in Denmark] 4—56379
Madsen, N.H. *see* Khan, M.A. 4—55473
Maebara, A. *see* Murasaki, K. 4—48079
Maeda, A., Takeya, S. New correction factor for high-precision open-site attenuation calculation 4—37657
Maeda, H. Mechanical disturbances for a cable-in-substructure superconductor 4—31082
Maeda, H., Maruyama, M., Yamashita, M., Aoyama, M. Communication control subsystem for DIPS VLSI processor 4—29902
Maeda, H. *see* Murakami, S. 4—56805
Maeda, J., Murata, K. Image restoration by an iterative regularized pseudoinverse method 4—32013
Maeda, K. *see* Masuoka, F. 4—35818
Maeda, M. *see* Bondurant, R.S. 4—53086
Maeda, M. *see* Mizunami, T. 4—42590, 4—52920
Maeda, M. *see* Morita, H. 4—32076
Maeda, S. *see* Yamamoto, K. 4—34796
Maeda, T. *see* Isogal, Y. 4—61756
Maeda, T. *see* Pak, K. 4—29489
Maeda, Y., Yokoyama, T., Hide, I. Large-grain silicon sheets by the improved spinning method 4—29462
Maeda, Y., Yokoyama, T., Hide, I. Polycrystalline silicon sheets for solar cells by the spinning method 4—34897
Maeda, Y., Yokoyama, T., Hide, I. Polycrystalline silicon sheets for solar cells by the improved spinning method 4—41928
Maeda, Y. *see* Ushida, N. 4—56030
Maeding, D.G., Austin, C.C., Maimone, P.J. An integrated phoneme speech synthesizer 4—59963
Maeguchi, K., Tango, H. Radiation hardened semiconductor devices 4—30771
Maeguchi, K. *see* Tanaka, S. 4—51172
Maeguchi, K. *see* Yoshida, M. 4—36870
Maejima, H. *see* Yonezawa, H. 4—51356
Maekawa, E. On optical loss distribution of optical line after test splice 4—54776
Maekawa, E. Consideration on fiber selection in subscriber optical loop 4—60875
Maekawa, E., Yoshida, K., Nihei, F. Design and characteristics of optical power meter for high-density fiber unit 4—61564
Maekawa, E. *see* Shinohara, H. 4—44094
Maekawa, E. *see* Yoshida, K. 4—44105, 4—52657
Maekawa, S. *see* Hinamoto, T. 4—30025, 4—51451
Maekawa, T., Miyamoto, Y., Tanikawa, K., Takigawa, H. High speed infrared charge injection device: design considerations 4—59023
Maenner, R., Ueberreiter, B., Bille, J., Bartels, P.H., Shoemaker, R.L. Multiprocessor system in medical imaging 4—53856
Maerfeld, C. *see* Planat, M. 4—52431
Maerin, L., Tanaka, K., Yamaguchi, T. Overview of RSC tape format for stationary head type digital audio recorder and its performance 4—44379
Maes, H.E., Heyns, G. Two-carrier conduction in amorphous chemically vapor deposited (CVD) silicon nitride layers 4—30460
Maes, H.E. *see* Groeseneken, G. 4—30654
Maes, M. Renault, Michelin, Peugeot and the rest 4—35083
Maestrini, P. *see* Barsi, F. 4—35978
Maestro, G.Del *see* Del Maestro, G.
Maeva, O.I. *see* Borkovskaya, O.Yu. 4—59312
Maevskii, S.M., Nazarov, V.D., Petrik, V.F. Retention of spatial coherence of light in a multimode step-index fiber 4—59245
Maffett, A.L. *see* Damaskos, N.J. 4—42833
Maffezzoni, C. *see* Cori, R. 4—34370
Mafra, O.Y. *see* Paschoa, A.S. 4—56220
Magaki, Y., Hirota, S., Fujioka, N. Miniaturization of DC circuit breaker for high quality and efficiency power supply system 4—40356
Maganjuola, R.O. *see* Kehinde, L.O. 4—44702
Magar, S.S. Signal processing chips invite design comparisons 4—41365
Magasawa, E. *see* Okabayashi, H. 4—36442
Magazinnik, G.G., Mel'nikov, V.L. Maximum power factor of a controlled rectifier 4—57177
Magda, I.I. *see* Kozlov, V.S. 4—40213
Magda, I.I. *see* Nizimov, V.B. 4—40230
Magdeev, V.Sh. *see* Vorob'ev, V.A. 4—33221
Magee, C. *see* Lagowski, J. 4—41818
Magee, C.W. *see* Feigl, F.J. 4—36344
Magee, H.-J.D. Interim report by ICA study group on 'videotex in government' 4—60459
Magee, R.A. *see* Burgess, A.C. 4—30230
Magee, T.J. *see* Richmond, E.D. 4—41048
Magenes, E. *see* Franzone, P.C. 4—49202
Mageramov, A.A. *see* Abdulaev, A.A. 4—51804
Magerl, H. Power—a domestic energy 4—45200
Magerlein, J.H. Tunnel barrier shape for RF-oxidized Nb/Pb-alloy junctions 4—42298
Magerlein, J.H. *see* Baker, J.M. 4—46737
Maggetto, G. Road transportation with electric vehicles 4—57472
Maggetto, G. *see* Lataire, P. 4—34779
Maggio, M. A flexible tape antenna for 2 meter HTs [handheld transceiver] 4—59858
Magill, J. Dual universal serial communications controller (DUSCC)—an advanced communications controller 4—54405
Magill, J., Thomsen, G. Complex datacomm peripheral ICs interface to many processors 4—32372
Magnan, J.F. *see* Erneux, T. 4—37265
Magnani, B. *see* Lamberti, C. 4—49250, 4—49272
Magni, V. *see* Docchio, F. 4—37408
Magnien, M. The energy crisis: the hopes to which electrochemistry gives rise 4—34248
Magno, R. *see* Kirchoefer, S.W. 4—41861
Magnuson, W.G., Jr. *see* Balch, J.W. 4—58249
Magnusson, D.C. Energy economics for equipment replacement 4—50127
Magnusson, L., Blomberg, M., Carlson, R., Elenius, K., Granstrom, B. Swedish speech researches team up with electronic venture capitalists 4—43244
Magomedov, A.Z. *see* Gasanova, L.G. 4—46857
Magomedov, Ya.B. *see* Amirkhanov, Kh.I. 4—58740
Magrini, G. Electronic security: antilarceny industry 4—39183
Magyar, P. *see* Karpati, A.-P. 4—40323
Mahajan, R.L. *see* Wenger, G.M. 4—50524
Mahajan, S., Chin, A.K., Zipfel, C.L., Brasen, D., Chin, B.H., Tung, R.T., Nakahara, S. The origin of dark spot defects in InP/InGaAsP aged light emitting diodes 4—31245
Mahajan, V.N. Zernike annular polynomials for imaging systems with annular pupils 4—47899
Mahalanabis, A.K., Ahson, S.I., Prasad, R. Decentralized state estimation through on-line identification of interaction model 4—49549
Mahalingam, L.M., Reed, D.J. Bipolar device packaging—electrical, thermal, and mechanical stress considerations 4—45985
Mahalingam, M., Nagarkar, M., Lofgran, L., Andrews, J., Olsen, D.R., Berg, H.M. Thermal effects of die bond voids in metal, ceramic and plastic packages 4—57848
Mahan, J.E. *see* Metz, W.A. 4—46968
Mahanna, J.R. *see* Anderson, R.B. 4—47187
Mahapatra, P.R. *see* Zrnic, D.S. 4—47597
Mahboob, G. *see* Basu, K.P. 4—49629
Mahboubian-Jones, B. *see* Hayward, D. 4—55643
Mahdavi, J., Schaeffer, A., Velo, C. New method for the measurement of current close to zero in a circuit breaker 4—57279
Maher, K. *see* O'Connor, M.K. 4—49141
Maheshwar Rao, B.U. *see* Mukhopadhyay, P. 4—58020
Maheshwari, R.C., Pathak, K.S. Electro-optical studies of ZnS: Cu, Er phosphor 4—42471
Mahlein, H.F. Crosstalk due to stimulated Raman scattering in single-mode fibres for optical communication in wavelength division multiplex systems 4—59234
Mahler, H.J. *see* Doe, P.J. 4—33638
Mahler, R. Use of the ECS for the distribution of additional broadcast programs 4—44033
Mahmoud, A.A. An innovative approach to high voltage engineering education and research 4—50356
Mahmoud, A.A. *see* Zimmerman, D.R. 4—49611
Mahmoud, A.M.A. *see* Menzies, R.W. 4—34817, 4—57431
Mahmoud, M.A. Double-inclination probe for sizing steep fatigue cracks 4—58083
Mahmoud, S. *see* Elhakeem, A.K. 4—32116, 4—38128
Mahmoud, S. *see* Le Doeuff, R. 4—34604
Mahmoud, S.A., Chan, W.-Y., Riordon, J.S., Aidarous, S.E. An integrated voice/data system for VHF/UHF mobile radio 4—32690
Mahmoud, S.A. *see* Cavers, J.K. 4—60722
Mahmoud, S.A. *see* Elhakeem, A.K. 4—32082
Mahmoud, S.F. *see* Metwally, A.D. 4—37518, 4—53270
Mahmudur Rahman, M., Furukawa, S. Preparation and electrical properties of an amorphous SiC/crystalline Si p^+n heterostructure 4—41865
Mahnke, G. *see* Vollmann, W. 4—33825
Mahnkopf, P. The 'Telenewspaper' in Ludwigshafen 4—54318
Mahoney, J.R., Barfield, E.T. The changing requirements for air pollution control in the electrical and electronics industry 4—35261
Mahoney, T.L., Lane, R.F. Simulation for evaluation of conducted electromagnetic environmental effects 4—59820
Mahoney, W.A. *see* Varnell, L.S. 4—33778
Mahoney, W.M. *see* Chandler, W.T. 4—33949
Mahony, C. *see* Prewett, P.D. 4—41100
Mahr, D. People, a key resource for improving maintenance [power plants] 4—45195
Mahr, H. The spectral density of field components of a monofrequency optical carrier source output power being modulated by a frequency multiplexed baseband of voice channels 4—59914
Mahr, P. Current hook: measuring AC currents without voltage drop 4—33405
Mahr, W., Gautschi, G.H. PIEZOTRON transducers—how they compare with piezoelectric transducers using charge amplifiers 4—33289
Mai, R.G. *see* Vasin, B.L. 4—55281
Mai, V.A. *see* Ivanov, A.A. 4—62277
Mai Shao-Wen *see* Shao-Wen Mai
Mai Zhenhong *see* Cui Shufan 4—30316
Maiboroda, G.A., Skryl', V.F. Effectiveness rise of power system telemetering apparatus 4—39955
Maida, V. Front panels get a facelift [electronic instrument panels] 4—33381
Maidanovskiy, A.S. *see* Novikov, S.S. 4—29697
Maier, G.V., Galeeva, A.I., Bazyl', O.K., Danilova, V.I. Calculation of some characteristics of stimulated emission from active media of lasers based on organic compounds 4—42512
Maier, H. Telematics—the growth and merging of telecommunication and information services 4—43539
Maier, H. Path measurement and positioning control with industrial robots 4—61529
Maier, K.H. Effective energy and efficiency 4—34251
Maier, M. *see* Kutt, W. 4—41949
Maier, R. *see* Arefiev, A. 4—55843
Maier, V.Ya., Polukarov, N.I., Klimenko, V.F. Nomogram for determining asymmetry of voltages and currents in converted coordinates 4—45063
Maier, V.Ya., Polyukarov, N.I., Klimenko, V.F. Effect of operating conditions of electric smelting furnaces on current and voltage asymmetry of 220 kV supplies 4—39863
Maier, W. Turning of small, high-precision band reels on twin-spindle CNC automatic lathes 4—35283
Maige, P. The UAA-4002, an integrated circuit for the control of switching transistors 4—50929
Maihack, A.J. Jobsite safety procedures 4—40792
Maillet, A.J. Current lighting practice trends for the pulp and paper industry 4—62812
Maillot, C., Roulet, H., Dufour, G. Comparative study by XPS and LEED of nitridation processes on silicon (111) 4—30745
Maimone, P.J. *see* Maeding, D.G. 4—59963
Main, C., Geddes, D.A.M., McNee, S.G., Collins, W.J.N., Smith, D.C., Weetman, D.A. Instrumentation for measurement of dental plaque thickness in situ 4—33794
Main, E. *see* Virdee, L. 4—44825
Main, F.K. Power plant performance comparisons 4—34291
Main, G.L., Lam, S.H. Effects of reflections and trapped ions on the thermionic emitter sheath 4—40498
Maine, R., Munro, S. A local area network in meteorology 4—48270
Maine, T. Mixing fibre and copper technologies 4—43916
Mains, J.J. *see* Hewett, F.A. 4—42251
Mains, R.K., El-Gabaly, M.A., Haddad, G.I., Sun, J.P. Comparison of theoretical and experimental results for millimeter-wave GaAs IMPATTs 4—58522

Mains, R.K., Haddad, G.I., Bowling, D., Afendykow, M. Dynamic behavior of pulsed-IMPATT oscillators 4—36043
Mains, R.K. *see* Blakey, P.A. 4—51545
Mainwaring, S.J., Thorpe, J.L. Predictions of line-source emissions of particulate lead 4—33993
Maio, K. *see* Kaneko, K. 4—46453
Maiorov, A.P. *see* Baraulya, V.I. 4—31346
Maiorov, M.I. *see* Demyshev, V.E. 4—50212
Maiorov, V.P. *see* Zolotov, A.V. 4—39315
Maiorova, E.K. An investigation of the characteristics of the RATAN-600 radio telescope with the primary feed offset from the focus 4—54919
Maiorova, E.K., Stotskii, A.A. Calculation of energy characteristics of the focusing system of the RATAN-600 radiotelescope 4—32884
Maiorova, E.K., Stotskii, A.A. Influence of the nature of the field distribution over the feed aperture on the periscope-system parameters of a variable-profile antenna 4—32885
Maiorova, N.I. *see* Fronts, K. 4—52991
Mair, G.L.R. *see* Prewett, P.D. 4—36379
Maisch, W.G. *see* Krebs, J.J. 4—59794
Maison, J.-M. *see* Shapira, J.-P. 4—61727
Maisonneuve, F. *see* Lantuejoul, C. 4—32040
Maistrenko, A.S. *see* Gorbik, P.P. 4—58769
Maistrenko, G.I. *see* Bakut, P.A. 4—38643
Maisuradze, G.I. *see* Totladze, Z.D. 4—39814
Maisuradze, L.V. *see* Ter-Gazaryan, G.N. 4—40210
Maisuradze, Sh.A. *see* Biryuleva, T.B. 4—40209
Maiti, H.S. *see* Paria, M.K. 4—51803
Maitoko, T. *see* Morimatsu, Y. 4—61301
Maitra, A., Das, S.K., DasGupta, A. Observations of fast Faraday polarization fluctuations at VHF and amplitude scintillations at VHF and UHF near the equatorial anomaly crest in the Indian sector 4—47615
Maitre, X. *see* Brie, R. 4—31701
Maiwald, D. *see* Ungerboeck, G. 4—60066
Maiwald, T. *see* Fey, P. 4—47865
Maix, R.K. The Swiss contribution to the LCT [Large Coil Task]—an international programme for the development of large superconducting toroidal field coils 4—42310
Maizanov, B.T. *see* Sechenov, D.A. 4—30526
Majcen, A. *see* Majcen, M. 4—34453
Majcen, M., Majcen, A. Twin airfoil blade in double circulating gas turbine processes 4—34453
Majcher, M., Lenarczyk, J. Failure analysis of power unit turbine-generators in professional power plants 4—45392
Majek, S., Smolka, J., Bajbar, J., Straka, V. The microcomputer system for beam rest position evaluation of the standard balance 4—49025
Majer, J. *see* Kott, J. 4—56727
Majeric, B. *see* Ban, D. 4—57017
Majewska, T., Hackiewicz, H. Problems of processing and use of copper in cable production 4—45777
Majewski, J. A DC machine with rotating magnet-heel and armature 4—45692
Majewski, M. Minimum input power and maximum anode current of M-amplifier with secondary emission cathode 4—46764
Majewski, S. *see* Breskin, A. 4—39414
Majhi, J., Rao, D.K. Effect of different oxidation processes on MOS *C-V* characteristics 4—51887
Majhi, J. *see* Vaya, P.R. 4—46836
Majima, N. *see* Okubo, M. 4—61331
Majithia, J.C. *see* Gopal, P.M. 4—32142
Majithia, J.C. *see* San-qi Li 4—43758
Majo, F.Di *see* Di Majo, F.
Major, A. *see* Kulcsar, S. 4—57317
Major, M. Bypassing in-circuit test of microprocessor-based boards 4—46493
Major, R.D. *see* Ferguson, H.R.P. 4—29330
Majumdar, A.K. Laboratory-simulation experiment for optical communication through low-visibility atmosphere using a diode laser 4—60863
Majumdar, B. *see* Mason, S.M. 4—33839
Majumdar, D. A proposed absolute ionization image chamber 4—61720
Majumdar, R.K., Dutta, S. Induced polarization time-domain equipment and some model studies over thin dikes of finite strike extent 4—39685
Majumder, D.D. *see* Chanda, B. 4—60184, 4—60210
Majus, J., Sausen, F. Impact of ARQ methods on the tolerable BER of link configurations comprising satellites 4—48443
Mak, A.A. *see* Antipenko, B.M. 4—37348
Mak, A.A. *see* Gerasimov, V.A. 4—31359
Mak, R.H. Optimization of programmable logic arrays 4—51121
Mak, S. *see* Bharj, S.S. 4—36016
Mak, S.T. A new method of generating TWACS type outbound signals for communication on power distribution networks 4—60637
Makansi, J. Power from sludge 4—34387
Makansi, J. New monitors expand benefits of machine-condition surveys 4—56943
Makara, V.A. *see* Lavrenyuk, V.I. 4—58848
Makarenko, I.N. *see* Zisman, A.N. 4—49039
Makarov, A.A. Digital meter for measurement of star 'jitter' 4—49450
Makarov, A.V. *see* Gorban', A.P. 4—62698
Makarov, L.N. *see* Popov, V.I. 4—34753
Makarov, V.N., Biktashev, T.Kh. Effect of plane stressed state on magnitude of magnetostriction 4—37000
Makarov, V.V. *see* Lokhin, V.M. 4—61208
Makarova, A.S. *see* Khrilev, L.S. 4—40073
Makarova, I.A. *see* Prokof'eva, N.K. 4—41051
Makarova, N.V. *see* Vorob'ev, S.A. 4—30883
Makarova, T.E. *see* Melent'ev, L.A. 4—44941
Makeev, V.S. *see* Goryachev, S.B. 4—42532
Makeev, V.Ya. *see* Broitman, M.B. 4—32466
Makeeva, G.S. *see* Lyubchenko, V.E. 4—42845
Makeyeva, G.S. *see* Lyubchenko, V.Ye. 4—53263
Makhijani, M.P. *see* Formichelli, A.R. 4—30694
Makhnbyuk, B.I., Makhota, S.A., Rozov, A.A. Duration pulse selector for digital systems 4—29980
Makhota, S.A. *see* Makhnbyuk, B.I. 4—29980
Makhoul, J. *see* Schwartz, R. 4—59995
Makhsudov, A.U., Myalkovskii, V.M., Yuldashbaev, T.S. Thin Cherenkov counter for charge measurement 4—33721
Makhtiev, A.Sh. *see* Akopyan, E.A. 4—51857
Makhviladze, T.M., Sarychev, M.E. Stationary SRS regimes in the fields of ultrashort pulses 4—37458
Makhviladze, T.M., Sarychev, M.E. Angular distributions of stimulated Raman scattering of light 4—37459
Maki, A.G. *see* Wells, J.S. 4—59507
Maki, G. *see* Rakhakrishnan, D. 4—58278
Maki, N. *see* Yamaguchi, K. 4—56968
Maki, P.A., Wicks, G.W., Eastman, L.F. Enhanced mobilities in single quantum well structures on $Al_{0.30}Ga_{0.70}As$ buffers grown by MBE 4—58791
Makiedonski, A., Orlowski, A. Paging system with utilization of VHF-FM broadcasting stations 4—43648
Makienko, G.P., Tyurin, A.V. 110-500 kV high pressure cables 4—39882
Makihara, S. *see* Igarashi, K. 4—61182
Makihira, H. *see* Hamada, T. 4—53845
Makimura, T. *see* Yamasaki, K. 4—52285
Makino, H., Okada, O., Hidaka, Y. Dysprosium containing bubble garnet composition for ion-implanted contiguous disk devices 4—30972
Makino, K. *see* Kitajima, H. 4—33964
Makino, M., Furukawa, I., Kihara, M. Network synchronization system 4—38162
Makino, S., Kido, K. A speaker independent word recognition system based on phoneme recognition for a large size (212 words) vocabulary 4—59971
Makino, S. *see* Kawabata, T. 4—31927
Makino, T. Single transverse-mode conditions for InGaAsP/InP (1.3 μm) buried crescent lasers with InGaAsP lateral confining regions 4—52972
Makino, T., Miyoshi, Y. Conditions for a Gaussian approximation of an optical receiver output 4—54766
Makino, T. *see* Suzuki, A. 4—58377
Makino, T. *see* Takeda, E. 4—52148
Makino, Y. *see* Ochiai, Y. 4—42223
Makios, V. *see* Soras, K.F. 4—34931
Makishima, H., Shimokawa, K., Mita, N. Deflector for a deflection-modulated EBS amplifier 4—30276
Makishima, K. Observations with scientific satellites 4—56233
Makita, K. *see* Ishihara, H. 4—52793
Makita, K. *see* Kasahara, K. 4—31230, 4—37227
Makita, K. *see* Sugimoto, Y. 4—52792
Makita, Y. Fabrication technology of high-quality optoelectronic materials 4—58019
Makiuchi, M. *see* Wada, O. 4—31178
Makkay, J. Application of digital technique in studiotechnics 4—31974
Makki, R.Z., Alexander, C.K. Design for testability using an RTL 4—58273
Maklakov, A.Ya., Zhed', A.P., Morozov, G.M. A device for measuring the electrical resistance of micro-gauge wire, metallized fibres and threads 4—61492
Mako, F., Pasour, J.A., Roberson, C.W., Lucey, R. A broadband high power millimeter to centimeter spectrometer 4—39301
Makoklyuev, B.I., Voronkov, V.N., Loginova, L.V. Benefits from introducing 'summer time' for Moscow power system 4—44967
Makosch, G. *see* Jaerisch, W. 4—39311
Makosch, G. *see* Korth, H.-E. 4—55698
Makoveeva, L.Ya. *see* Borisovskii, S.P. 4—31440
Makovetskii, A.A., Tishchenko, R.P. Estimate of the stimulated emission cross section of a four-level active medium from the kinetics of decay of its superradiance 4—31360
Makowski, A.M. *see* Baras, J.S. 4—46086
Makowski, K., Schoepp, K. An analysis of shaded pole induction motors with increased starting torque 4—34644
Makram, E.B. *see* Grigis, A.A. 4—49559
Makram, H. *see* Ostorero, J. 4—35466
Makram-Ebeid, S., Minondo, P. Side-gating in GaAs integrated circuits: surface and bulk related phenomena 4—30731
Makretsov, S.I. *see* Abil'siitov, G.A. 4—59389
Maksimenko, Yu.N. Static transmission characteristics of cathodoluminescent light convertor 4—37236
Maksimenko, Yu.N. *see* Abalduev, B.V. 4—37237
Maksimiuk, Z. A method of classification of technical means for automatic control (TSA) in chemical industry 4—48705
Maksimov, A.I. *see* Komarov, A.N. 4—34049
Maksimov, A.V., Blagodarov, A.N., Nagovitsyn, N.A. Field relaxation in an MOS electroabsorption waveguide light modulator 4—59246
Maksimov, N.A., Kislov, V.Ya. A mechanism for the transition from determinate dynamics to random dynamics in a self-oscillating system 4—51030
Maksimov, S.K. Correlation between thermodynamic instability of $A^{III}B^{V}$ heterocompositions and degradation of devices based on these materials 4—46986
Maksimov, V.I., Kirichenko, G.B. Liquid crystal controllable light panel for simultaneous recording of static and dynamic information 4—39073
Maksimov, V.M., Ostroukhov, M.S. A method of investigating intercoupled oscillators 4—51027
Maksimov, Yu.P. *see* Verbitskaya, E.M. 4—46938
Maksimova, N.K. *see* Filonov, N.G. 4—46999
Maksimova, N.K. *see* Vyatkin, A.P. 4—58800
Maksimova, O.G. *see* Varlamov, I.V. 4—29526
Maksimovic, Z., Pesic, M., Trtanj, M. Mechanism of formation of $CaCO_3$ layers in the system for the hydraulic transport of ashes and slag of the Morava thermal power plant 4—56828
Maksvitat, V.O. *see* Storozhuk, Ya.P. 4—40069
Makukha, V.I. *see* Bondarenko, B.V. 4—41749
Makukha, V.K. *see* Baraulya, V.I. 4—31346
Malachesky, P. *see* Bellows, R.J. 4—40423
Malah, D. *see* Dembo, A. 4—35973
Malah, D. *see* Ephraim, Y. 4—37898
Malah, D. *see* Shpiro, Z. 4—53497
Malakhov, I.A. *see* Abdullaev, K.M. 4—40103
Malakhov, I.S. *see* Gendel'man, G.A. 4—45813
Malakhov, V.I. *see* Nagorskii, V.D. 4—40546
Malakhovskiy, O.Yu. *see* Bozhkov, V.G. 4—30598
Malamed, E.R. Linear displacement transducer 4—33482
Malaterre, P. *see* Rougeron, M. 4—56286
Malay, J.T., Brown, D.N., McCandless, S.W.J. Spaced-based [sic] ocean remote sensing—capabilities and deficiencies in th 1980s 4—56324
Malboysson-Correcher, E., Cabanes, J. Faulty procedure during first aid rendered by the layman 4—50462
Malcangi, M. The VLSI gate array in bipolar and MOS technologies 4—46423
Malcangi, M. A new generation of CMOS silicon gate arrays 4—58241
Malcangi, M. New floating point digital signal processors 4—58366
Malcangi, M. New developments in semicustom technology 4—58965
Malcangi, M. CAD technology as a means of designing custom and semicustom MOS/VLSI 4—59026
Malchanov, A.A., Zhadaev, A.G. Plane graph packing algorithm for automated design of topology of large-scale integrated circuit with one-layer switching 4—30681
Malcho, R.E. *see* Greenberg, E.L. 4—49353
Malcolm, J.G., Foreman, G.L. The need: improved diagnostics—rather than improved R 4—46048
Malcolme-Lawes, D.J. The microcomputer general-purpose interface bus 4—35890
Malcorps, H. *see* De Muer, D. 4—39705
Malczewski, M. Speed reference unit with acceleration derivative limitation 4—35102
Maldonado, J.R. *see* Acosta, R.E. 4—52162
Maldonado, J.R. *see* Reisman, A. 4—52127
Maldonado, O. *see* Jacard, B. 4—53200
Malecha, P. *see* Robach, C. 4—29802, 4—55186
Maleham, J. Investigation of the dependence of reactive ion etching of Al-Si-Cu alloys upon film deposition characteristics 4—40859
Malek-Zavarei, M. Application of graph theory in the design of hierarchical telephone networks 4—38130
Malek-Zavarei, M., Chow, M.C., Williams, J.D. Generic approaches to the design of network services circuits 4—54538
Maler, L.Z. *see* Frukhtman, M.L. 4—33431
Malesani, L., Tenti, P. AC chopper with controlled free-wheeling 4—57201
Maletinsky, V., Schaffer, G. Power system control in electrical distribution networks 4—45079
Maletskii, V.I. *see* Orel, O.A. 4—44568
Malevich, N.A. *see* Apanasevich, P.A. 4—59584
Malevich, V.L. *see* Pilipovich, V.A. 4—36259
Malewski, R., Nguyen, Ch.T., Feser, K., Hylten-Cavallius, N. Elimination of the skin effect errors in heavy current shunts 4—56705
Malewski, R. *see* Russell, B.D. 4—53233
Maley, G.A. Ring oscillator with improved reliability 4—29696
Malezic, M., Kljajic, M., Stanic, U., Acimovic, R., Krajnik, J., Gros, N. Multisite electrical stimulation for therapeutic and orthotic rehabilitation of paretic gait 4—56197
Malham, D.G. Single supply wide range sync separator 4—35706

Malhame, R., Chong, C.Y. Stochastic hybrid state systems for electric load modeling 4—49552
Malhami, R.P. *see* Chong, C.-Y. 4—56512
Malherbe, J.A.G. Calculator program for mutual impedance of coupled antennas 4—47677
Malhi, S.D.S. *see* Shichijo, H. 4—36627
Malhotra, V. *see* Metz, W.A. 4—46968
Malik, F.A. *see* El-Sayed, M. 4—34082
Malik, M.H. *see* Morris, P.B. 4—49178
Malik, N.R. Teaching difference amplifier concepts 4—29156
Malik, N.R., Pradeep, H.R., Ramachari, S.M. Fast filtering techniques for isolated word recognition 4—37911
Malik, O.P. *see* Ghosh, A. 4—62069
Malik, O.P. *see* Kanniah, J. 4—45423, 4—45424, 4—49523
Malik, O.P. *see* Kumar, A. 4—49524
Malik, O.P. *see* Tripathy, S.C. 4—45279, 4—62025
Malik, R. Japan: who will hit the VLSI jackpot? 4—52152
Malik, R.J. *see* Hayes, J.R. 4—36560
Malik, S., Masterson, M.E., Hunt, M. Effects of kVp variation and X-ray tube filtration on the mammographic examination 4—49143
Malik, S. *see* Kubin, M. 4—45297
Malikov, M.M. *see* Direktor, L.B. 4—53037
Malina, R.F., Coburn, K.R. Comparative lifetesting results for microchannel plates in windowless EUV photon detectors 4—39449
Malinge, J.-L. Single and dual connectors for multimode fibres and associated passive devices 4—42337
Malingre, M. Radiation of ion acoustic waves from a solid spherical probe in a warm isotropic plasma 4—49471
Malinin, L.I. *see* Kazanskii, V.M. 4—40263
Malinin, L.M. *see* Zobnin, A.P. 4—62486
Malinovskii, V.K. *see* Gusev, V.A. 4—37168
Malinowski, K. Radio communication in Polish conspiration activities. I 4—60654
Malinowski, R. Zarnowiec pumped-storage power station 4—62449
Maliszewski, R.M. *see* Dopazo, J.F. 4—49547
Malkin, M.G. *see* Lementueva, N.V. 4—58170
Malkin, P. Developments in vacuum interrupter technology 4—34790
Mal'kov, K.V. On the homeomorphism of systems of total differential equations 4—46071
Malkova, A.S. *see* Pashinkin, A.S. 4—29449
Mal'kova, N.V. *see* Golikova, E.G. 4—52818
Mallan, A. *see* Abrahams, B. 4—61078
Mallar, L. *see* Beznoczky, A. 4—61553
Maller, V.N. Calculation of discharge inception voltage due to presence of voids in high voltage motor insulation 4—49839
Maller, V.N., Srivastava, K.D. Effect of insulator on breakdown and time to breakdown probability distributions in SF_6 under impulse voltages 4—30837
Mallette, L.A., Phillips, R.L. Measurement of diffusion capacitance in low data rate optical detectors 4—48909
Mallette, L.A., Phillips, R.L. The optical transfer function of silicon solar cells: theory and experiment 4—50107
Malleus, G. Economic and technical impact of implementing a satellite network 4—60804
Mallick, A.K. *see* Nair, N.V. 4—37700
Mallinder, B. From radiophone to cellular radio 4—44005
Mallinder, B.J.T. Network structures for cellular radio 4—60703
Mallinson, J.C., Bertram, H.N. A theoretical and experimental comparison of the longitudinal and vertical modes of magnetic recording 4—47183
Mallison, J.C., Minuhin, V.B. The reciprocity integral: convolution or correlation? 4—42248
Mallol Lage, J. Electrical connections: with or without screws? 4—46667
Mallon, C.E. *see* Leadon, R.E. 4—30823
Malloy, N.J. Non-uniform sampling for high resolution spectrum analysis 4—53703
Malm, B. High resolution positron emission tomographic unit 4—39555
Malm, B. Microtrons, cyclotrons and synchrotrons for high quality radiation therapy 4—39596
Malm, H. *see* Simpson, J.J. 4—55815
Malm, H.L., Watt, M.M., Bostock, I., Campbell, J.L., Jagam, P., Simpson, J.J. Background reduction in germanium spectrometers: material selection, geometry, and shielding 4—61673
Malmberg, P. *see* Brody, P. 4—55259
Malmberg, P.R. *see* Hubler, G.K. 4—41970
Malmivuo, J. *see* Heinonen, P. 4—51432
Malmquist, C.A. 801 instruction to hexadecimal converter 4—31866
Maloberti, A. Definition of reception parameters for digital cellular mobile radio systems 4—42859
Maloberti, F. *see* Montecchi, F. 4—41481
Malobicky, M. New way of transmission in remote control 4—54108
Malocha, D.C. *see* Riche, S.M. 4—52401
Malofei, O.P. *see* Klyuchko, V.I. 4—43941, 4—43943
Malolepszey, J. *see* Waszkiewicz, L. 4—39570
Malolepszy, J. *see* Jellonek, K. 4—39515
Malone, D.F. *see* Goulding, F.S. 4—33703
Malone, J.F. Communications changes course 4—38381
Malone, J.F. *see* O'Connor, M.K. 4—49141
Malone, M.J., Tram, H.N., Day, J.T. A probabilistic approach to evaluate spinning reserve strategies 4—49564
Malone, R. *see* Chang, J. 4—33142
Maloney, E.D. Developments in Earth-station and satellite tubes reflect information demand 4—44031
Maloney, T.C. TFT addressed LCDs, a display technology for the 1980s 4—55610
Maloney, W.T., Lustig, C.D. Influence of temperature on magnetic properties of ion-beam sputter-deposited perpendicular magnetic media 4—59125
Maloney, W.T. *see* Baird, A.W. 4—47185
Malos, J. *see* Gilmore, R.S. 4—51327
Malov, S.N. *see* Kilmenko, I.S. 4—53108
Malpass, J. *see* Deeds, D. 4—54887
Maltezos, E. *see* Kagarakis, C. 4—34932
Mal'tsev, A.A., Pozumentov, I.Ye. Parameter tuning rate of adaptive filters in the presence of quasiharmonic input signals 4—31977
Mal'tsev, M.B. Switched voltage converter with low level of interference 4—40335
Mal'tsev, S.N. *see* Igumnov, V.P. 4—45778
Mal'tsev, V.A. *see* Batrachenko, V.S. 4—33119
Mal'tseva, I.N. *see* Yegorov, V.N. 4—36025
Mal'tseva, O.A. *see* Larkina, V.I. 4—53205
Maltz, F.H. Time difference raytrace method for ranging and sound channel probing 4—60932
Maltz, L. Micros through mainframes: a successful implementation 4—48265
Maluenda, J. *see* Horstman, R.E. 4—41879
Malvar, H.S. Electronically controlled active-*C* filters and equalizers with operational transconductance amplifiers 4—51424
Malvezzi, A.M., Parmigiani, F., Petroni, R. Triggering of a streak-camera with a GaAs optoelectronic PS switch 4—31181
Maly, W., Gempel, J., Korzec, D., Piotrowski, A.P., Syrzycki, M. Statistical simulation of VLSI IC cell 4—36791
Maly, W. *see* Kuzmicz, W. 4—36165
Malyak, P.H., Thompson, B.J. Particle velocity measurement using holographic methods 4—53093
Malyar, V.S. *see* Glukhivskii, L.I. 4—45419, 4—62507
Malygin, A.V. *see* Zheltov, K.A. 4—33754
Malygin, O.V. *see* Luchinin, A.G. 4—36185
Malygin, S.A., Pavel'ev, V.G., Tsimring, Sh.E. Resonant transformation of modes in oversize electrodynamic systems 4—42910
Malygin, V.V. *see* Kaluzhina, S.A. 4—46258
Malykin, M.I. Digital phase signal meter 4—33355
Malyon, D.J. Digital fibre transmission using optical homodyne detection 4—32797
Malyon, D.J. *see* Hodgkinson, T.G. 4—32830
Malyon, D.J. *see* Smith, D.W. 4—54809
Malysa, H. Economical grounds for electric energy price formation 4—49504
Malysh, M.M. *see* Averin, A.P. 4—59451
Malyshev, A.M. *see* Kalyavin, V.P. 4—38992
Malyshev, L.I. *see* Dmitriev, N.V. 4—62428
Malyshev, N.A. *see* Kamnev, N.M. 4—62427
Malyshev, V.A. Quality evaluation of a four-probe head for surface-resistance measurements 4—55631
Malyshkin, M.A., Galchenkov, D.V., Grankin, M.A., Bondar', S.A., Vigdorovich, V.N. Changes in the carrier density due to modifications of the energy band structure of $Al_xGa_{1-x}As$ doped with tellurium and tin 4—30337
Malyushevskii, P.P., Krivitskaya, Z.K., Lyapis, D.N., Volkova, L.P., Gorovenko, G.G., Timnov, A.A. Features of the breakdown of certain liquids under high hydrostatic pressure 4—36922
Malyushitskii, M.M. *see* Zhemchugov, N.I. 4—57675
Malyuta, D.D. *see* Baranov, V.Yu. 4—37310, 4—59450
Malyutenko, V.K., Guga, K.Yu. InSb-based magnetosensitive elements. I. Survey 4—36266
Malyutenko, V.K., Molozovskii, Yu.M., Sashchuk, A.P., Staliioraitis, K.K., Teslenko, G.I. Determination of recombination parameters in a bounded semiconductor with bipolar photoconduction 4—59318
Malyutenko, V.K. *see* Aleinikov, A.B. 4—46804
Malyutenko, V.K. *see* Vlasenko, N.A. 4—61510
Malyutin, A.A. *see* Zharikov, E.V. 4—31364
Mamadalimov, A.T. *see* Vakhabov, D.A. 4—30314
Mamaev, A.V., Melnikov, N.A., Pilipetsky, N.F., Sudarkin, A.N., Shkunov, V.V. Phase conjugation on the surface of semiconductors: theory and experiment 4—53060
Mamaev, Yu.A. Nonreciprocal effects in a ring laser with a circularly anisotropic resonator when a transverse magnetic field is acting on the active medium 4—42547
Mamane, C. Transformer loss evaluation: user-manufacturer communications 4—34712
Mamatkhodzhaev, V.M. *see* Atakhanov, R. 4—38830
Mamatkulov, B.R. *see* Aronov, D.A. 4—59313
Mambelli, W. *see* Eden, R.C. 4—58243
Mamberer, H., Thoma, A. Electronics to cut costs—the MAVO/PROMIS system for newspaper rotary printing presses 4—50271
Mambo, M., Nagano, I., Okada, S., Fukami, T. An improved method of estimating electron density profiles in the lower ionosphere with VLF reflection coefficients 4—44914
Mambrito, B. *see* de Luca, C.J. 4—56132
Mamedli, L.D. *see* Aleinikov, V.S. 4—44776
Mamedov, F.I. *see* Zaripov, M.F. 4—61333
Mamedov, N.T. *see* Abdullaeva, S.G. 4—31218
Mamedov, N.Ya. *see* Ismailov, Sh.Yu. 4—53617
Mamedov, T.S. *see* Stafeev, V.I. 4—30394
Mamedyarov, O.S. Optimizing power system regimes by the planning of experiment method 4—62040
Mamet, A.P., Mamet, V.A., Pashevich, V.I., Nazarenko, P.N. Several perspectives on water-chemical cycles for nuclear power stations equipped with type VVER and RBMK reactors 4—39997
Mamet, V.A. *see* Mamet, A.P. 4—39997
Mamet, V.A. *see* Tyapkov, V.F. 4—49672
Mamikonova, V.M. *see* Abdullayev, A.G. 4—50790
Mamikonyants, L.G. *see* Dovganyuk, I.Ya. 4—57384
Mamine, T. Dependence of astigmatism, far-field pattern, and spectral envelope width on active layer thickness of gain guided lasers with narrow stripe geometry 4—47448
Mammone, R.J., McKee, O., Schilling, D. Frequency resolution enhancement of a compressive receiver by spectral estimation 4—37958
Mamola, G. *see* Campanella, M. 4—59919
Mamouni, A., Leroy, Y., Van de Velde, J.C., Bellarbi, L. Principle of correlation microwave thermography 4—33821
Mamouni, A., Leroy, Y., Van de Velde, J.C., Bellarbi, L. Introduction to correlation microwave thermography 4—44732
Mamouni, A. *see* Bellarbi, L. 4—44721
Mamouni, A. *see* Enel, L. 4—33808
Mampe, H. *see* Pettenpaul, E. 4—51540
Mamutin, V.V. *see* Bagraev, N.T. 4—46820
Mamutin, V.V. *see* Gatsoev, K.A. 4—42467
Mamyrov, U.I. *see* Samotsvetov, S.G. 4—33755
Man, C.N., Brillet, A. Frequency control of an optically pumped Na_2 laser 4—47414
Man, C.N., Brillet, A. Injection locking of argon-ion lasers 4—52911
Man, H.De *see* De Man, H.
Man, H.J.De *see* De Man, H.J.
Man-Young Sung Present progress in semiconductor devices for the optical communication system 4—54768
Manabe, T., Ihara, T., Furuhama, Y. Inference of raindrop size distribution from attenuation and rain rate measurements 4—47593
Manabe, T. *see* Dote, Y. 4—57092
Manabe, T. *see* Ihara, T. 4—47622
Manabe, Y., Hagihara, K., Tokura, N. The minimum track number of the narrower channel in the single-row single-layer routing 4—52229
Manabe, Y., Hagihara, K., Tokura, N. The minimum bisection widths of the cube-connected cycles graph and cube graph 4—57928
Manabe, Y. *see* Kawaguchi, T. 4—31169
Manaker, A.M. Atmospheric fluidized bed combustion 4—34397
Manasevit, H.M. *see* Yang, J.J. 4—36252
Manca, A. *see* Dorler, J.A. 4—40871
Manca, J. *see* Felch, K. 4—36198
Mancarella, M. *see* Blanco, A. 4—59184
Manchester, P. Licking the satellite problem 4—33913
Mancini, N.A., Pennisi, A., Simone, F. Structural and electronic properties of anodes in photoelectrolytical cells 4—58822
Mancini, N.A. *see* Furlan, G. *(editor)* 4—40718
Mand, R.S., Taylor, D.M. Effect of HCl on the electrical properties of SiO_2 films 4—30820
Mandarini, P. *see* Filligoi, G.C. 4—44744
Mandava, P.R. *see* Bagchi, C.N. 4—34285
Mandel, L. Fundamental limits on information capacity of an optical communication channel 4—31806
Mandel, L. *see* Kimble, H.J. 4—61400
Mandel, P., Abraham, N.B. Stability analysis of a bidirectional homogeneously broadened ring laser 4—59554
Mandel, P. *see* Erneux, T. 4—37265
Mandelbaum, D.M. Reducing the number of operations in certain finite-field transforms [decoding] 4—47752
Mandel'berg, S.L., Sidorenko, B.G., Lopata, V.E., Bogachek, Yu.L., Kovalevskii, V.A., Sergeev, I.I., Kalinin, S.A., Kotenzhi, Yu.V., Zavidov, S.V. Three arc welding large diameter straight seam pipes with a reduced heat input 4—62844
Mandhana, O.P., Nagrath, I.J. Time-domain analysis of three phase current source inverter 4—62621

Mandl, A., Klimek, D., Parks, J.H. KrF laser kinetics studies 4—42528
Mandoko na Mpeya, B. *see* Said, A.I. 4—50140
Mandour, I., El Awady, R., Ati, I.A. Macromodelling of operational amplifiers and its applications to active filters 4—29688
Mandryka, O.R., Verkhoglyad, V.E., Luganskaya, O.A. Investigating the possibility of increasing the torque of a direct current traction motor 4—34682
Manduteanu, G.V. A critical comparison between various ionization coefficients from the point of view of the reliability of breakdown voltage calculation 4—30586
Manek, B., Cuchy, Z. Utilisation of crystals in scientific research and engineering 4—29434
Manek, B. *see* Kvapil, J. 4—42592
Manen, J.van *see* van Manen, J.
Manenkov, A.A. *see* Danileiko, Yu.K. 4—42723
Manes, G.F. *see* Tortoli, P. 4—55761
Maneshi, R. *see* Spragins, J. 4—32456
Manesse, G. *see* Hautier, J.P. 4—34678
Manev, N.L. *see* Dodunekov, S.M. 4—59943
Manev, V., Moshtev, R.V., Nassalevska, A., Gushev, A., Pistoia, G. The $NaCrS_2$ cathode for secondary Li cells. II. Effect of the temperature of synthesis on its properties and cyclic performance 4—57326
Manev, V. *see* Pistoia, G. 4—62692
Maneval, J.P., Desailly, J., Pannetier, B. Subnanosecond bolometry using niobium films 4—31088
Manevich, V.Z. *see* Borisov, V.V. 4—55546
Manfield, D.R. Analysis of a polling system with priorities 4—32139
Manfield, D.R. *see* Tran-Gia, P. 4—48285
Manfield, H.G. Encyclopaedia of electronic production. XVI 4—46698
Manfras, P. *see* Seidel, V. 4—39452
Manfredi, A.G. Semi-universal chip carrier package holding fixture for branding 4—57834
Manfredi, A.G., Mazurek, E.S. Holding fixture for brand serials assembly 4—57819
Manfredi, P.F. *see* Gatti, E. 4—39477
Manfredini, A. *see* Baroni, G. 4—55870
Mang, H. *see* Haugeneder, E. 4—57103
Mang, P. Electrical testing of printed circuits without components 4—36137
Mangal, M., De, G. DC chopper with coupled-inductor commutation 4—50946
Manganaro, S. *see* Stokes, A.D. 4—62652
Mangasarian, O.L. *see* Han, S.-P. 4—35381
Mangiapane, R. *see* Burrier, R. 4—58399
Mangilev, V.I., Andreeva, E.P. Determination of load capacity of closed current lines of 60-120 MW turbogenerators 4—39866
Mangin, C.-H. Electronics assembly robots: US vs. Japan 4—57820
Mangin, C.-H., D'Agostini, S. Robots provide flexibility in electronic assembly 4—29224
Mangir, T.E. Design for testability—an integrated approach to VLSI testing 4—36764
Mangir, T.E. Sources of failures and yield improvement for VLSI and restructurable interconnects for RVLSI and WSI. I. Sources of failures and yield improvement for VLSI 4—52214
Mangoni, V. *see* Battistelli, L. 4—49724
Mangoni, V. *see* De Martinis, U. 4—62044
Mangum, P. *see* Harrison, E.T. 4—43804
Manhart, S., Barthel, G. Laser diode rangefinder—target acquisition and tracking system functional model/demonstration model 4—60918
Manheimer, W. *see* Levush, B. 4—41777
Manheimer, W.M. *see* Levush, B. 4—58692
Manian, V.S. Heat pump basics. II. Heat pumps in large commercial buildings 4—40614
Manias, S., Ziogas, P.D. A novel two stage DC to AC transistorized inverter 4—34761
Manias, S. *see* Ziogas, P.D. 4—56542
Manickam, A. *see* Arul Raj, I. 4—34871
Manicke, R.L. Unique solutions of systems of second-order nonlinear two-point boundary-value problems 4—29421
Manifacier, J.-C., Moreau, Y., Henisch, H.K. Current-controlled nonequilibrium processes in semiconductors 4—51734
Manifacier, J.-C., Moreau, Y., Henisch, H.K., Rieder, G. Response of potential probes to nonequilibrium situations 4—51870
Manifacier, J.-C. *see* Moreau, Y. 4—36332
Manikowski, J., Miszewski, M., Strachowski, K., Smykowski, J. Research into energy absorption of some driving systems in the sugar industry 4—57181
Manikowski, J. *see* Miszewski, M. 4—57180
Manishin, V.G. *see* Bespalov, V.I. 4—31421
Maniv, S. *see* Av-Shalom, A. 4—36987
Manjunath, A.S. *see* Joseph, G. 4—61401
Mank, G. *see* Drexler, J. 4—39419
Mankiewich, P.M. *see* Skocpol, W.J. 4—51899
Mankiewich, P.M. *see* Stern, M.B. 4—58825
Man'kin, I.A., Shkol'nikov, V.G. Nonstationary processes during the passage of a current pulse through a retarding system [TWT theory] 4—36217
Man'kin, I.A. *see* Kontorin, Yu.F. 4—30274
Man'ko, G.P. *see* Rvachev, V.L. 4—57984
Mankoff, D., Muehllehner, G. Performance of positron imaging systems as a function of energy threshold and shielding depth 4—44717
Mankovich, N.J., Huang, H.K. An architecture for a comprehensive radiological image processing and communication facility 4—53876
Manley, M.T. *see* Rossmere, D.L. 4—49127
Mann, D.G. Role of the consulting engineer in quality assurance 4—50560
Mann, E., Meyer, G., Siegel, A. Transmission of telecontrol signals in medium-voltage networks 4—43695
Mann, G. Standard designs of cold stores of VEB Kombinat Luft and Kaltetechnik 4—35060
Mann, J.E. *see* Jones, C.M. 4—33558
Mann, J.R. *see* Feldman, J.A. 4—53539
Mannel, F., Schreiter, W. Problems in the selection and protection of bipolar high-voltage power transistors 4—42042
Manners, G. Future markets for the power supply business 4—44937
Manners, J. *see* Durrant, A.V. 4—31482
Manninen, M., Halme, A., Myllyla, R. An aimable laser time-of-flight range finder for rapid interactive scene description 4—55689
Manning, J. Allen engines on BBC World Service 4—40676
Manning, J. *see* Chang, J. 4—33142
Manning, J. *see* Olshansky, R. 4—59530
Manning, J. *see* Su, C.B. 4—31370, 4—42614
Manning, J.J. *see* Gray, L.H. 4—62313
Manning, P. *see* Watton, R. 4—55460
Manning, P.E. *see* Wu, J.B.C. 4—29213
Manning, R.E. *see* Baldwin, D.T. 4—40637
Manning, R.J. *see* Miller, A. 4—47506
Manning, T.J. *see* Babij, T.M. 4—61511
Manno, J.Di *see* Di Manno, J.
Mannweiler, E. *see* Abmayr, W. 4—38062
Mano, A, Ozawa, S. Sound source extraction from envelope of residual waveform using LPC analysis 4—31924
Mano, F. *see* Koinuma, T. 4—38400
Mano, M.M. Digital design 4—50307
Mano, S., Tsutsumi, T., Katagi, T. Pattern synthesis of array-fed reflector antennas 4—42939
Mano, S. *see* Chiba, I. 4—42996
Mano, S. *see* Katagi, T. 4—47664
Mano, S. *see* Shindo, M. 4—29516
Mano, T. *see* Yamada, J. 4—58340
Manohar, R., Stephenson, J.W. High order difference schemes for linear partial differential equations 4—29417
Manoharan, R. *see* Shukla, A.K. 4—50115
Manoilenko, A.N. *see* Iskhakov, A.S. 4—34623
Manoilo, V.S., Kulik, N.V., Tereshin, V.I., Chebotarev, V.V., Lishenko, B.A., Shevchuk, B.A., Voznyi, V.I. High-power vacuum-tube modulator with pulse-width control 4—46390
Manoilova, O.N. *see* Izotov, V.A. 4—62550
Manolakis, D., Carayannis, G., Kalouptsidis, N. On the computational organization of fast sequential algorithms 4—53772
Manolakis, D. *see* Carayannis, G. 4—53771
Manolakis, D. *see* Kalouptsidis, N. 4—53671
Manolakis, D.G. *see* Kalouptsidis, N. 4—31962
Manolescu, G., Ciobanu, M., Sevastru, A., Petrescu, A.M., Moraite, G. Operation reliability criteria approached in the transmission network planning and development 4—56495
Manolov, E.D. *see* Vulkov, S.A. 4—41377
Manoranjan, V.S., Mitchell, A.R., Sleeman, B.D., Yu, K.P. Bifurcation studies in reaction-diffusion 4—50721
Manoylova, O.N. *see* Fetisov, V.V. 4—57069
Manriquez, R. *see* Bushell, M. 4—31691
Manry, M.T. Parameter estimation algorithms utilizing implicit phase 4—53694
Mansfield, D.K., Johnson, L.C., Chouinard, R. A 750 mW high power CH_3OH laser operating at 119 μm 4—42565
Mansfield, D.K. *see* Semet, A. 4—59676
Mansfield, P. Treatment of errors 4—33081
Mansfield, P. Interference control in measurement engineering 4—37616
Mansfield, P. Effective earthing means more than good housekeeping 4—61178
Mansfield, S.K. Universal EPROM programmer 4—51221
Mansingh, A. *see* Krupanidhi, S.B. 4—36358
Mansion, D. Applications of power semiconductors 4—30576
Mansion, D. To measure temperatures: 'th' sensors 4—33519
Mansion, D. Perimeter break-in detectors 4—35252
Mansion, D. Applications of rectifying diodes and thyristors 4—46984
Mansion, D. For temperature measurement there is also . . 4—48906
Mansion, J.L. *see* Berry, G. 4—38391
Mansky, A.W. A comparison of two communication networks for videotex systems 4—43725
Mansky, A.W. An information representation protocol for videotex systems 4—54382
Mansour, D. Efficient nonlinear system identification 4—53357
Mansour, N.A. Numerical technique for the solution of nonlinear differential equations characterizing oscillatory systems 4—29428
Mansour, S.Y., Kelly, D.H., Koval, D.O. Economic dispatch of large power systems using a piecewise network loss model 4—62088
Mansour, S.Y., Kelly, D.H., Koval, D.O. Network loss model parameter estimation for power systems economic dispatch 4—62090
Mansour, S.Y., Koval, D.O., Kelly, D.H. Large power systems generation scheduling by a diak-optical network loss model 4—34133
Mansour, S.Y. *see* Koval, D.O. 4—62216
Mansour, W.M. *see* El-kassas, S.I. 4—57198
Mansuripur, M. High-density magneto-optical disk storage and the effect of finite beam size in readout 4—59281
Mansuripur, M., Connell, G.A.N. Energetics of domain formation in thermomagnetic recording 4—36992
Mansuripur, M., Connell, G.A.N. Magneto-optical recording 4—47309
Mante, J. *see* Lehmann, B. 4—49041
Manteuffel, T.A. *see* Chin, R.C.Y. 4—40989
Manthei, L.W. *see* Arnold, O.E. 4—29229
Mantovani, G.C. *see* Conta, C. 4—56031
Mantovani, J.C., Denny, H.W. Technique for locating passive intermodulation interference sources 4—59814
Mantrawadi, S.C. *see* Gupta, R.P. 4—34537
Manuel Pereira Cabrita, C. Phase control and control by sectors—harmonic content of direct voltage and analysis of the commutation of traction motors 4—45694
Manukyan, R.M. *see* Popov, V.I. 4—34619
Manus, E.A. *see* Marshall, R.E. 4—49459
Manwinder Singh *see* Singh, N.P. 4—56221
Manykin, E.A. *see* Bykovskii, Yu.A. 4—51768
Manz, B. Antennas in the 80s: tweaking as an art form 4—59850
Manzhos, V.N., Zinevich, E.P., Karasev, F.V. Efficiency of two-position reception using discrete algorithms in the frequency domain 4—31986
Manzi, R. Fibre optic connectors and joints 4—31098
Mao, N.-H. *see* Ju, X.-D. 4—47686
Mao, R.S. *see* Cheung, S.K. 4—46431
Mao, R.S. *see* Cordaro, W. 4—46429, 4—51220
Mao, R.S. *see* Hengst, R.J. 4—58421
Mao Yu *see* Zou Zhiyi 4—49061
Mao Yuhai *see* Lin Daimao 4—31984
Mao-cheng Cai On a problem of Katona on minimal completely separating systems with restrictions 4—29354
Mao-dong Ye *see* Ye Mao-dong
Mao-heng Liu *see* Liu Mao-heng
Mao-san Liu *see* Liu Mao-san
Maoqi He *see* He Maoqi
Maoquan Huang *see* Huang Maoquan
Maoquan Wang *see* Wang Maoquan
Maor, I. *see* Netzer, M. 4—37676
Mapelli, L. *see* Beer, A. 4—61682
Mapelli, L. *see* Conta, C. 4—56031
Maples, D. *see* Cundy, V.A. 4—45208
Mapps, D.J., Watson, M.L., Warner, S.C. Conductor optimisation in thin-film, high track-density compact cassette heads 4—42269
Mapps, D.J., White, C.E. Magnetostriction harmonics measurement using a double piezoelectric transducer technique 4—48998
Mapps, D.J., White, P.J., Roberts, G. Pivot contact behavior in low-inertia snap-action rocker switches 4—41663
Mar, H.A., Chee, K.T., Salansky, N. MBE grown CdTe films on (001)GaAs and (001)InSb 4—50762
Mar, H.A., Salansky, N., Chee, K.T. Study of the initial stages of growth of CdTe on (001) GaAs 4—35473
Maracas, G.N., Moore, D., Kim, J.K., Sillmon, R.S., Bedair, S.M., Hauser, J.R., Carruthers, T., Figueroa, L. A novel GaInAs/GaAs heterostructure interdigital photodetector (HIP) using lattice mismatched epitaxial layers 4—61379
Maracas, G.N. *see* Golio, J.M. 4—47050, 4—58934
Maragos, P.A., Schafer, R.W. Morphological skeleton representation and coding of binary images 4—60228
Marakhonov, V.I. *see* Bryksin, V.V. 4—53113
Marakhovskii, V.I. *see* Rozhentsev, V.S. 4—39314
Marana, G. *see* Chamorro, J.L. 4—49191
Marangelli, B. *see* Fanelli, A.M. 4—60431
Marangunic, L. Failure distributions with increasing failure rate and a possibility of their partial ordering 4—29292
Marasev, V.I. *see* Eletskii, V.S. 4—33790
Marasimhamurthi, N. Online real power scheduling in marginally secured power systems 4—45002
Maraun, R. BBC—partner for Saudia Arabia's large industry in Yanbu 4—40346
Marbach, K.D. Method to detect an open magnetoresistive element 4—52461
Marbukh, V.V. Investigation of a fully connected channel switching network with many nodes and alternative routes 4—60279
Marca, J.R.B.de *see* de Marca, J.R.B.
Marcatili, E.A.J. Waveguides and subpicosecond switching 4—31180
Marcatili, E.A.J. Optical fiber theory 4—52605
Marcatili, E.A.J. *see* Alferness, R.C. 4—37171

Marcatili, E.A.J. *see* Korotky, S.K. 4—37182
Marceau, R.J., Do, X.-D. On the incidence of ground grids on short-circuit forces in high-voltage stations 4—34229
Marcelin, J.-P. *see* Beer, A. 4—61682
Marcellino, A. *see* Wohlschlegel, M.V. 4—49765
Marcello, V. *see* Johnson, T.A. 4—36651
March, R. *see* Aprile-Giboni, E. 4—55812
March, S.W. *see* Roy, W.S. 4—60663
Marchal, A. Exploitation of Unit No.2 of the Tihange nuclear power station 4—56734
Marchand, C., Foggia, A. 2D finite element program for magnetic induction heating 4—35047
Marchand, D.A., Kresslein, J.C. South Carolina no longer a state of information confusion 4—43738
Marchand, J. Chopper controlled drives on the Paris Underground—the results of five years use and future prospects 4—35020
Marchand, M. *see* Dumas, D. 4—52787
Marchand, P. Overview on the French OTEC program in 1983 4—62469
Marchant, A.H. Hall effect devices for relay and other applications 4—46990
Marchenko, A.I. *see* Budennaya, L.D. 4—40433
Marchenko, I.G. *see* Korshunov, F.P. 4—46853
Marchenko, V.G. Fields of wide-aperture resonators formed by plane reflectors 4—42672
Marchente, M. VSLI—an economic and technological choice 4—30475
Marchente, M. *see* Silvestri, L. 4—52268
Marchesi, C., Olivero, S., Paladin, G., Palandri, M., Pellegrini, G. Analogue transmission of video signals and applications to telemedicine 4—44300
Marchesini, R. *see* Fava, G. 4—33869
Marchetti, G. *see* Corsini, G. 4—47707
Marchetti, J.R. *see* Sanjana, Z.N. 4—46678
Marchetti, P.G. Synchronizers analysis in presence of multipath fading 4—60679
Marchetti, P.G. *see* Kosmopoulos, S.A. 4—60767
Marchetti, R. *see* Vietri, G. 4—37279
Marchetti, S. *see* Giorgi, M. 4—37293
Marchevskii, F.N. *see* Apanasevich, P.A. 4—42504
Marchevsky, S. *see* Chmurny, J. 4—60038
Marchi, A.De *see* De Marchi, A.
Marchini, E. Controlling the speed of a small DC motor 4—40265
Marchini, L. Parsons' steam turbine generator—100 not out and batting on 4—45303
Marchiotti, I. A Z80-controlled stepping motor 4—57079
Marchuk, Yu.V. *see* Avrorin, A.V. 4—35539
Marcille, R., Garcin, G., Blot, F. New display system to give French operators post-accident support 4—62324
Marciniak, L. *see* Cieslewicz, K. 4—49647
Marciniak, R. A message network built to knit the far-flung summer Olympics 4—48195
Marcinkowski, S. The effect of the power plant turbine operation conditions on the erosion of blades in the last turbine stages in the light of the steam expansion investigation in low pressure parts of turbines 4—56824
Marco, G.E. *see* Coonce, H.E. 4—59805
Marco, N.De *see* De Marco, N.
Marconi, F. *see* Giavarini, A. 4—41725
Marconicchio, F. *see* Carassa, F. 4—60794
Marcotte, S.F., Jr. *see* Toukhy, M.A. 4—58836
Marcou, F.D. *see* Gomez, R.S. 4—52199
Marcoux, L. The Galileo probe Li/SO_2 battery 4—40399
Marcoux, L., Allen, D.M. Conceptual design of a large spacecraft power system utilizing a sodium-sulfur battery 4—40398
Marcovici, J.-C. User-host dialogs for automated program banks in videocommunication networks 4—44259
Marcus, D.A. Gale diagrams of convex polytopes and positive spanning sets of vectors 4—57919
Marcus, G.D. *see* Papantoni-Kazakos, P. 4—32126
Marcus, L.S. *see* Lawrence, S. 4—51613
Marcus, M.A. Performance characteristics of piezoelectric polymer flexure mode devices 4—52349
Marcus, R.B. Diagnostic techniques 4—42128
Marcuse, D. Microdeformation losses of single-mode fibers 4—37089
Marcuse, D., Lee, T.-P. Rate equation model of a coupled-cavity laser 4—31410
Marcuse, D. *see* Chraplyvy, A.R. 4—31121, 4—32832
Marcuse, D. *see* Wiesenfeld, J.M. 4—59476
Marcuvitz, N. *see* Lee, S.-Y. 4—47591
Marcuz, A. *see* Beam, D.L. 4—53097
Mard, M.P. Control laws of electric machines 4—57401
Mardiguian, M., White, D.R.J. Design for ESD immunity rather than retrofit 4—37525
Mardiguian, M., White, D.R.J. Radar jams HF communications 4—37678
Mardiguian, M. *see* White, D.R.J. 4—59790
Marechal, L. The racer [standard functions in high-speed CMOS] 4—58240
Marein, P.L. *see* Vilenchik, L.S. 4—39195
Marek-Sadowska, M. An unconstrained topological via minimization problem for two-layer routing 4—52150
Marek-Sadowska, M., Li, J.-T. Global router for gate array 4—36773
Marek-Sadowska, M. *see* Kuzmicz, W. 4—36165
Marek-Sadowska, M. *see* Li, J.T. 4—58292
Marek-Sadowska, M. *see* Tarng, T.T.-K. 4—51611
Marel, G. *see* Bizzarri, R. 4—55976
Marending, P. *see* Fluhr, J. 4—60871
Maresca, P.A. *see* Morton, T.P. 4—38669
Maresh, R.M., Mikhailenko, Yu.M. Volume of the strong-field region of a Gaussian beam 4—59583
Marette, J. The outline of Paris cable television, based on optic fibres 4—44082
Margalit, M. *see* Baram, Y. 4—61895
Margalit, S. *see* Chen, Z.H. 4—36549
Margalit, S. *see* Kapon, E. 4—52949, 4—53002
Margalit, S. *see* Katz, J. 4—47447, 4—59533
Margalit, S. *see* Rav-Noy, Z. 4—52084, 4—52114
Margarino, J. *see* Coulibaly, S.P. 4—51802
Margaritondo, G., Capasso, C., Patella, F., Perfetti, P., Quaresima, C., Savoia, A., Sette, F. Order, disorder, and band discontinuities at ZnSe-Ge heterojunctions 4—46845
Margaritondo, G. *see* Daniels, R.R. 4—58777
Margaritondo, G. *see* Quaresima, C. 4—46862
Margaritondo, G. *see* Turowski, M. 4—40430
Margery, C. *see* Chassignet, C. 4—62296
Marginedes, D. Fast frequency tracking using an adaptive lattice filter for a vortex flowmeter signal 4—53672
Margolese, D.I. *see* Prussin, S. 4—51979
Margolin, A.D., Saraikin, S.V., Shmelev, V.M. Oscillatory instability of a CO laser gas discharge plasma 4—37305
Margolin, B. International power supplies 4—40330
Margolin, B. Power supply testing—an expense or potential profit center? [test management] 4—57165
Margolin, L.Ya *see* Kazantsev, S.A. 4—47537
Margos, P.A., Mersereau, R.M., Schafer, R.W. Multichannel linear predictive coding of color images 4—60231
Marguerre, H. The industrial use of holography 4—37484
Marguerre, H. The golden middle way [A/D convertor] 4—46520
Marguerre, H.H. Holography. 3D picture by laser light 4—31507
Margulies, S. Limited-streamer-mode characteristics of a single-wire, cylindrical-cathode detector 4—33694
Margulis, K.M. *see* Frukhtman, M.L. 4—33431
Margulis, W., Sibbett, W. Ultrafast voltage pulse shaping for streak and framing camera deflection 4—58201
Margulova, T.Kh., Akol'zin, P.A., Razumovskaya, E.D. Concentrations of gaseous oxygen when adding it to the condensate of supercritical generating units 4—40106
Margulova, T.Kh. *see* Tyapkov, V.F. 4—49672
Marhefka, M., Cutrone, D. Coping with static electricity. XLIII. Effective static protection: an all-or-nothing endeavor 4—29205
Marhenkel, H. . . . Or how energy control systems optimize the energy applications 4—34053
Marhic, M.E. Hierarchic and combinatorial star couplers 4—52582
Marholova, O. *see* Smrcek, K. 4—57316
Mari, J.F., Haton, J.P. Some experiments in automatic recognition of a thousand word vocabulary 4—53547
Maria, G.De *see* De Maria, G.
Maria, H. *see* Dalmasso, J. 4—39435
Mariam, F. *see* Bolton, R. 4—55816
Marianeschi, E., Tili, T. A note on the smallest defect that can be detected using ultrasonics 4—41122
Mariani, E., Mastroianni, F., Romano, V. Field experiences in reenergization of electrical networks from thermal and hydro units 4—56470
Mariani, E.A. Review of new military specification of surface acoustic wave devices 4—30935
Mariani, J. Cue identification (recognition) 4—43236
Mariani, J., Prouts, B., Gauvain, J.L., Gangolf, J.J. A man-machine speech communication system including word-based recognition and text-to-speech synthesis 4—53482
Mariani, J. *see* Carre, R. 4—53574
Mariani, J. *see* Gauvain, J.-L. 4—59999
Mariani, J. *see* Hutchison, D. 4—38270
Mariani, J.A., McGregor, D.R. Vulcan: a modified viewdata system with improved indexing and formal hierarchy definition language 4—43697
Mariani, L. The clinical engineer and the biomedical equipment technician: two new professional figures for management of new technologies in hospitals 4—33786
Marie, A. Comparative study between SIR-A and Landsat images on the Western part of the Grand Erg Occidental (Algeria) 4—33957
Marietti, P. *see* Bolle, G. 4—33114, 4—34922
Marigodov, V.K. Allowance for the signal phase spectrum in data transmission systems with predistortion and correction 4—54381
Marillac, M.Donker de *see* Donker de Marillac, M.
Marin, D. *see* Chamorro, J.L. 4—49191
Marin, P. An output level indicator with 20 LEDs 4—38951
Marin, V.P. *see* Kapustin, V.I. 4—41747
Marinaccio, F.A. *see* Collini, G.J. 4—58846
Marincic, A.S. *see* Temerinac, M.R. 4—51053
Marinelli, A. Hi-Fi equipment selection guide: domestic application 4—38956
Marinelli, A. A guide to the choice of a stereo amplifier for private use 4—38957
Marinelli, A. The HiFi equipment selection guide: the rotating discs 4—38958
Marinelli, A. The suppression of bass rumble and noise in Hi-Fi equipment 4—38960
Marinelli, A. Guide to the choice of a hi-fi equipment. II. The magnetic recorder 4—38985
Marinelli, A. A guide to the choice of stereo Hi-Fi—the tuner 4—44334
Marinelli, A. Revolution in sound reproduction: the Compact Disc 4—44335
Marinelli, A. Some techniques of wire diffusion [stereophonic transmission] 4—48563
Marinero, E.E. *see* Rettner, C.T. 4—59590
Marinescu, R. *see* Silard, A. 4—34883
Marinets, V.P. *see* Lukenyuk, A.A. 4—53907
Marinis, T.F., Reinert, R.C., Sherry, W.M. Impact of external lead design on the fracture of HIC-PWB assemblies subject to bending 4—58652
Marino, J.T., Jr. Low-cost hardware logic simulator/fault grade machine 4—58227
Marino, P. *see* De Maria, G. 4—57433
Marino, R. An example of a nonlinear regulator 4—40225
Marinov, C. Qualitative properties of I^p-solutions of infinite differential system via dissipativity 4—46072
Marinov, R.A. *see* Smagin, V.N. 4—40109
Marioli, D. *see* Gatti, E. 4—39477
Marion, A. *see* Sorger, G. 4—39124
Marion, A. *see* Turner, T. 4—55657
Mariotti, L. Practical operation of an electronic checker of the state of charge and the ageing of lead acid batteries 4—62691
Marique, C., Juseret, R. Probabilistic approach of nuclear plant refuelling periods for assessing power system reliability in Belgian planning practice 4—34058
Maris, O., Atis, K., Andris, K. Nonhomogeneity of light modulation by PLZT retardation plates 4—31090
Mariscotti, M.A.J. *see* Perez Ferreira, E. 4—33564
Mark, J., Brown, A., Matthews, T. Quantization reduction for evaluating laser gyro performance using moving average filter 4—59681
Mark, J.W. Integrated voice/data services on a dual-ring local area network 4—32611
Mark, J.W., Limb, J.O. Integrated voice/data services on Fasnet 4—38155
Mark, J.W. *see* Hrvatin, S.E. 4—53466
Mark, J.W. *see* Stuber, G. 4—59900
Mark, J.W. *see* Todd, T.D. 4—48261
Mark, R.G. *see* Albrecht, P. 4—49228
Mark, T.D. *see* Ritter, W. 4—55931
Marka, F. *see* Bednar, J. 4—45308
Markahonov, V.I. *see* Petrov, M.P. 4—52706
Markakis, J.M. *see* Iwanczyk, J.S. 4—33709
Markaryan, G.S. A method of synthesizing balanced alphabet codes for digital transmission systems 4—53410
Markelj, M. *see* Peterlin, P. 4—49503
Markelova, G.E. *see* Bilenko, D.I. 4—30369
Marker, D.E. Electrical energy management in industry 4—49557
Markfort, D. High-temperature, modular, nuclear power station for the power and heat market 4—62317
Markhasin, A.B. Analysis of protocol of shared access to noisy radio channels 4—43924
Markhasin, A.B. Architecture of radio data networks with monitored multiple access 4—48376
Markhauser, F. *see* Bantin, C. 4—54652
Markin, T.L. *see* Dell, R.M. 4—45613
Markizov, A.S. *see* Gershberg, A.E. 4—48594
Markle, W. The development and application of Colorization 4—60222
Marklin, R.W., Jr. Connector for shielded cable 4—51600
Markmann, A. Cheaper methods for producing video graphics 4—55000
Markoff, J. BYTE West Coast: bulletin boards in space 4—44019
Markoff, J. Trends in telecommunications 4—48187
Markoff, J. High-school district sets up school-to-home network 4—54323
Markon, S., Okada, T. On the direct solution of two-dimensional eddy current problems 4—37533
Markot, V. Development of the electrical equipment industry in the Latvian SSR 4—29218
Markov, A.A. *see* Gurvich, A.K. 4—35548
Markov, E.V. *see* Kozlovskii, V.I. 4—42610
Markov, F.V. *see* Kaplun, I.M. 4—33314
Markov, I., Valova, E., Ilieva, M., Kristev, I. Structure and morphology of CdS thin films electrodeposited in fused salts 4—29510

Markov, K.G. Investigation of the properties and approximation of the characteristics of a single crystal YIG resonator at low and threshold powers 4—36976
Markov, L.N., Khlyakin, V.B. Optimum estimation of shift of random static fields 4—53138
Markov, N.N., Satserdotov, P.A. Temperature regime as a criterion for estimating the error due to thermal deformation 4—33469
Markov, P.I. *see* Lobanov, A.A. 4—55671
Markov, Yu.A. *see* Ledovskii, A.N. 4—34672
Markova, V.N., Klimenko, G.K., Kaskevich, O.K. Special features of semiconductor adsorption sensitive elements. Thermal characteristics 4—36265
Markovich, V. Take time monitor 4—46708
Markovskii, Yu.G., Minaev, E K., Polyakov, V.I., Sychev, V.I. Fault indications in MV-3B vibrator power supply 4—34758
Markow, M. Research at KTH gives improved reliability of electricity distribution 4—39764
Markow, M. Better step motor control with microprocessors 4—40277
Markow, M. Despite intensive research—lead batteries dominate in cars 4—40376
Markow, M. Power supply key: correctly chosen equipment can save a lot of money [computers] 4—45169
Markowich, P. *see* Franz, A.F. 4—36612
Markowich, P. *see* Franz, G.A. 4—36508
Markowich, P.A., Ringhofer, C.A. A singularly perturbed boundary value problem modelling a semiconductor device 4—52045
Markowich, P.A. *see* Agler, W. 4—36507
Markowski, C.A., Ignizio, J.P. Theory and properties of the lexicographic linear goal programming dual 4—29379
Marks, G. *see* Ahmed, S. 4—56248
Marks, J. *see* Ahme, J. 4—39470
Marks, L. Competition stimulates use of components and PC testers 4—29225
Marks, L. Computer-based automatic test equipment expands its role 4—33106
Marks, L.V. *see* Iverson, J.H. 4—41314
Marks, M.E. *see* Chen, K. 4—35005
Marks, R.A. *see* Askew, J.C. 4—35284
Marks, R.J., II, Radbel, D. Error of linear estimation of lost samples in an oversampled band-limited signal 4—53623
Marks, R.J., II, Smith, D.K. Gerchberg-type linear deconvolution and extrapolation algorithms 4—43429
Markstein, H. Changing technology affects component lead preparation 4—30204
Markstein, H.W. Materials handling systems support the automated factory 4—29223
Markstein, H.W. Rogers fine-tubes bus bar fab 4—29252
Markstein, H.W. Packaging hardware evolves with advancing technology 4—29254
Markstein, H.W. Automatic optical inspection improves multilayer yields 4—30182
Markstein, H.W. Surface-mount substrates: the key in going leadless 4—46732
Markstein, H.W. Smaller PCB holes require new drill designs 4—51636
Markstein, H.W. Wire bonding surges toward market growth and new technology 4—51688
Markstein, H.W. New goals shape test switch matrix packaging 4—55175
Markus, D.R. *see* Kimmel, D.S. 4—49844
Markushevich, N.S. Energy conserving management of electric network operating regimes 4—62038
Markushevich, N.S. Prospects of the development of an automated system of dispatcher control at electric power supply undertakings 4—62049
Markyavichyus, V.P. *see* Rupkus, S.S. 4—36981
Marlard, P., Mille, T., Ruyer, J.P. Improvements to module packaging 4—29264
Marlevi, A. *see* Brandt, H. 4—54035
Marley, J. The use of a federation of electronic modules in future automobiles 4—57497
Marmaras, E., Brush, W. Regency net (RN): the communications system of the future 4—32649
Marmillion, N.P., Pochop, C.G., Puttlitz, A.F. High temperature lift-off structure 4—58845
Marmillion, N.P., Previti-Kelly, R.A. Dry etch single via process 4—46950
Marnet, C., Kassebohm, B. Atmospheric contamination reduction from a power station by the use of boundary layer combustion 4—34411
Marolf, J.W. *see* Clark, S.E. 4—42170
Marom, E. *see* Meron, P. 4—37145
Marongiu, I., Rotondale, N. Forced oscillations of induction motor 4—49890
Marov, N.N., Panova, Z.V., Rezanova, O.I., Golosov, V.V., Trepalina, V.I., Vavzhina, S.V. Change in electrophysical properties of MOS structures during plasma chemical removal of photoresist 4—36484
Marowsky, G., Gierulski, A., Reider, G.A., Schmidt, A.J. Interferometric enhancement of surface-generated second-harmonic radiation 4—42696
Marowsky, G. *see* Tittel, F.K. 4—37321
Marpinard, J.C. *see* Capel, A. 4—57190
Marple, S.L., Jr. A tale of two periodi(cities)—the case for spectral estimation performance metrics 4—37964
Marple, S.L., Jr. A fast least squares linear phase adaptive filter 4—53755
Marquardt, B. *see* Kocherscheidt, G. 4—61439
Marquardt, G. Humidity-sensitive field effect transistors 4—44504
Marques, C.A. Low-cost A/D converters with microprocessor 4—35883
Marques, M. *see* James, J.W. 4—38394
Marques, R. *see* Horno, M. 4—42906
Marquez, J., Ulmet, J.P., Leotin, J. Fiber optical triggering of a high power thyristor switch 4—45499
Marquez-Montes, J. *see* Hernandez, C. 4—49239
Marquez-Reines, M. *see* Jamison, D.A. 4—37555
Marquez-Reines, M. *see* Jamison, K.A. 4—42824
Marquis, F., Groves, C.K. An advanced ISO-HCMOS ULA for semi-custom applications 4—58248
Marraud, A., Bonnet, M. Restitution of a stereoscopic picture by means of a lenticular sheet 4—43417
Marrello, V. *see* Chen, M. 4—52541
Marrero, J.L.R. *see* Predmore, C.R. 4—44197
Marrian, C.R.K., Thomas, R.E. The electronic activation by barium and oxygen of different tungsten crystal orientations 4—30242
Marrin, K. Improved efficiency, size, input ranges adapt DC/DC converters to telecomm use 4—49952
Marrin, K. 19-in. cabinets sport shielding for FCC compliance [with hardware and interconnect device product guide] 4—59766
Marriott, M. *see* Macfarlane, P.W. 4—49278
Marriott, V. High resolution positive resist developers: a technique for functional evaluation and process optimization 4—36675
Marriott, V., Lin, Y.-C., Fuller, G. Resolution enhancement of positive photoresist through optimization of thermal processing 4—58948
Marriott, V. *see* Lin, Y.-C. 4—58831
Marrocchesi, P.S. *see* Amendolia, S.R. 4—49068
Marrone, M.J., Rashleigh, S.C., Blaszyk, P.E. Polarization properties of birefringent fibers with stress rods in the cladding 4—42364
Marrone, M.J. *see* Miles, R.O. 4—37090
Marrs, C.D., Faith, W.N., Dancy, J.H., Porteus, J.O. Laser damage measurements at 492 nm using a flashlamp-pumped dye laser 4—37515
Marsaglia, G., Olkin, I. Generating correlation matrices 4—40912
Marsaglia, G., Wai Wan Tsang A fast, easily implemented method for sampling from decreasing or symmetric unimodal density functions 4—40911
Marsan, A.Ajmone *see* Ajmone Marsan, A.
Marsan, A.M., Bandieri, E., Barbati, C., Fersini, D. Approximate throughput and delay analysis of multihop packet radio networks 4—32138
Marsan, A.M., Camarda, P., Roffinella, D. Throughput and delay characteristics of multichannel CSMA-CD protocols 4—32134
Marsan, M.Ajmone *see* Ajmone Marsan, M.
Marsden, J.E. *see* Salam, F.M.A. 4—49553
Marsden, R.G., Henrion, J., Sanderson, T.R., Wenzel, K.-P., De Bray, N., Blok, H.P. Calibration of a space-borne charged particle telescope using protons in the energy range 0.4 to 20 MeV 4—39437
Marsh, A. Printing submicron features beyond the normal optical resolution limit using a multilevel resist technique 4—36666
Marsh, A. Yield detraction in simple photoengraving 4—36680
Marsh, B. Epicyclic gears for offshore gas turbine driven reciprocating compressors 4—40681
Marsh, J.H. *see* Miller, A. 4—47506
Marsh, K.A. *see* Richardson, J.M. 4—50869
Marsh, R.W., Jr. Digitally controlled analog ramp generator 4—29705
Marsh, S.J. *see* Kapetanakos, C.A. 4—39385
Marsh, S.P. *see* Peterson, D.R. 4—42788
Marshak, A.H. *see* Van Vliet, C.M. 4—41806
Marshal, B. *see* Cheng-Huei Lin 4—47430
Marshall, A. Running LEDs from a 1V5 battery 4—29645
Marshall, A., Irven, J., Pitt, N.J. Hydrogen and deuterium gas-in-glass effects in single mode optical fibres 4—52683
Marshall, A. *see* Pitt, N.J. 4—42349, 4—52685
Marshall, C. Low power shaft encoder [using flip-flops] 4—35900
Marshall, C. Temperature compensated charger 4—57150
Marshall, C. Three phase square wave output generator 4—58197
Marshall, D.B. Surface damage in ceramics: implications for strength degradation, erosion and wear 4—41138
Marshall, G.D., Bloom, P.J. Wordfit: a digital audio signal processing system for automatic time alignment of post-synched dialogue 4—39097
Marshall, G.D. *see* Bloom, P.J. 4—53669
Marshall, I. North America—what's up and what's coming [satellite communications] 4—44066
Marshall, J.M., Street, R.A. On the sensitivity of transient photodecay measurements as a probe of localised state distributions in amorphous semiconductors 4—31217
Marshall, P. International satellite services 4—61071
Marshall, R. Ocean thermal energy conversion for developing countries 4—34512
Marshall, R. Designing a constant current limit circuit 4—35638
Marshall, R.A. A reusable inverse railgun magnetic flux compression generator to suit the earth-to-space-rail-launcher 4—42780
Marshall, R.A. Current flow patterns in railgun rails 4—42785
Marshall, R.A. Plasma puffing from a railgun armature 4—42791
Marshall, R.A. The use of nested chevron rails in a distributed energy store railgun 4—42820
Marshall, R.E., Pratt, T., Manus, E.A., Stapor, D.P., Andrews, J.H. S band radar differential reflectivity measurements in multiple polarization planes along satellite slant paths 4—49459
Marshall, R.P. *see* Doherty, T.J. 4—40520
Marshall, T.G., Attikiouzel, J., Albisser, A.M., Welborn, T.A. Three generations of insulin infusers 4—49288
Marshall, T.G., Jr. Decoding of real-number error-correcting codes 4—31892
Marshall, T.G., Jr. Coding of real-number sequences for error correction 4—37861
Marshall, T.G.J., Jr. Coding of real-number sequences for error correction: a digital signal processing problem 4—53386
Marshall, W. Nuclear fatalities 4—29210
Marshall, W.G., Leek, R., Hampson, N.A., Lovelock, G.R. A nickel-cadmium cell residual charge analyser 4—45603
Marshall, W.K. *see* Robinson, D.L. 4—59917
Marshburn, T., Batchman, T.E. Noise analysis of a submillimeter electromagnetic field strength probe 4—61354
Marshik, D.D. *see* Cornwell, J.H. 4—55678
Marsico, R., Eaton, J.T. AEP develops a grouted strand guy anchor 4—56656
Marsolais, E.B., Kobetic, R. Electrical activation of muscles for open-loop walking 4—56191
Marsolais, E.B., Kobetic, R., Cochoff, G.F., Peckham, P.H. Reciprocal walking in paraplegic patients using internal functional electrical stimulation 4—56195
Marsoner, H.J. *see* Kroneis, H.W. 4—49114
Marston, R. Power-supply circuits 4—58154
Marszalek, W. On the inverse Laplace transform of irrational and transcendental transfer functions via block-pulse functions method 4—50618
Marszalek, W. Block-pulse functions method of the inverse Laplace transform for irrational and transcendental transfer functions 4—57896
Marszalkiewicz, K. *see* Andruszkiewicz, J. 4—34751
Marszalkiewicz, K. *see* Mitkowski, E. 4—45088
Mart, L., Nurnberg, H.-W., Dyressen, D. Low level determination of trace metals in Arctic sea water and snow by differential pulse anodic stripping voltammetry 4—44923
Martarelli, G. *see* Gagliardi, F. 4—51583
Martarelli, G. *see* Giorgi, A. 4—34722
Martel, R.A. *see* McLendon, T.R. 4—35107
Martelli, A. *see* Lamberti, C. 4—49272
Martelli, F.G., Zunino, E. Development of high efficiency last stage buckets for steam turbine 4—34444
Martelli, M. A new approach to the transient behavior of electrical machines 4—62493
Martens, J. Discrete Fourier transform algorithms for real valued sequences 4—43341
Martens, J.B. Polynomial products by means of generalized number theoretic transforms 4—53628
Martens, J.B. Convolution algorithms, based on the CRT (Chinese remainder theorem) 4—60043
Martens, J.P., De Mey, G., Vanwormhoudt, M.C. CADLEM: a simulation program for non-linear electronic networks 4—50921
Martens, J.W.D., Erman, M., van Noort, H.M. A non-destructive analysis of the influence of sputter-etching on the magnetic surface properties of manganese zinc ferrite (100) surfaces using ellipsometry and the polar magneto-optical Kerr effect 4—47176
Martens, J.W.D., Peeters, W.L. Interference enhanced magneto-optic Kerr rotation of thin cobalt ferrite films 4—47310
Martens, W. *see* Pfurtscheller, G. 4—49192
Marth, H. *see* Spanner, K. 4—30885
Martikainen, O., Lehtinen, P. Calculation of time-varying blocking probability on the basis of measured traffic 4—54121
Martin, A.J. *see* Goodman, J.M. 4—32652
Martin, A.L. Amplitude distortion: a means of characterising line-of-sight microwave radio paths during multipath fading 4—60675

Martin, A.R., Mendenhall, M. A fast, accurate, and sensitive method for measuring surface transfer impedance 4—39268
Martin, B. High resolution photolithography and deep UV hardening of an experimental positive resist 4—51942
Martin, B. *see* Hitchner, J. 4—31542
Martin, B., Jr., Swatt, E.P. Electrical alignment measurement structure 4—33462
Martin, C.S. *see* Parmesano, H.S. 4—34054
Martin, C.W., Heber, A.J. Solar powered nitrogen fixation 4—34507
Martin, D. *see* Gonzalez-Hernandez, J. 4—30302, 4—46232
Martin, D.J. MEP microelectronics for all 4—40730
Martin, D.J. *see* Chuang, C.A. 4—59881
Martin, D.J.R. Leaky-feeder radio communication: an historical review 4—60680
Martin, D.J.R. *see* Davis, Q.V. 4—60681
Martin, D.L. *see* Cahill, G.J. 4—49737
Martin, D.L. *see* Livingston, J.D. 4—36995
Martin, E. *see* Villalba, C.R. 4—46604
Martin, E.Blanco *see* Blanco Martin, E.
Martin, E.H. *see* Sovero, E.A. 4—30013
Martin, F.D., Montana, W.M., David, F.F. Field instruments: precautions for adverse environments 4—57794
Martin, F.W. *see* Hain, J.A. 4—51557
Martin, G., Cosin, J., Gimeno, J., Guillen, M.I., Baguena, J. Differences in the time course of the power spectrum during ventricular fibrillation 4—49262
Martin, G., Gimeno, J.V., Cosin, J., Guillen, M.I. Calculations on the determination of the indices of ventricular relaxation based on the curve of ventricular pressure 4—49136
Martin, G.E. Degradation of angular resolution for eigenvector-eigenvalue (EVEV) high-resolution processors with inadequate estimation of noise coherence 4—60110
Martin, G.J. Making the digital cockpit operational in general aviation aircraft 4—49389
Martin, G.N.N. Arithmetic coding for discrete messages 4—43192
Martin, H.J., Sarab, A.D. Low temperature process for Al-Cu-Si deposition 4—36476
Martin, H.L. *see* Hamel, W.R. 4—56733
Martin, I. Compressor/limiter 4—35987
Martin, J. *see* Fellman, B. 4—58078
Martin, J. *see* Jourdain, G. 4—59910
Martin, J.A. Two-stage Earth-to-orbit vehicles with dual-fuel orbiter propulsion 4—33950
Martin, J.A. *see* Jones, C.M. 4—33558
Martin, J.A. *see* Young, G.R. 4—39379
Martin, J.F. *see* Schoenwald, J.S. 4—56360
Martin, J.F. *see* Ushida, N. 4—56030
Martin, J.G. Federal Reserve Communication System planning 4—54029
Martin, J.J. *see* Koehler, D.R. 4—36935
Martin, J.M. Power and temperature control in electric forehearths 4—57656
Martin, J.M., Joshi, N.V., Vincent, A.B. Photoconductivity of the new $Cd_{1-x}Mn_xS$ semimagnetic compound 4—52766
Martin, J.M. *see* Furlong, S.C. 4—59204
Martin, J.-P. *see* Bryman, D. 4—33632
Martin, J.P.D. *see* Harris, L.B. 4—34855
Martin, J.R. *see* Clechet, P. 4—30454
Martin, K. *see* Altmann, G. 4—45483
Martin, K. *see* Jensen, J. 4—52307
Martin, K.W. *see* Rodriguez, B.A. 4—29680, 4—35648
Martin, L. *see* Demange, A. 4—47244
Martin, L.C. *see* Li, S.T. 4—37631
Martin, M. *see* Hansen, D. 4—45152
Martin, N. *see* Lacoume, J.L. 4—37999
Martin, N.J. *see* Hargroves, R.A. 4—62816
Martin, P. An emergency lamp 4—50210
Martin, P.A. *see* Loader, R.J 4—54437
Martin, P.J., Netterfield, R.P., Sainty, W.G., Pacey, C.G. The preparation and characterization of optical thin films produced by ion-assisted deposition 4—47236
Martin, P.M. Relationships between stress and local hydrogen bonding in sputtered SiN:H 4—46825
Martin, P.M. *see* Pawlewicz, W.T. 4—42326
Martin, R. Terminals and enclosures [hazardous area equipment] 4—57787
Martin, R. *see* Berghofer, W. 4—61891
Martin, R. *see* Duchet, C. 4—47297
Martin, R.E. Alkaline fuel cells for the regenerative fuel cell energy storage system 4—40427
Martin, R.J. The environmental resistance of epoxy resins 4—59093
Martin, R.L. *see* Eberhardt, F.J. 4—35198
Martin, R.W., Gilbert, D.A., Silverstein, F.E. An endoscopic Doppler probe for intestinal vascular studies 4—56107
Martin, S. Assessment and specification of the scatter and residual reflectance of coated optical components in the visual region 4—52758
Martin, S.J., Gunshor, R.L., Miller, T.J., Datta, S., Pierret, R.F., Melloch, M.R. Surface wave resonators on silicon 4—30933
Martin, S.J. *see* Schwartz, S.S. 4—59116
Martin, T. A modular microprocessor system 4—29151
Martin, T. *see* Wilpon, J.G. 4—37893
Martin, T.L. *see* Metz, W.A. 4—46968
Martin, W. Measuring the degree of non-stationarity by using the Wigner-Ville spectrum 4—60140
Martin, W. *see* Flandrin, P. 4—37990
Martin, W.L. The NASA data systems standardization program radio frequency and modulation 4—48464
Martin, W.L., Jr. Room temperature stable Class 220°C polyimide resin solutions 4—36966
Martin Comin, J. *see* Puchal, H. 4—49189
Martin de Dios, R. *see* Cazzaniga, M. 4—49137, 4—49138
Martin-Pareda, J.A., Muriel, M.A., Oton, J.M. Electrooptical behavior of twisted-wedge nematic structures 4—52709
Martin-Pereda, J.A., Oton, J.M., Muriel, M.A. Liquid crystals: the basics of their behaviour. I 4—59278
Martinec, E.L. Education of the engineering manager 4—40760
Martinec, M. *see* Spegel, M. 4—46673
Martinelli, C.A.V. Will residual current circuit breakers work? 4—49985
Martinelli, E. *see* Alia, G. 4—35582, 4—51280
Martinelli, G., Orlandi, G. Low-sensitivity recursive digital filters obtained via the delay replacement 4—51438
Martinelli, G., Orlandi, G. ARMA spectrum estimation by extended lattice 4—53723
Martinelli, G., Orlandi, G. Explicit formulas for estimating the frequencies of sine waves in noise with few samples 4—60120
Martinelli, G. *see* Orlandi, G. 4—51440
Martinelli, M. Unlimited phase compensator for fiber-optic interferometric detection of slow temperature change 4—59240
Martines, G. *see* Calandra, E.F. 4—36593
Martinez, C. *see* Chang, J. 4—33142
Martinez, E., Tarela, J.M., Prada, C.D. Error characterization and digital simulation of a pulse-rate integrator 4—29740
Martinez, E.C. Storage reliability with periodic test 4—45964
Martinez, F.Perez *see* Perez Martinez, F.
Martinez, J.J.Lopez *see* Lopez Martinez, J.J.
Martinez, J.L. *see* Ruiz, J.C. 4—41948
Martinez, J.P., Camon, H., Balladore, J.L. Crystallography and sensitivity to 2 MeV electrons of a positive resist (PMMA) used in lithography 4—52026
Martinez, J.Perez *see* Perez Martinez, J.
Martinez, L. *see* Bertran, E. 4—34680
Martinez, L. *see* McDonald, J.D. 4—34099
Martinez, L. *see* Ostroy, L. 4—54955
Martinez, M. *see* Olabe, J.C. 4—53504
Martinez, N.H. *see* Christiansen, C.F. 4—30635
Martinez, N.H. *see* Christiansen, C.F.F Valla, M.I. 4—36606
Martinez, O.E., Fork, R.L., Gordon, J.P. Theory of passively mode-locked lasers including self-phase modulation and group-velocity dispersion 4—37263
Martinez, O.E. *see* Heritage, J.P. 4—59306
Martinez, P., Munoz, M., Peire, J., Prieto, J., Castro, M. CESA-I simulation 4—34519
Martinez, R. *see* Olabe, J.C. 4—53504
Martinez-Caro, D. *see* Azpilicueta, J. 4—49277
Martinez-Duart, J.M. *see* Albella, J.M. 4—46235
Martinez-Duart, J.M. *see* Gomez-Aleixandre, C. 4—41618
Martinich, T.G. *see* Hughes, M.B. 4—34041
Martinis, U.De *see* De Martinis, U.
Martino, J. *see* Bertl, W. 4—33757
Martinot, H. *see* Atallah, K. 4—47360
Martinot, P., Laval, S., Koster, A. Optical bistability from surface plasmon excitation through a nonlinear medium 4—31476
Martins, E.O.V. On a special class of bicriterion path problems 4—50430
Martins, G. *see* Augusta, M. 4—62574
Martinuzzi, S. Passivated polycrystalline silicon: a short-term solution for photovoltaic energy 4—50095
Martirossian, G.S. *see* Asatiani, T.L. 4—61719
Martirosyan, A.A. *see* Gasparyan, M.R. 4—59181
Martone, P.J. *see* Ko, H.W. 4—32867
Martsafei, V.V., Shavaiko, I.G. Synthesis of antenna arrays by the constrained maximum-gain criterion 4—42975
Martsenyuk, P.K. *see* Berzina, A.I. 4—30177
Martsinkiavichyus, A.K. *see* Greshishev, Yu.M. 4—48593
Martsinkiavichyus, I.K. *see* Greshishev, Yu.M. 4—48593
Martsinkyavichyus, V.A. *see* Sakalauskas, S.Yu. 4—50998
Marty, A. *see* Bailbe, J.P. 4—30601
Marty, M. Electric ground transportation—urban automatic taxi AXAR without a computer—vehicles management, demands valuation, minimization of empty vehicles traffic 4—50179
Marty, P., Escaut, B. Switching in static convertors. IV 4—40332
Martyn, J. UAP and the new information technologies 4—32977
Martyn, R. *see* Higgins, M. 4—53126
Martynenko, N.G. *see* Klinkova, L.A. 4—58008
Martynenko, N.P. On computer-aided design of documentation for low voltage controllers of electric drives 4—62732
Martynenko, T.V. *see* Kudrin, V.I. 4—62843
Martynov, A.M. *see* Kinber, B.E. 4—37772
Martynov, S.S. *see* Muckhachev, Yu.S. 4—61706
Martynov, V.A. *see* Ivanov-Smolenskii, A.V. 4—40220, 4—62505
Martynov, Yu.I. Magnetoresistor pressure transducers 4—33263
Martynova, O.I., Rogatskin, B.S. Monitoring and regulating the quality of heat-transport medium in energy units with straight-through boilers 4—62385
Martynova, V.P. *see* Naidich, Yu.V. 4—29242
Martynovich, E.F., Grigorov, V.A., Gorbovskoi, V.E., Mysovskii, S.N. Infrared luminescence and stimulated emission from color centers 4—42597
Martynyuk-Lototskii, R.A. *see* Prudviblokh, I.A. 4—61342
Martyushov, G.G. *see* Izotov, V.A. 4—62550
Martz, A. *see* Geist, P. 4—53129
Martzloff, F.D. Matching surge protective devices to their environment 4—56689
Martzloff, F.D. The protection of industrial electronics and power conversion equipment against power lines and data line disturbances 4—62236
Maru, H.C. *see* Farooque, M. 4—40428
Maru, K., Sato, K., Hitotsuyanagi, T. New high-speed C^2MOS logic family 4—41325
Marubayashi, G. *see* Tachikawa, S. 4—32095
Maruhashi, T. *see* Nakaoka, M. 4—50974, 4—57226
Marusii, T.Ya. *see* Anokhov, S.P. 4—42674
Maruska, H.P., Hicks, M.C., Moustakas, T.D., Friedman, R. Optically controlled amorphous silicon photosensitive device 4—59341
Maruska, H.P., Moustakas, T.D. Influence of the wavelength of incident light on shunt conductance and fill factor in amorphous silicon solar cells 4—45630
Maruska, H.P. *see* Ghosh, A.K. 4—36348
Maruta, R. LSIs for acoustics and speech signals processing 4—47803
Maruto, M. *see* Ohta, M. 4—57482
Maruyama, E. *see* Ishizaka, A. 4—41067
Maruyama, E. *see* Kusano, C. 4—36230
Maruyama, E. *see* Matsui, M. 4—30641
Maruyama, M. *see* Maeda, H. 4—29902
Maruyama, M. *see* Okamura, S. 4—44572
Maruyama, N., Kawamura, T. Application of flywheel energy storage systems to the power substation for the electric railway 4—34959
Maruyama, T. *see* Yamada, K. 4—31012
Maruyama, Y., Yamakawa, H. Gateway system on LAN internetworking 4—60536
Maruyama, Y. *see* Kawamura, T. 4—59175
Maruyama, Y. *see* Matuk, C.A. 4—61667
Marvin, A.C. *see* Darnell, M. 4—31712, 4—37682
Marx, A. *see* Himpsel, F.J. 4—56047
Marx, E. Integral equation for scattering by a dielectric 4—31621
Marx, J.A., Nagaraja, M.L. Structural engineering vital to FGD design 4—34384
Marx, R. *see* Artemiev, V. 4—61684
Mary, L. *see* Guidoux, L. 4—32492
Mar'yanenko, V.K. *see* Anishin, N.S. 4—50714
Mar'yanova, I.I. *see* Zaganyan, Yu.I. 4—39156
Maryanovskiy, L.S. Calculation of the temperature-frequency characteristics of quartz resonators with thin-film heating elements 4—30889
Maryshev, A.P. *see* Bystrov, V.P. 4—56305
Maryutin, V.I. *see* Ptashchenko, A.A. 4—36360
Mas, A., Garcia, J., Castaner, L. High efficiency maximum power point photovoltaic panel tracker with battery protection 4—34763
Masagutova, R.V. *see* Valov, Yu.A. 4—29448
Masaike, A. *see* Yasumi, S. 4—33728, 4—33784
Masaki, A. *see* Takechi, M. 4—51242
Masaki, R. *see* Akagi, H. 4—40247
Masaki, S., Nakano, H., Hanabe, K. Videotex communication processing program for digital network 4—54189
Masalov, E.V. *see* Badulin, N.N. 4—61921
Masalov, Y.A. *see* Lebedev, V.K. 4—29624
Masamura, T., Inoue, T. 6/4 GHz band small capacity omniuse terminal satellite system 4—38525
Masatoki, T. *see* Himuro, M. 4—54999
Maschke, A.W. Design desiderata for a laminar flow quadrupole-focused acceleration column 4—61608
Masciola, J. *see* Roberts, G. 4—39050
Masclet, J.-P. La Redoutes experience in the French 'telematique' context 4—48167
Mase, A. *see* Yamazaki, S. 4—62704
Mase, K., Kajiwara, M., Yamamoto, H. Network control system using traffic database 4—38198
Mase, K., Kawashima, N., Imase, M., Kajiwara, M. An adaptive capacity allocation scheme in telephone networks employing an SS/TDMA system 4—32087
Mase, K., Kawashima, N., Kajiwara, M. An adaptive high-usage trunk allocation scheme employing an SS/TDMA system 4—53976
Mase, K. *see* Hiramatsu, Y. 4—47925
Maseng, T. Optimum FIR filter for CPM 4—43088

Maseti, G. *see* Tsividis, Y. 4—30617
Masetti, G. *see* Turchetti, C. 4—36574
Mashaw, J.M. *see* Shah, K.R. 4—49522
Mashchenko, A.G. *see* Gusak, N.A. 4—42417
Mashiko, K., Kobayashi, T., Wakamiya, W., Hatanaka, M., Yamada, M. A 70 ns 256K DRAM with bitline shielding structure 4—58337
Mashiko, K. *see* Yoshihara, T. 4—46452
Mashinin, V.A. *see* Machulin, I.N. 4—61718
Mashita, M. *see* Watanabe, M.O. 4—30321
Mashnev, A.E. *see* Kil'dishev, V.S. 4—40212
Mashovets, D.V., Nikorich, V.Z., Nikorich, A.V., Andronik, I.K. Magnetophonon oscillations of the longitudinal magnetoresistance of $Pb_{1-x}Sn_xTe$ crystals 4—30395
Mashovets, D.V., Shakhov, M.A. High-output impedance current pulse generator 4—29711
Masi, C.G. Magnetic resonance imaging using permanent magnets 4—49161
Masina, V. *see* Belforte, P. 4—43869
Masini, G. The technology and characteristics of power MOSFETs 4—52085
Masini, G. Power MOSFETs - characteristics of the internal diode 4—52086
Maskara, S.L. Optical fibre communication systems for voice and video signals—state of the art 4—60861
Maslakov, S.Yu. *see* Borisov, B.N. 4—42604
Maslenkov, I.P. *see* Dyatchenko, A.A. 4—59271
Maslennikova, N.S. *see* Dovganyuk, I.Ya. 4—40231
Masloski, K.T. Air Force development of thin GaAs solar cells 4—34937
Maslov, A. Influence of the substrate size on the optimizing of the mechanical structure of a device 4—51941
Maslov, A.F., Nesterov, K.P. Quasioptimum algorithm for measuring the amplitudes and phases of signals at the outputs of elements of a receiver antenna array, operating in an inhomogeneous medium 4—31747
Maslov, A.I. The control unit for the amplitude converter, model KDM-14 4—58481
Maslov, V.K., Trokhan, A.M. Tomographic methods of structure measurement for inhomogeneous media, wave fields, and multiparameter data 4—53101
Maslov, V.V. Calculation of dose of electron and proton radiation adsorbed by electrical insulating materials and insulation systems 4—30867
Maslov, V.V., Mironyuk, Yu.M. Selection of an optical video transducer system industrial robots 4—33171
Maslov, V.V. *see* Vorob'ev, S.A. 4—30883
Maslov, Yu.N., Khmaruk, O.N., Krokhin, V.V. The reversible component of magnetic induction in dynamic magnetisation of magnetically-soft materials 4—59710
Maslov, Yu.N. *see* Krokhin, V.V. 4—37520
Maslov, Yu.N. *see* Ruseev, N.F. 4—33445
Maslova, L.V. *see* Zelenina, N.K. 4—46891
Maslova, T.I. *see* Vdovin, Yu.A. 4—29565
Maslovskii, V.A. *see* Igumnov, D.V. 4—30751
Maslyaev, P.F. *see* Bregadze, Yu.I. 4—33907
Masnari, N.A. *see* Golio, J.M. 4—58934
Masnari, N.A. *see* Khatibzadeh, M.A. 4—36636
Masny, J. A new method of testing of nulling and earthing 4—34235
Masoli, F. *see* Corradi, A.R. 4—30991
Mason, A.G. A Pay-per-View conditional access system for DBS by means of secure over-air credit transmissions 4—32915
Mason, A.J. Heating the Barbican Entertainment Complex 4—50220
Mason, C. What comes after cellular radio? 4—44006
Mason, I.M., Branduardi-Raymont, G., Culhane, J.L., Corbet, R.H.D., Ives, J.C., Sanford, P.W. The EXOSAT imaging X-ray detectors 4—33783
Mason, I.M. *see* Cockshott, R.A. 4—33685
Mason, I.M. *see* Schwarz, H.E. 4—49084
Mason, J.H. *see* Sens, M.A. 4—59068
Mason, J.L. *see* Krause, M.A. 4—29819
Mason, L.G. *see* Ferguson, M.J. 4—53971
Mason, P.V. *see* Urbach, A.R. 4—44810
Mason, P.W. *see* Sutherland, I.A. 4—33855
Mason, S.M., Majumdar, B., Gibbin, K.P. An ear canal electrode for electrocochleography 4—33839
Masri, P. *see* Langlade, P. 4—41899
Masri, Y.EL. *see* de Callatay, B. 4—61676
Masry, E., Cambanis, S. Spectral density estimation for stationary stable processes 4—43059
Massai, M.M. *see* Bellazzani, R. 4—33818
Massai, M.M. *see* Bellazzini, R. 4—49089
Massai, M.M. *see* Coppini, G. 4—44718
Massai, M.M. *see* Mulera, T. 4—33679
Massanova, A.J. A comparison of full and single channel spread spectrum monopulse trackers in the presence of jamming 4—38447
Massara, R.E. Mathematical basis of optimisation algorithms—higher order methods 4—40980
Massara, R.E. Strategies for linear network optimisation 4—41447
Masse, G. *see* Butti, C. 4—46835
Masse, P. *see* Du Terrail, Y. 4—62497
Masselink, W.T., Fischer, R., Klem, J., Henderson, T., Pearah, P., Morkoc, H. Polar semiconductor quantum wells on nonpolar substrates: (Al,Ga)As/GaAs on (100)Ge 4—58767
Masselink, W.T., Sun, Y.L., Fischer, R., Drummond, T.J., Chang, Y.C., Klein, M.V., Morkoc, H. Enhanced luminescence from AlGaAs/GaAs single quantum well structures through improved interfaces 4—51816
Masselink, W.T. *see* Fischer, R. 4—29478
Masselink, W.T. *see* Klem, J. 4—47358
Massetti, M.A. CECL design method 4—41316
Massey, G.A., Lemon, C.J. Feasibility of measuring temperature and density fluctuations in air using laser-induced O_2 fluorescence 4—44636
Massey, J.L. The how and why of channel coding 4—43193
Massey, J.L. The entropy of a rooted tree with probabilities 4—47722
Massey, J.L., Gubser, A., Fischer, A., Hochstrasser, P., Huber, B., Sutter, R. A self-synchronizing digital scrambler for cryptographic protection of data 4—43200
Massey, M.J. Determination of mechanical defects in electronic components 4—29278
Massey, W.A. Open networks of queues: their algebraic structure and estimating their transient behavior 4—46078
Massie, L.D. *see* Barthelemy, R.R. 4—39655
Massiera, L., Montanari, G. Video line concentrator 4—43852
Massies, J., Lemaire-Dezaly, F. Correlation of the fine structure of In $M_{4,5}N_{4,5}N_{4,5}$ Auger spectrum and thermal degradation at InP surfaces 4—41837
Masson, P. Preliminary geological interpretation of the SIR-A radar imagery of the Beirut-Damascus region: comparison with Landsat imagery 4—33958
Massopust, T.P. *see* Kazmerski, L.L. 4—50046
Massot, J.N. *see* Meunier, J.P. 4—42365, 4—47274
Mastaglia, F.L. *see* Thickbroom, G.W. 4—44752
Mastalli, P. When will the new telecommunications services be available? 4—32148
Masterov, V.F. *see* Dmitriev, A.G. 4—30418
Masters, J.I. *see* Lavine, J.M. 4—36372
Masters, J.I. *see* Lis, S.A. 4—36371
Masters, M.R. *see* Chan, Y.H. 4—46333
Masterson, M.E. *see* Malik, S. 4—49143
Mastny, V. *see* Senk, J. 4—50009
Mastrangelo, C., Vogel, M. Method to verify the presence or absence of lube on magnetic disk surfaces 4—42257
Mastroianni, F. *see* Mariani, E. 4—56470
Mastroianni, J.D. A verification system for cell based design styles 4—36787
Mastroianni, J.D. Extraction of interconnect delays from computer generated layouts 4—58122
Mastroianni, S.T. Multilevel metallization device structures and process options 4—47098
Masubuchi, M. Measurement and control techniques in ocean wave energy utilisation 4—40156
Masud, A. *see* Jong, M. 4—50233
Masud, M. *see* Hill, F.J. 4—51100
Masuda, C. *see* Takahashi, H. 4—52730
Masuda, E. *see* Fujita, Y. 4—51336
Masuda, H. *see* Takeda, M. 4—47000, 4—58858
Masuda, I. *see* Suzuki, Y. 4—58290
Masuda, K. *see* Fujita, Y. 4—30304
Masuda, K. *see* Murakami, K. 4—51973
Masuda, K. *see* Shimizu, M. 4—60898
Masuda, K. *see* Takita, K. 4—41946
Masuda, S., Hosokawa, S., Nakatani, H. Corona transmission line energized by very short pulse voltages as applied in electrostatic precipitators 4—53178
Masuda, S., Kitamura, Y., Ohya, S., Kikuchi, M. A CMOS pipeline algorithmic A/D converter 4—58408
Masuda, S., Nakatani, H., Hosokawa, S. Modification in waveform of travelling pulse voltages due to corona production along transmission line [electrostatic precipitator corona wire] 4—53177
Masuda, S., Shishikui, Y. Production of monopolar ions from streamer coronas induced by very short pulse voltage 4—56646
Masuda, S. *see* Mori, T. 4—34797
Masuda, S. *see* Tabata, Y. 4—52326
Masuda, T. *see* Isogal, Y. 4—61756
Masuda, T. *see* Matsuda, J. 4—32053
Masuda, W. *see* Yamada, H. 4—47405
Masuda, Y., Baba, A., Jyumonji, M., Kasai, K. The polarization-reversal characteristics of $Pb(Zr,Ti)O_3$ family ceramics 4—52332
Masuhara, T. *see* Hanamura, S. 4—30790
Masuhara, T. *see* Minato, O. 4—51239
Masuhara, T. *see* Ohba, S. 4—55274
Masuhara, T. *see* Sakai, Y. 4—47138
Masui, N., Murata, Y. Mechanisms of charge build-up on a polymer particle of repeated impact 4—42760
Masui, R., Haynes, W.M., Chang, R.F., Davis, H.A., Sengers, J.M.H.L. Densimetry in compressed fluids by combining hydrostatic weighing and magnetic levitation 4—55712
Masuko, Y. *see* Yamamoto, T. 4—44205
Masullo, M.R. *see* Biagini, M. 4—47384
Masumoto, T. *see* Inoue, A. 4—48869
Masuoka, F., Ariizumi, S., Iwase, T., Maeda, K., Ono, M., Endo, N. A new mask ROM cell programmed by through-hole using double polysilicon technology 4—35818
Masuoka, F., Ariizumi, S., Iwase, T., Ono, M., Endo, N. An 80 ns 1 Mb ROM 4—51232
Masuyama, H., Fukawa, N., Niki, K., Yokota, Y., Morioka, T. Full scale power plant operator training simulator 4—34314
Masuzawa, T., Hagihara, K., Wada, K., Tokura, N. The *k*-node-connectivity augmentation problem for directed binary trees 4—29365
Masychev, V.I. *see* Aleinikov, V.S. 4—44776
Maszara, W. *see* Carter, C.H., Jr. 4—51980
Maszara, W. *see* Sadana, D.K. 4—46931
Mata, G.V. *see* Asuilar, A.S. 4—41160
Matada, M. *see* Ishida, H. 4—60532
Matalla, N., Schader, O. Automation concepts for the positioning of coke-oven machines 4—62841
Matano, M., Inoue, N., Yamashita, T., Katoh, M. Acousto-optical parallel-to-serial converter for optical signals 4—31199
Matasic, J. *see* Zalar, B. 4—48345
Matasova, L.P. *see* Kuznetsov, V.A. 4—36318
Mateescu, A. Some contributions on data signals equalization and filtering 4—60579
Mateescu, N. *see* Melinte, S. 4—34873
Matei, M. *see* Fireteanu, V. 4—40606
Mateosian, R. Demand paged virtual memory with the NS16000 family 4—41357
Matera, M. *see* Buffa, R. 4—47419
Materlik, G. *see* Krolzig, A. 4—33775
Maternia, Z., Radzimski, Z., Borkowicz, Z. Method of measuring the profile of a fine-focused electron beam by using a semiconductor detector 4—48984
Maternia, Z. *see* Kisza, M. 4—30499
Matev, M., Karpisek, J. Experience from operation of evaporator circulating system of boiler of 500 MW block at Melnik III Generating Station 4—56843
Mateveev, A.A. *see* Krivotsyuk, V.I. 4—55300
Matevosyan, A.K. The inverse problem of Karhunen-Loeve 4—50621
Mathe, A. *see* Gadola, S. 4—39856
Mather, B. *see* Hind, J.R. 4—34352
Mather, E.L., Knipe, C.D. Review of optical cable design 4—54837
Mather, J., McHarg, J. Potential hazards and design solutions in using $LiSO_2$ batteries in pressure housings 4—62684
Mather, J.C. A need for tighter requirements on circuit board solderability 4—46719
Mather, J.C. *see* McCammon, D. 4—61745
Mather, J.C. *see* Moseley, S.H. 4—61744
Matherat, P. Towards a VLSI graphics screen controller 4—46532
Matheson, T.G., Buric, M.R., Christensen, C. Embedding electrical and geometric constraints in hierarchical circuit-layout generators 4—35584
Matheson, T.G. *see* Buric, M.R. 4—35868
Matheson, T.G. *see* Christensen, C. 4—35869
Mathew, T., MItra, S.K. Shorted operators and the identification problems—the real case 4—40903
Mathews, R. *see* Wolf, W. 4—36768
Mathews, R.G. *see* Jagadish, H.V. 4—51084
Mathews, V.J. *see* Youn, D.H. 4—37973, 4—60062
Mathewson, B. *see* Salon, S.J. 4—31590
Mathias, G. Steam turbines 4—45288
Mathias, R.W. *see* Stieg, J. 4—49766
Mathieson, E. *see* Gordon, J.S. 4—33687
Mathis, K.D. *see* Simon, M. 4—39432
Mathis, U. Transformers for low voltage tungsten halogen lighting 4—62583
Mathison, O.A. *see* Dahl, P.H. 4—60920
Mathur, B.K. The modeling of load characteristics representation in system studies 4—34148
Mathur, N.C., King, R.J. Performance of an array of vertical dipoles over an inhomogeneous ground system 4—59837
Mathur, P.C. *see* Dawar, A.L. 4—41910
Mathur, P.C. *see* Mehra, R.M. 4—41848
Mathur, R.K. *see* Dhariwal, S.R. 4—40442
Mathur, R.M. *see* El-Marsafawy, E. 4—39825
Mathur, R.M. *see* Krishna Murthy, K.A. 4—50959, 4—51503, 4—62618
Mathys, P., Flajolet, P. Q-ary collision resolution algorithms in random-access systems with free or blocked channel-access 4—48262
Mathyssek, K. *see* Keil, R. 4—52554
Matis, H. *see* Bolton, R. 4—55816
Matis, K.R. *see* Modestino, J.W. 4—31711, 4—38454
Matkhanov, P.N., Fedorov, K.A. Calculation of smoothing filters with account of time-dependent characteristics 4—51405
Matoba, A. *see* Imanaka, K. 4—52952
Matoba, M., Kurokawa, H., Sakae, T., Ijiri, H., Kametani, H., Komatsu, K. Realization of the concept of the ratio-to-digital converter (RDC) 4—55977
Matoba, M., Sakae, T. Position integral linearity of charge-division type position-sensing system and a method to obtain the total charge signal 4—33662

Matoba, M. *see* Iida, H. 4—61687
Matorin, A.I. *see* Kosovich, V.A. 4—62860
Matreev, A.Yu. *see* Lyashenko, V.V. 4—39313
Matrod, J.L. TELECOM 1 services in the company intranetworks 4—54707
Matrosov, M.L. *see* Dmitriev, A.Ya. 4—32932
Matrosov, S.N. *see* Gorobets, N.N. 4—42956
Matrosov, V.V. *see* Vasil'ev, A.B. 4—62430
Matsakov, L.Ya. *see* Golik, A.V. 4—62004
Matson, M. The financial prospects 4—55040
Matson, R.J. Modifications to, and applications of, the JEOL JSM-35C scanning microscope for EBIC analysis of photovoltaic devices 4—30287
Matson, R.J., Jamjoum, O., Buonaquisti, A.D., Russell, P.E., Kazmerski, L.L., Sheldon, P., Ahrenkiel, R.K. Metal contacts to $CuInSe_2$ [solar cell applications] 4—36334
Matson, R.J. *see* Kazmerski, L.L. 4—50046
Matson, R.J. *see* Tsuo, Y.S. 4—41816
Matson, R.J. *see* Yacobi, B.G. 4—51921
Matsonashvili, B.N. *see* Zasavitskii, I.I. 4—47331
Matsuba, I., Matsumoto, K., Kadota, K. Characteristics of photoresist film via spin coating process 4—30498
Matsuba, I., Matsumoto, K., Yoshinaka, A. Temperature distribution in wafers in a furnace for semiconductor fabrication processes 4—46920
Matsuda, A. *see* Matsuura, H. 4—41885, 4—58794
Matsuda, A. *see* Nitta, J. 4—31072
Matsuda, C. *see* Shikama, T. 4—32749
Matsuda, F., Inokuchi, S. Ring operator for extracting edges and lines 4—60225
Matsuda, H., Miyagoshi, T. A fast algorithm for generating all the prime implicants of logical functions—submap method 4—41327
Matsuda, J. An approximation for the autocovariance function of the virtual waiting time in an $M/G/1$ and its applications 4—43033
Matsuda, J., Kiyohara, T., Okumura, Y., Masuda, T. High accuracy and high quality histogram equalization processing 4—32053
Matsuda, K., Fujiwara, K., Fujimoto, M.K. A Loran-C synchronized clock with 10 μs precision 4—54916
Matsuda, M., Kanata, Y. Static characteristics and operating limits of phase and series cascade voltage regulator 4—58156
Matsuda, M. *see* Funakoshi, K. 4—30718
Matsuda, S. *see* Shimodaira, M. 4—57366
Matsuda, T., Horie, N., Nabeyama, H. Combined analog/digital technology 4—58252
Matsuda, T. *see* Azegami, M. 4—60538
Matsuda, T. *see* Kawabata, T. 4—31254
Matsuda, T. *see* Kawakami, A. 4—46288
Matsuda, T. *see* Kimura, M. 4—57651
Matsuda, T. *see* Mikami, T. 4—58621
Matsuda, T. *see* Okuno, Y. 4—47571
Matsuda, T. *see* Takamizawa, K. 4—52212
Matsuda, T. *see* Yoshida, S. 4—43687
Matsuda, Y., Hattori, Y., Chigusa, Y. Low-loss high-resolution silica image fiber fabricated by the new multiple-fiber method 4—52656
Matsuda, Y., Nukuda, T., Morita, M. Three-layer Raney nickel hydrogen electrode for fuel cells 4—50041
Matsuda, Y., Tezuka, S., Kanoh, M., Nishimura, M., Kaneko, T. A method for recognizing Japanese monosyllables by using intermediate cumulative distance 4—53509
Matsuda, Y., Yamashita, K., Takasu, Y. Characteristics of manganese dioxide-active carbon as an oxygen electrode in alkali-type fuel cells 4—50042
Matsuda, Y. *see* Fujita, S. 4—50754
Matsuda, Y. *see* Nagase, H. 4—57424
Matsuda, Y. *see* Nakashima, T. 4—57818
Matsuda, Y. *see* Senda, K. 4—44452
Matsue, H. *see* Saito, Y. 4—41505
Matsue, H. *see* Yoshida, T. 4—43964
Matsueda, H., Nakamura, M. Monolithic integration of a laser diode, photo monitor, and electric circuits on a semi-insulating GaAs substrate 4—31164
Matsuhiro, K. *see* Takeda, T. 4—36808
Matsui, H. *see* Oikawa, H. 4—54471
Matsui, J. *see* Kamejima, T. 4—30332
Matsui, M., Shiraki, Y., Maruyama, E., Ohwada, J. Thin-film transistors on molecular-beam-deposited polycrystalline silicon 4—30641
Matsui, O. *see* Watanabe, T. 4—32944, 4—39063
Matsui, S., Mori, K., Shiokawa, T., Toyoda, K., Namba, S. Bi-level structures for focused ion beam using maskless ion etching 4—30524
Matsui, S., Takiguchi, H., Taneya, M., Yamamoto, O., Hayashi, H., Yamamoto, S., Yano, S., Hijikata, T. Low noise characteristics of VSIS lasers in single-longitudinal mode 4—53011
Matsui, T. *see* Koike, Y. 4—32202
Matsui, Y. *see* Bando, Y. 4—51726
Matsukawa, N., Niitsu, Y., Matsunaga, J., Nozawa, H., Kohyama, S. SEPOX compatible high density floating gate EPROM structure 4—30810
Matsukawa, N. *see* Niitsu, Y. 4—51253
Matsukawa, T. *see* Hirayama, M. 4—41995
Matsuki, H., Murakami, K., Niizuma, H. Soft heating method for stereotaxic operations in neurosurgery 4—39578
Matsuki, K., Tatsuoka, M., Tonomura, T. A prototype solar desiccant air-conditioner 4—40627
Matsuki, M. *see* Ichinose, S. 4—57650
Matsuki, M. *see* Oshima, M. 4—31391
Matsumaru, H. *see* Hattori, A. 4—50163
Matsumaru, H. *see* Yamamoto, H. 4—44450
Matsumi, I. *see* Doke, T. 4—55963
Matsumiya, T., Suzuki, Y., Takagi, K. A calculation method for thrust force of shaded pole type linear induction motor 4—62534
Matsumoto, F., Nishizako, S., Otsuka, S. A new series of low-voltage magnetic motor starters 4—34580
Matsumoto, F. *see* Tsushima, S. 4—53163
Matsumoto, H. Synthetic millimeter-wave signal generation for length measurement 4—33458
Matsumoto, H., Fukuma, M. A two-dimensional Si oxidation model including viscoelasticity 4—36488
Matsumoto, H., Inomata, N., Nishino, H. A multiple-output 500 kHz DC-DC converter 4—50977
Matsumoto, H., Kuribayashi, K., Uda, H., Komatsu, Y., Nakano, A., Ikegami, S. Screen-printed CdS/CdTe solar cell of 12.8% efficiency for an active area of 0.78 cm^2 4—40458
Matsumoto, H. *see* Ikenaga, Y. 4—62019
Matsumoto, H. *see* Satoh, Y. 4—46445
Matsumoto, H. *see* Tajima, S. 4—29900
Matsumoto, J. *see* Mori, H. 4—54541
Matsumoto, K., Nishizeki, T., Saito, N. Algorithms for plane multicommodity flows 4—29363
Matsumoto, K., Nishizeki, T., Saito, N. Algorithms for plane multicommodity flows 4—57922
Matsumoto, K., Ogura, M., Wada, T., Hashizume, N., Yao, T., Hayashi, Y. n^+-GaAs/undoped GaAlAs/undoped GaAs field-effect transistor 4—42050
Matsumoto, K. *see* Hamasaki, K. 4—42302
Matsumoto, K. *see* Kaneko, K. 4—46453, 4—58235
Matsumoto, K. *see* Kishizima, I. 4—56700
Matsumoto, K. *see* Matsuba, I. 4—30498, 4—46920
Matsumoto, K. *see* Nishimura, T. 4—58286
Matsumoto, K. *see* Nukiyama, T. 4—51306
Matsumoto, K. *see* Yokogawa, M. 4—61189
Matsumoto, M., Haibara, T., Katsuyama, Y., Miyauchi, M., Tokuda, M., Tanifuji, T. Long-term reliability assurance for arc-fusion spliced fiber 4—52603
Matsumoto, N. *see* Furukawa, S. 4—58749
Matsumoto, O. *see* Bollinger, D. 4—46960, 4—52226
Matsumoto, S., Ishikawa, Y., Niimi, T. Fraction of interstitialcy mechanism in impurity diffusion in silicon 4—41828
Matsumoto, S., Kondo, K., Murata, T., Kazumi, M., Matsuura, S., Kobayashi, I., Hirono, N. An integrated CMOS-CCD TV ghost canceler 4—55010
Matsumoto, S. *see* Horii, K. 4—48748
Matsumoto, S. *see* Murano, K. 4—52701
Matsumoto, S. *see* Nyenhuis, J.A. 4—30977
Matsumoto, S. *see* Senda, K. 4—44452
Matsumoto, T., Chua, L.O., Tanaka, S. Simplest chaotic nonautonomous circuit 4—58129
Matsumoto, T., Imai, H. A class of asymmetric cryptosystems based on polynomials over finite rings 4—47781
Matsumoto, T., Ishida, T. Chemical vapor deposition of zinc chalcogenides using elemental source materials 4—50787
Matsumoto, T., Ishii, M., Kawamura, T. Optoelectronic measurement of partial arc on a contaminated surface 4—30827
Matsumoto, T., Nonaka, H., Ishida, T. Vapor phase epitaxial growth of ZnSe using zinc and selenium as source materials 4—29474
Matsumoto, T. *see* Abe, K. 4—62837
Matsumoto, T. *see* Hayashi, A. 4—47288
Matsumoto, T. *see* Sumiya, K. 4—30967
Matsumoto, T. *see* Suzuki, M. 4—53240
Matsumoto, T. *see* Togawa, Y. 4—29600
Matsumoto, T. *see* Tsukiji, T. 4—30829, 4—30829
Matsumoto, Y., Higuchi, T., Sawada, S., Shinozaki, S., Ozawa, O. Optimized and reliable LDD structure for 1 μm NMOSFET based on substrate current analysis 4—36632
Matsumoto, Y., Mito, Y., Kumabe, I. Digital integrating circuit and its application to tritium monitoring system 4—39353
Matsumoto, Y., Mito, Y., Nakamura, H., Kumabe, I. High sensitivity tritium gas monitor using cancellation circuit for Ga-background elimination 4—49095
Matsumoto, Y. *see* Kamejima, T. 4—30332
Matsumoto, Y. *see* Kobayashi, M. 4—58705
Matsumoto, Y. *see* Nanjo, J. 4—58867
Matsumoto, Y. *see* Takahashi, Y. 4—56311
Matsumura, F., Tanaka, Y., Kido, M., Akiyama, Y. Composition of a magnetic bearing system for horizontal shaft and its experimental results 4—57010
Matsumura, H. Characteristics of optical fibers and their applications for optical fiber sensors 4—47264
Matsumura, H., Tanaka, T. Demagnified projection printing by a new X-ray lithographic technique using no thin-film masks 4—51923
Matsumura, H. *see* Sakano, S. 4—42345
Matsumura, J., Uwazumi, N., Iida, H. Recently developed features of control technology in thermal power plants 4—40057
Matsumura, K., Kawamura, H. Near field distributions around free ends of dielectric waveguide 4—46602
Matsumura, M. *see* Naruke, Y. 4—36583
Matsumura, M. *see* Uchida, Y. 4—36286, 4—36598, 4—44434
Matsumura, S. *see* Chang, S.H. 4—59444
Matsumura, S. *see* Fukuta, K. 4—52373
Matsumura, T. Future microprocessor trends 4—51296
Matsumura, T. *see* Nezu, T. 4—54987
Matsunaga, J. *see* Isobe, M. 4—51307
Matsunaga, J. *see* Kohyama, S. 4—36853
Matsunaga, J. *see* Matsukawa, N. 4—30810
Matsunaga, J. *see* Niitsu, Y. 4—51253
Matsunaga, K. *see* Abe, A. 4—55596
Matsunaga, M. The automatic assembly system for VCR mechanisms 4—29231
Matsunaga, M., Asao, H., Takeda, F., Murakami, M. A stripline hybrid-coupled phase shifter 4—59894
Matsunaga, M., Kitagawa, K., Hosokawa, K. Performance of Na/Se (IV) secondary batteries with molten chloroaluminates 4—34831
Matsunaga, M. *see* Tsuru, Y. 4—29506
Matsunaga, M. *see* Yoshida, H. 4—56532
Matsunaga, S. *see* Ohshima, T. 4—32285
Matsunaga, T. *see* Harakawa, T. 4—60433
Matsunaga, T. *see* Takechi, M. 4—51242
Matsunaga, Y., Suzuki, N. An interline transfer CCD imager 4—55277
Matsunami, H. *see* Nishino, S. 4—50831
Matsuno, T. *see* Shoji, K. 4—44145
Matsuno, T. *see* Toyota, H. 4—33313
Matsuo, H., Kurokawa, F. New solar cell, power supply system using a boost type bidirectional DC-DC converter 4—40313
Matsuo, K., Iisaku, S., Takizuka, T., Ono, K. Highly efficient data communication protocol for satellite link 4—54682
Matsuo, K., Teich, M.C., Saleh, B.E.A. Poisson branching point processes 4—46784
Matsuo, K. *see* Takizuka, T. 4—32787
Matsuo, M., Kondo, S. A theory of digital picture restoration by using the generalized Laplacian—successive elimination method 4—60172
Matsuo, M., Wakasugi, K. Synthetic aperture radar imaging of the ocean waves 4—33987
Matsuo, M. *see* Kondo, S. 4—53810
Matsuo, N., Ohno, H., Hasegawa, H. Mechanism of high gain in GaAs photoconductive detectors under low excitation 4—47343
Matsuo, N., Okayasu, R., Kato, K. Automatic balancing anti-sidetone circuit design method 4—43837
Matsuo, N. *see* Miki, S. 4—53914
Matsuo, S. *see* Ehara, K. 4—30770
Matsuo, S. *see* Kawanabe, N. 4—32523
Matsuo, T. *see* Chiba, A. 4—50450
Matsuo, T. *see* Esashi, M. 4—49113
Matsuo, Y. *see* Nakano, M. 4—40328
Matsuoka, F. Dynamic characteristics of a refrigerating cycle 4—57586
Matsuoka, F. *see* Nishikawa, M. 4—62323
Matsuoka, K. *see* Fujiwara, E. 4—58261
Matsuoka, K. *see* Sugimoto, S. 4—53878
Matsuoka, K. *see* Yamamoto, K. 4—54496
Matsuoka, M., Hoshi, Y., Naoe, M., Yamanaka, S. On the effects of the ion substitution in Ba-ferrite films deposited by means of a Targets-Facing type of sputtering method 4—29537
Matsuoka, M., Hoshi, Y., Naoe, M., Yamanaka, S. High rate preparation of Co-Cr films on continuous tape substrates by means of a target facing type of sputtering method (TFTS-method) 4—41095
Matsuoka, M. *see* Itoh, M. 4—52532
Matsuoka, T., Nagai, H., Noguchi, Y., Suzuki, Y., Kawaguchi, Y. Effect of the grating phase at the cleaved facet on DFB laser properties 4—31374
Matsuoka, T. *see* Abe, A. 4—55596
Matsuoka, T. *see* Itaya, Y. 4—37370
Matsuoka, T. *see* Mukawa, N. 4—38886, 4—44303
Matsuoka, Y., Ohwada, K., Hirayama, M. Uniformity evaluation of MESFETs for GaAs LSI fabrication 4—52106
Matsuoka, Y. *see* Hirayama, M. 4—51228
Matsuoka, Y. *see* Ino, M. 4—51199
Matsuoka, Y. *see* Kato, N. 4—52286
Matsusaka, H., Kikkawa, T. 69 kV GIS substation for Thailand 4—50002
Matsusawa, S. *see* Oshima, K. 4—31647
Matsuse, K. *see* Kubota, H. 4—45687
Matsushima, Y., Sakai, K. Photodetectors 4—33320
Matsushima, Y. *see* Sekine, Y. 4—39937

Matsushima, Y. *see* Utaka, K. 4—31265, 4—37371
Matsushita, H. *see* Nakamura, K. 4—52037
Matsushita, K., Sato, T., Sato, Y., Sugiyama, Y., Hariu, T., Shibata, Y. Plasma-assisted epitaxial growth of GaAs and GaSb layers in hydrogen plasma 4—50773
Matsushita, K. *see* Sekikawa, K. 4—54827
Matsushita, M. *see* Doke, T. 4—55963
Matsushita, S. *see* Inoue, T. 4—48689
Matsushita, S. *see* Nakayama, T. 4—54038
Matsushita, S. *see* Suehiro, Y. 4—32812
Matsushita, S. *see* Tojo, M. 4—31137
Matsushita, T., Komori, K., Konagai, M., Takahashi, K. High performance hydrogenated amorphous Si solar cells with graded boron-doped intrinsic layers prepared from disilane at high deposition rates 4—45621
Matsushita, T. *see* Naito, H. 4—31210
Matsushita, Y. *see* Kawamura, Y. 4—30872
Matsuura, F., Ohshima, K. Heating and cooling design for a containerized station 4—43879
Matsuura, F., Oshima, K. Unmanned containerized stations need special heating and cooling design 4—62833
Matsuura, H., Matsuda, A., Okushi, H., Okuno, T., Tanaka, K. Metal-semiconductor junctions and amorphous-crystalline heterojunctions using B-doped hydrogenated amorphous silicon 4—58794
Matsuura, H., Okuno, T., Okushi, H., Hata, N., Yamasaki, S., Oheda, H., Matsuda, A., Tanaka, K. Electrical properties of n^+-p amorphous-crystalline heterojunctions 4—41885
Matsuura, H. *see* Iwaoka, H. 4—44720
Matsuura, K., Kihara, T., Yokoyama, H., Moriyama, Y., Miyazaki, T., Itoh, T. Development of calculation method for AC resistance of power cable conductors with individually insulated strands 4—56617
Matsuura, K. *see* Okano, K. 4—54203
Matsuura, M., Takafuji, Y., Nonomura, K., Funada, F., Wada, T. LCD panel using Te TFT array 4—55601
Matsuura, N. *see* Kawabe, M. 4—50753
Matsuura, S., Umebayashi, S., Okuyama, C., Oba, K. Current status of the micro channel plate 4—39448
Matsuura, S. *see* Matsumoto, S. 4—55010
Matsuura, T. *see* Hisa, S. 4—49754
Matsuura, Y. *see* Fukuda, T. 4—56284
Matsuura, Y. *see* Sagawa, M. 4—30953
Matsuyama, A., Fukamachi, M., Takahashi, K., Shiratori, N., Noguchi, S. A study on integrated computer network using radio channels. II. Fundamental characteristics of data transmission 4—48244
Matsuyama, I. *see* Ishihara, K. 4—57607
Matsuyama, K. Optical fiber research—present state and future problems 4—52589
Matsuyama, M. *see* Ichimura, K. 4—30283
Matsuzaki, K. *see* Yoshida, H. 4—56532
Matsuzaki, Y. *see* Fukushima, T. 4—41349
Matsuzawa, A. *see* Inoue, M. 4—51343
Matsuzawa, T., Kishimoto, A., Iwayanagi, T., Yanazawa, H., Obayashi, H. Application of a new MRS-type negative resist MRL to 365 nm reduction exposure system 4—30722
Matta, N.R. *see* Nasser, M. 4—57296
Mattachini, F. *see* Dinelli, G. 4—53180
Mattana, G. *see* Fantini, F. 4—29298, 4—58883
Mattano, N.N. Electrical equipment of the Torre Perez Company building 4—62897
Mattar, F.P. *see* Tai, K. 4—42708
Mattatia, R. *see* Ernoult, M. 4—34122
Mattauch, R.J. *see* Crowe, T.W. 4—58903
Mattauch, R.J. *see* Hatch, C. 4—58533
Mattauch, R.J. *see* Liu, J.-C. 4—58534
Mattauch, R.J. *see* Sherrill, G. 4—58904
Mattay, S. *see* Chen, K.W. 4—37558
Mattern, K., Weitz, H., Zorn, S. Simulation of data communication protocols with BORIS 4—32100
Matteson, W.H., de Lucia, F.C., Tobin, M.S. The energy-level structure of the CHD_2F FIR laser 4—59420
Matthai, J. *see* Klabes, R. 4—35494
Matthai, J. *see* Scharff, W. 4—29512, 4—41061
Matthaus, M. Quality observations on a municipal communications cable network 4—54036
Matthes, H., Pfestorf, W., Steinert, L. The effect of the source optics and the temperature of the sputter surface on the negative ion yield of the sputter source MISS-4M 4—33622
Matthes, W. Multi-microcomputer systems. III 4—51294
Matthes, W. Multi systems for microcomputers 4—58378
Matthews, D.E. *see* Jurgensen, H. 4—53443
Matthews, D.S., Pitzalis, O., Jr., Lee, R.E. Evaluation of FET devices and structures for performance potential in the millimeter-wave bands 4—58546
Matthews, J. *see* Aprile-Giboni, E. 4—55812
Matthews, J.C., Ury, M.G., Birch, A.D., Lashman, M.A. Microlithography techniques using a microwave powered deep UV source 4—36678
Matthews, K. *see* Bailey, G.C. 4—61374
Matthews, N.R. *see* Lynch, J.T. 4—58653
Matthews, P.A. Communications on the move 4—48399
Matthews, P.L. Radio integrated circuits for tomorrow 4—43926
Matthews, T. Telecomm system is nerve center 4—48330
Matthews, T. *see* Mark, J. 4—59681
Matthews, T.S. Microcomputer applications in education 4—45892
Matthews, W.C. The father of sound systems [biography of Milton Boom] 4—50279
Matthias, G.J. Wave solder machine cleaning brush with conductive fibers for dissipating electrostatic charges 4—36142
Mattingly, M. *see* Lakhani, A.A. 4—51965
Mattingly, S.S. *see* Wang, P.C. 4—61781
Mattison, E.M. *see* Vessot, R.F.C. 4—37251
Matts, S. Reducing precipitator costs efficiently [power plant dust control] 4—39961
Mattson, H.F., Jr. On the cosets of the simplex code 4—43179
Mattson, R.H. *see* Wilamowski, B.M. 4—51153
Matuk, C.A., Anderson, O.A., Biagi, L.A., Berkner, K.H., Cooper, W.S., Ehlers, K.W., Kwan, J., Leung, K.N., Lietzke, A.F., Maruyama, Y., Owren, H.M., Paterson, J.A. Design and fabrication of a surface conversion negative ion source and an 80 keV pre-accelerator 4—61667
Matulik, F. Schottky diodes and fast rectifying diodes for pulse supplies 4—58901
Matulionis, E. *see* Valacka, K. 4—58013
Matusewicz, A. Circuit considerations connected with internal flashover in picture tubes 4—38801
Matushita, S. *see* Kasahara, K. 4—31230, 4—37227
Matusmoto, T. *see* Shikata, T. 4—45367
Matuszczak, M., Just, J. Systems programs for an automatic test system 4—48723
Matuszczak, M. *see* Dobrowolski, K. 4—47119
Matveenko, A.V. *see* Zasavitskii, I.I. 4—47331
Matveev, A.A., Ignatenko, E.I. Optimization of fuel cycle of VVER-440 reactors in unitized nuclear power plant units 4—39996
Matveev, I.N. *see* Averin, A.P. 4—42549, 4—59390
Matveev, I.N. *see* Bakut, P.A. 4—60221
Matveev, O.A. *see* Zelenina, N.K. 4—46891
Matveev, V.F. More precise formulation of telegraph equations for analysis of electromagnetic coupling between non-parallel overhead lines 4—45125
Matveev, V.G. *see* Rot, A.A. 4—55728
Matveev, V.M. *see* Zemskov, K.I. 4—42555
Matveev, V.P. *see* Koltun, M.M. 4—62701
Matveev, V.V., Lytaev, R.A. Using low frequency noise values to predict the reliability of thyristors 4—34755
Matveev, Yu.N. *see* Denisov, V.M. 4—46437
Matveeva, L.A. *see* Gorbach, T.Ya. 4—37188
Matveyev, R.F. *see* Korshunov, I.P. 4—31145
Matwijiszyn, W. *see* Beer, M. 4—61282
Matyas, J. Stability analysis of a generalized discrete tracking filter 4—37939
Matyas, R. *see* Kamal, S.S. 4—32781
Matyas, S.M. *see* Jueneman, R.R. 4—37857
Matyas, S.M. *see* Lennon, R.E. 4—43785
Matyas, V. Determining the harmonic components with a noninteger number of periods over the duration of the analyzed time series 4—60037
Matys, J. Methods of optimum adjustment of manufacture parameters in producing chips for integrated circuits 4—52219
Matysiak, R. Crossbar KW rural exchange modernisation 4—54575
Matytsyn, E.N. *see* Usin, V.A. 4—42958
Matyukhin, Yu.D. *see* Berkutov, A.M. 4—39226
Matyushevskii, E.A. *see* Volodin, V.D. 4—39475
Matyushin, A.T. *see* Volodin, V.D. 4—39475
Matyushin, V.D. *see* Volodin, V.D. 4—39475
Matyushkin, V.P. *see* Andrukhiv, M.G. 4—46872
Matz, D. *see* Hoyer, P. 4—45480
Matz, D. *see* Hoyer, V.P. 4—40283
Mau, E.E. A no-frills modem 4—38370
Maucec, M. The optimal structures of the low-voltage city networks 4—56578
Mauch, S. Electricity tariffs: can the fixed standing charge for small consumers be abolished? 4—44953
Maucksch, T. Radiocode Test Set SCUD for selective-calling and data-transmission devices 4—39042
Maudsley, A.A. *see* Einstein, S.G. 4—61846
Mauer, E., Scharf, R. An automatic adaptive texture analysis in conjunction with multispectral analyses 4—38078
Mauger, B.G. Control your mobile power [starting transients protection] 4—35609
Mauger, R., Elkordi, M., Pariaud, J.C. Evolution of the impedance of a cell at various states of charge: application of V_2O_5/$LiClO_4$-CP/Li system 4—57308
Maul, D. *see* Steinemer, N. 4—49992
Mauntel, R., Cosentino, S., Herr, N., Barnes, J.J. A 1.5 micron HCMOS III technology for fast static RAMs 4—35814
Maurel, J. *see* Saint-Andre, B.V. 4—31803
Maurel, J. *see* Vidal Saint-Andre, B. 4—42997
Maurel, J.-C., Larka, B. A growing market for flat screen displays 4—37242
Maurer, F. ON/OFF switch with time limit 4—46588
Maurer, H. The Austrian approach to videotex 4—54215
Maurer, H. The significance of intelligent terminals for Bildschirmtext 4—54267
Maurer, H. *see* Cheng, H. 4—60440
Maurer, H. *see* Fellner, W.-D. 4—48110
Maurer, H.A., Rozsenich, N., Sebestyen, I. Videotex without 'Big Brother' 4—60441
Maurer, H.A., Sebestyen, I. Report on videotex development in Austria 1983 4—32304
Maurer, H.A. *see* Parker, D. 4—48508
Maurer, I.A. *see* Barannikov, A.L. 4—37497
Maurer, K., Kobschall, G., Rohrich, K., Scmitt, Ch., Walther, V.H. Silica aerogel threshold Cherenkov counters for use at intermediate energies 4—55847
Maurer, R. New concept of compact ballistic meter probes 4—33374
Maurer, R.H., Uy, O.M. Dual-in-line-package mounting for space applications 4—57849
Maurer, W. *see* Auer, M. 4—61193
Maurer, W. *see* Eisenbeiss, A. 4—51776
Maurice, P. Mixed-mode teletex: the electronic mail service of tomorrow 4—54148
Mauriello, A.J., Clarke, J.M. Radiated electromagnetic emission from rail transit vehicles 4—37625
Maurin, A.F., Gimpel'man, E.Ya., Rutman, D.S., Chusovitina, T.V. Particle-size composition of electrical periclase 4—29541
Maurin, M. *see* Tedenac, J.C. 4—36307
Maurin, T., Henry, B., Devos, F., De Saint Louvent, B., Gosselin, J. Feedback control of a Darrieus wind turbine and optimization of the produced energy 4—34533
Mauron, N. *see* Fort, B. 4—55226
Mauser, S.F. *see* Perkins, M.D. 4—62132, 4—62133
Maushart, R. Progress in radiation protection instrumentation for medical and biochemical radionuclide laboratories 4—39630
Mausl, R. Modulation methods for signal transmission. III. Modulation of a radio frequency pulse by an analogous signal 4—43076
Maut, F.Le *see* Le Maut, F.
Mautref, M., Lacroix, C., Belouet, C., Fages, C., Biotteau, B., Arnoult, F. Hydrogen passivation of electrically active defects in solar cells made from RAD polycrystalline silicon ribbons 4—34888
Mautz, J.R., Harrington, R.F. An *E*-field solution for a conducting surface small or comparable to the wavelength 4—47572
Mautz, J.R. *see* Wei, C. 4—42903
Mavaddat, F. *see* Justice, G.A.C. 4—55355
Mavashev, Yu.Z., Treskin, S.A., Avgustinovich, I.G., Rudshtein, V.L., Salikhova, F.S., Arushanov, G.M. Experimental study of the performance of transparent film temperature sensors under solar radiant fluxes of differing concentration 4—55369
Mavor, J. *see* Taylor, J.T. 4—51412
Mavor, J. *see* Wu, B. 4—51001
Mavritskii, O.B. *see* Gridin, V.A. 4—59611
Mavrodiev, G., Gajdardziska, M., Novkovski, N. Properties of SnO_2:F films prepared on glass substrates by the spraying method 4—30352
Maw-Ling Wang *see* Rong-Yeu Chang 4—46059
Mawhinney, D.D. Microwave tag identification systems 4—32681
Max, J.-J., Curtins, H., Shah, A.V. Cascaded distributed low-pass filters for EMI filtering 4—35936
Maxemchuk, N.F. *see* Chang, J.-M. 4—32123
Maxemchuk, N.F. *see* Jo-Mei Chang 4—60508
Maxey, C. Individual change and organizational practice—how they impact careers 4—50415
Maxey, M. Environmental simulation for electronics testing 4—35289
Maxham, K.Y., Hogge, C.R., Clendening, S.J., Chen, C.T., Dugan, J.M., Sheem, S.K., Offut, D.O. Rockwell 135-Mbit/sec lightwave system 4—54785
Maxia, V. *see* Delunas, A. 4—42474
Maxted, K.J. An electronic readout for radiotherapy treatment couch rotation 4—61813
Maxted, K.J. The effect of therapeutic X-radiation on a sample of pacemaker generators 4—61825
May, B.A. 82730 text coprocessor 4—41396
May, B.A., Volk, A.M. VLSI chips combine text and graphics 4—29957
May, F., Wolf, W. Using multi-stage motion compensation to separate moving objects from the moving background of a picture 4—38055
May, P.L. *see* Parris, M. 4—49038
May, R.G. *see* Jackson, B.S. 4—62005
May, R.G., Jr. *see* Williams, J.C. 4—54820
Maya, J. *see* Grossman, M.W. 4—57509
Mayanaga, H., Yamamoto, Y., Kobayashi, Y., Sakai, T. A 1.5 ns 1K bipolar RAM using novel circuit design and SST-2 technology 4—51208
Mayaram, K. *see* Sussman-Fort, S.E. 4—42056
Maybeck, P.S. *see* Roemer, W.A. 4—52757
Maybee, J.S. *see* Greenberg, H.J. 4—50651

Mayer, C.A. High-energy beams break into the big time [welding and cutting] 4—40656
Mayer, C.A. A-B-C's of power supplies 4—62867
Mayer, C.E. *see* Vogel, W.J. 4—31639
Mayer, D.C., Vasudev, P.K., Lee, J.Y., Allen, Y.K., Henderson, R.C. A short-channel CMOS/SOS technology in recrystallized 0.3-μm-thick silicon-on-sapphire films 4—42164
Mayer, D.C. *see* Lee, J.Y. 4—36871
Mayer, J. *see* Deak, I. 4—34110
Mayer, J.W. Gold contacts to semiconductor devices 4—58660
Mayer, J.W. *see* Thompson, M.O. 4—46915
Mayer, K. The reproduction of dark grey shades in film-scanners 4—38039
Mayer, L. Justification of the convenience of DC railway electrification at voltages higher than 3000 V 4—45695
Mayer, L. *see* Barbieri, S. 4—41712
Mayer, R.-W. CAD in electronics construction: effects on the designing engineer and on the construction result 4—35271
Mayer, T.M. *see* Vitkavage, D.J. 4—46944
Mayer, V.A. *see* Kachurin, G.A. 4—41969
Mayer, W.G. *see* Ngoc, T.D.K. 4—58070
Mayergoyz, I.D. Boundary Galerkin's approach to the calculation of eddy currents in homogeneous conductors 4—31584
Mayers, J. The use of vanadium as a scattering standard for pulsed source neutron spectrometers 4—39493
Mayes, B.W. *see* Phillips, G.C. 4—39425
Mayes, P.E. *see* Halpern, B.M. 4—60700
Mayet, L., Gavand, M., Dutartre, D., Laugier, A. Isothermal LPE growth of high efficiency solar cells with graded band gap GaAlAs-GaAs heterostructures 4—58032
Mayeur, X. *see* Bodson, J.M. 4—34636
Mayewski, J. Universal means of emulation increase the productivity of the designer 4—51118
Maynard, R.B., Moscony, J.J., Saunders, M.H. A study of the etching kinetics of low carbon steel using the ferric perchlorate-perchloric acid system as a model 4—35302
Maynard, R.B., Moscony, J.J., Saunders, M.H. Ferric chloride etching of low carbon steels 4—35303
Mayne, D.Q., Polak, E. Nondifferential optimization via adaptive smoothing 4—50693
Mayne, D.Q. *see* Polak, E. 4—46167
Mayo, E. 30-MHz functional tester for VLSI-based circuit boards 4—30206
Mayo, E. Modular benchtop system tests analog/mixed technology ICs 4—33110
Mayo, E. Networkable stations test linear and mixed devices 4—50501
Mayo, E. Production test system handles up to 32 Winchester drives 4—50502
Mayo, E. Optics-based lead scanner for DIP IC inspection 4—50555
Mayo, E. Memory testers 4—55176
Mayo, E. Memory board testers address 'real-world' problems 4—55177
Mayo, E. Parametric tester directs four remote test stations 4—55178
Mayo, E. Functional real-time tester for digital and hybrid PCBs 4—55179
Mayo, M.D. LVI receiver circuit with improved noise margin 4—46534
Mayorga, R. *see* Romano, R. 4—39824
Mayr, H. Theory of vented loudspeaker enclosures 4—38891
Mayr, M. *see* Feuerstein, A. 4—44287
Mayr, M. *see* Feurestein, A. 4—29524
Mayr, M. *see* Roll, K. 4—29525
Mayr, U. *see* Hutter, M. 4—56581
Mayr, W., Stach, M.F. Module documentation chip 4—29919
Mayr, W. *see* Beer, M. 4—61282
Mays, I.D. The development programme for the Musgrove wind turbine 4—34543
Mayschak, R. *see* Van Voren, E.J. 4—30862
Mayseless, M. *see* Rosenberg, Z. 4—61546
Mayzel, F. *see* Kamler, J. 4—44216
Mazaika, P.K. A local spatial correlation length for background modeling 4—60157
Mazaryan, M.A. *see* Zemskov, K.I. 4—42555
Mazdiyasni, K.S. Fine particle perovskite processing 4—47146
Mazen, S.A. *see* Ghani, A.A. 4—58737
Mazhorova, O.S., Popov, Yu.P., Smirnov, V.A., Shlepskii, A.A. Numerical modelling of the process of growth of single crystal layers of semiconductor materials by the liquid phase epitaxy method 4—29479
Maziere, M.De *see* De Maziere, M.
Mazin, V.D. Error of measurement in the compound-ratio method 4—55137
Mazliah, J., Naumann, S., White, C., Milner, M., Carroll, N. Electrostimulation as a means of decreasing knee flexion contractures in children with spina bifida 4—56158
Mazmanidi, E.I. *see* Abuseridge, A.V. 4—57175
Mazor, A. A 94-GHz pulsed IMPATT diode source 4—36062
Mazor, B., Pearlman, W.A. Transform trellis coding of speech 4—43284
Mazumder, B.C. *see* Saha, A.R. 4—36005
Mazur, A.S. The power of an induction motor subjected to asymmetric voltage regulation 4—45440
Mazur, A.S. *see* Gerasimyak, R.P. 4—45682
Mazur, E. A device for measuring voltage increments 4—48982
Mazur, J.H., Gronsky, R., Washburn, J. Oxidation of singular and vicinal surfaces of silicon: the structure of Si-SiO_2 interface 4—51883
Mazur, P.O. *see* Rameika, R. 4—33678
Mazur, P.O. *see* Wagoner, D.E. 4—33676
Mazurchik, N.B. *see* Romanovskii, E.A. 4—61699
Mazure, C. *see* Dolgopolov, V. 4—51888
Mazure, C. *see* Gold, A. 4—30445
Mazurek, B. *see* Funke, J. 4—62208
Mazurek, E.S. *see* Manfredi, A.G. 4—57819
Mazurin, I.M. *see* Cherneeva, L.I. 4—62648
Mazurov, A.M. *see* Senyagin, Yu.V. 4—40306
Mazurov, I.B., Sibiryak, Yu.G. Spectrometric measurement and signal processing module of semiconductor detectors 4—39483
Mazurs, Yu.Ya. *see* Krogeris, A.F. 4—39986
Mazza, G., Mazzoleni, B. 1000 kV gas insulated switchgear [substation switchgear] 4—40350
Mazza, R.J., Washbourn, D.H. The use of fibre optics in viscometry 4—49047
Mazzarell, G.R., Krueger, C.H. Upgrading—uprating to achieve availability and economical capacity 4—49746
Mazzocato, C. *see* Allegro, G. 4—31426
Mazzocco, C.F. *see* Chung, A.S. 4—34241
Mazzola, J.B. *see* Balas, E. 4—50696, 4—50697
Mazzoleni, B. *see* Mazza, G. 4—40350
Mazzone, A.M. Formation and growth of a damaged layer during implantation. A three dimensional Monte Carlo simulation 4—36439
Mazzone, A.M., Rocca, G. Three-dimensional Monte Carlo simulations. I. Implanted profiles for dopants in submicron device 4—30506
Mazzone, A.M. *see* Galloni, R. 4—34895
Mazzoni, G., Bentivoglio, G. Electric pump and invertor 4—40636
Mazzoni, M.A. *see* Baroni, G. 4—55870
Mazzoni, R. Testing the chip store 4—39018
Mazzoni, R. Professional CCD's—British technology 4—47126
Mazzucchelli, G. *see* Denegri, G.B. 4—57487
Mazzucchelli, M. *see* Girdinio, P. 4—56963
Mbewe, D.J., Thomson, D.J., McLeod, R.D., Card, H.C. High-injection conditions at dislocations in silicon: a mechanism for dependence of lifetime on photogeneration rate 4—42483
M.Darnell *see* Darnell M.
Mdivnishvilli, M.O. *see* Barkhudarov, E.M. 4—53112
Mead, C. VLSI and the foundations of computation 4—52234
Mead, C. *see* Tanner, J.E. 4—44516
Mead, C.A. *see* Tzu-Mu Lin 4—41274
Mead, M.M. *see* Shoults, R.R. 4—56455
Meadows, P. *see* Dougherty, H. 4—44827
Meakin, J.D. The development of photovoltaic materials 4—50096
Mealey, D. *see* Meredith, H. 4—40731
Mealing, A.W. *see* Nightingale, C.R. 4—56864
Meaney, T.F. *see* Pavlicek, W. 4—49159, 4—49160
Mears, B.R. A modular method for designing custom signal processing integrated circuits 4—51310
Mears, L.D. *see* McMain, A.T., Jr. 4—50265
Mears, R.J. *see* de Fornel, F. 4—52572
Meausre, E.M. *see* Lindberg, J.D. 4—56285
Meazza, G. *see* Allegro, G. 4—31426
Mebarki, M. *see* Joullie, A. 4—30514
Mecarik, M. Analysis of heat pumps. II. Practical applications 4—57579
Mecea, V. *see* Dadarlat, D. 4—52440
Mecklenbrauker, W.F.G. *see* Claasen, T.A.C.M. 4—53767
Mecklinger, R. Optoelectronics turns smoke signals into a first-class innovation 4—38602
Mecocci, A. *see* Borghesi, P. 4—53928
Mecocci, A. *see* Cappellini, V. 4—43437
Medcraft, B. Current ISDN developments 4—43907
Medd, C. A cable operator's view: realities and priorities 4—55041
Meddi, F. *see* Baroni, G. 4—55870
Medecki, H. *see* Kauffman, R.L. 4—61737
Medecki, H. *see* Kinoshita, K. 4—61735
Meder, L., Rozycki, J., Kasprzak, A., Chuchro, J. A microprocessor-based system for measuring and processing signals for power management in the Huta Katowice Steelworks 4—49648
Medic, I. Calculation of extended earthing systems 4—39913
Medina, J.L. *see* Lazcano, A. 4—36079
Medinah, M. *see* Shinar, J. 4—46098
Medioni, G. *see* Kaufmann, P. 4—58624
Meditch, J.S. Optimality properties of proportional capacity assignment in message and packet-switched networks 4—47931
Medjaou, M. *see* le Floch, A. 4—37396
Medko, V.S. *see* Shaterin, M.A. 4—61571
Medley, J.E. Consultancy for industrial projects 4—50477
Mednikarov, B. Evaporated As_2S_3—reproduction fidelity for microelectronics 4—47099
Mednikov, V.A., Shopin, G.P. Investigating output signal spectrum of mean-value integrating convertor 4—46597
Medoff, B.P. *see* Chatterjee, B.G. 4—35928
Medved', A.V. *see* Gulyaev, Yu.V. 4—42214
Medvedev, A.V. *see* Koshurnikov, E.K. 4—34588
Medvedev, S.Yu., Muzychuk, O.V. The effect of pumping noise on the characteristics of a one-loop parametric amplifier 4—51010
Medvedev, Yu.V. *see* Detinko, M.V. 4—42842
Medvedkin, G.A. *see* Averkieva, G.K. 4—30397
Medvid, A.P. Magnetoconcentration effect in semiconductors with transversal gradient of the thermal generation of current carriers 4—51756
Medvid', Ya.V., Fedoriv, R.F. A saw-tooth pulse generator 4—51040
Medyanik, V.N. Electrolytic method of making thick cobalt foils 4—50530
Medzhidova, V.K. *see* Aliev, I.M. 4—30583
Mee, D.H. *see* Rees, N.W. 4—34433
Mee, R.W. Tolerance limits and bounds for proportions based on data subject to measurement error 4—50629
Meehan, K., Brown, J.M., Gavrilovic, P., Holonyak, N., Jr. Thermal-anneal wavelength modification of multiple-well *p-n* $Al_xGa_{1-x}As$-GaAs quantum-well lasers 4—31388
Meehan, K., Brown, J.M., Holonyak, N., Burnham, R.D., Paoli, T.L., Streifer, W. Stripe-geometry AlGaAs-GaAs quantum-well heterostructure lasers defined by impurity-induced layer disordering 4—31369
Meehan, S.J. *see* Cosentino, R.J. 4—54031
Meek, P.R., Holland, L. Magnetron sputtered lithium niobate films 4—41102
Meeker, B. *see* Ogden, S. 4—50561
Meeker, T.R. Comments on 'IEEE Standard on piezoelectricity 176-1978' 4—48678
Meeker, T.R., Grise, W.R. Packaging and reliability of SAW filters 4—52406
Meekes, M.A.A.M. *see* Goovaerts, H.G. 4—33787
Meeks, E.L. *see* Summers, C.J. 4—50764
Meeks, G.E. The church that rocks and rolls [public address system] 4—55108
Meeks, S.W., Auld, B.A. Acoustic wave reflection from ferroelastic domain walls 4—56345
Meeks, S.W., Ting, R.Y. The evaluation of PVF_2 for underwater shock-wave sensor application 4—34004
Meer, A.C.P.van *see* van Meer, A.C.P.
Meer, J.J.van der *see* van der Meer, J.J.
Meerkotter, K. *see* Fettweis, A. 4—51463
Meerovich, E.A., Chal'yan, K.M., Bukzdorf, N.V. Optimisation of screen connection schemes for conductors with current-limiting reactors 4—56378
Meerovich, E.A., Vasil'ev, K.M. Mathematical model and algorithm for calculating transients in an electromagnetic system 4—62715
Meester, G.T. *see* Bom, N. 4—49263
Meeteren, H.P.Van *see* Van Meeteren, H.P.
Meffert, B., Langer, H. Walsh transformation and its application to analysis of biosignals by means of microcomputers 4—56130
Meffert, B., Langer, H., Schubert, D. Characteristic functions of the sequency technique and examples of the application in information processing 4—37945
Mefod'ev, S.P. *see* Onishchenko, G.B. 4—34979
Meger, R.A. *see* Neri, J.M. 4—34801
Meger, R.A. *see* Ottinger, P.F. 4—57277
Meggitt, D.J., Ottsen, H. The state of the art in simulation of ocean cable systems 4—61969
Megie, G., Flamant, P., Bourdet, M., Browell, E., Hall, W., Talbot, J. An ER-2 airborne LIDAR as part of the development program of a spaceborne system: a potential NASA/CNES cooperative project 4—61932
Megie, G., Pelon, J., Flamant, P. Spaceborne LIDAR applications to meteorology and environmental studies 4—61930
Meglicki, Z. *see* Dell, J. 4—47055, 4—52108
Meguro, T. *see* Gautam, J.K. 4—52393
Meguro, T. *see* Yamanouchi, K. 4—52392
Mehl, B. *see* Lorenz, S. 4—39651
Mehl, J. Teledata: from experiment to commercial operation 4—43716
Mehl, M. *see* Encarnacao, J.L. 4—51363
Mehlhorn, K. AT^2-optimal VLSI integer division and integer square rooting 4—51362
Mehlhorn, K., Preparata, F.P. Area-time optimal VLSI integer multiplier with minimum computation time 4—51370
Mehlhorn, K. *see* Lengauer, T. 4—46301
Mehlmann, A., Willing, R. A game theoretical analysis of the Faust motive 4—46099
Mehmet-Ali, M.K., Woodside, C.M. Optimal choice of packet size and reconstruction delay for a packet voice system 4—32127
Mehra, R., Restivo, M., El-Sherif, N. Electromyographic noise reduction for high resolution electrocardiography 4—49216
Mehra, R.K. *see* Rouhani, R. 4—49566
Mehra, R.M., Kumar, H., Koul, S., Mathur, P.C. Thickness dependence of DC conductivity of amorphous Se and binary amorphous Se-Ti, Se-Ge and Se-Sb films 4—41848
Mehravari, N. *see* Berger, T. 4—53970

Mehrgardt, S. 32-bit processor produces analog signals 4—39104
Mehrotra, K. *see* Shon, S. 4—53734
Mehrotra, P. *see* Salu, Y. 4—49194
Mehrotra, S., Wu, T.-C., Chiu, T.-L., Perlegos, G. A 64 Kb CMOS EEROM with on-chip ECC 4—51230
Mehta, S., Kirk, B., Ng, M., Babbar, R. CIPAR—a complete correct-by-construction placement and routing system 4—58991
Mehta, S. *see* Weinberg, I. 4—45620
Mehta, S.K. Current gain of silicon bipolar transistor with polysilicon emitter contact 4—30602
Mehta, Y. *see* Soderman, D.A. 4—36906
Mei Ju-fung *see* Chen De-sen 4—51695
Mei-yong Lin *see* Lin Mei-yong
Meibner, J. Design and performance of groove-guide directional couplers 4—41552
Meidong, L. *see* Shiliang, W. 4—58557
Meier, A.A., Chetverikov, N.I., Gezha, Yu.I. Effect of structural flaws in metallic coatings on the measurement errors of surface resistance 4—33432
Meier, A.A., Polyakov, A.V. Analysis of potential distribution over the surface of printed conductors 4—36135
Meier, A.R. Major real estate developers building huge new telephone resale and tenant services industry 4—54111
Meier, D.L., Schroder, D.K. Contact resistance: its measurement and relative importance to power loss in a solar cell 4—45644
Meier, D.L. *see* Schroder, D.K. 4—45643
Meier, G. Publisher's advertising concepts and realisation in Bildschirmtext 4—54308
Meier, G.E.A. *see* Stasicki, B. 4—48963
Meier, H.W. Tendencies in computer network technology 4—54384
Meier, K.L. Space reactor preliminary mechanical design 4—40042
Meier, P. *see* Ostgen, M. 4—61815
Meier, U. *see* Knobloch, G. 4—35488
Meierer, R. *see* Tsironis, C. 4—36046
Meierhofer, F. The control panel and control system of the new Grundig video recorders 4—38873
Meignant, D., Binet, M. A high performance 1.8 GHz strobed comparator for A/D converter 4—29955
Meihua Lian *see* Lian Meihua
Meijer, G.C.M. Monolithic temperature transducers 4—33288
Meijer, G.C.M. Design aspects of analogue transducer electronics. II. Noise and offset in integrated amplifiers 4—35667
Meijs, N.P.van der *see* van der Meijs, N.P.
Meikle, S. *see* Fortin, E. 4—51832
Meiksin, Z.H. Sensors for neural-type robotics 4—39170
Meilach, D.Z. Telex from your terminal 4—32261
Meiliang Cao *see* Cao Meiliang
Mein, G., Loewen, A. Digital communications using time compression multiplexing technology 4—32542
Meinck, M. *see* Danneels, J. 4—52167
Meindl, J.D. Theoretical, practical and analogical limits in ULSI 4—36735
Meindl, J.D. *see* Bakoglu, H.B. 4—52235
Meindl, J.D. *see* Gross, S.J. 4—56187
Meindl, J.D. *see* Kuo, J.-B. 4—51428
Meindl, J.D. *see* Lewyn, L.L. 4—36862, 4—51234
Meindl, J.D. *see* Pfiester, J.R. 4—30789, 4—52308, 4—59040
Meindl, J.D. *see* Reid, B.K. 4—58983
Meindl, J.D. *see* Singh, H.J. 4—36617
Meinel, K. *see* Klein, H. 4—33599
Meiners, E.P., Lenz, L.L., Dalby, A.E., Hornsby, J.M. Recommended standards for digital tape formats 4—61910
Meiners, I.G. Electrical properties of Al_2O_3 and AlP_xO_y dielectric layers on InP 4—30451
Meiners, L.G. Deposited dielectric for III-V semiconducting devices 4—46875
Meinung, A. Bildschirmtext as information and business instrument in German tourism 4—54297
Meinzer, H.P. *see* Engelmann, U. 4—33848
Meir, P.F. Conditional testing of consumer units 4—57784
Meirleir, K.De *see* De Meirleir, K.
Meis, F.U. *see* Konig, W. 4—50514
Meisel, K., Schinkel, P. Technical form of the OSShD rail radio system 4—48413
Meissner, J. Groove-guide directional couplers with improved bandwidth 4—58501
Meissner, P. Generalized Markov models for the composite source switch process representing the coarse structure of speech signals 4—43285
Meissner, P., Patzak, E., Yevick, D. A numerical investigation of lateral holeburning effects on the spectral behaviour of stripe geometry lasers 4—47468
Meissner, P., Patzak, E., Yevick, D. A self-consistent model of stripe geometry lasers based on the beam propagation method 4—59536
Meissner, P. *see* Yevick, D. 4—53021
Meister, J.J. Measurement of the flow of blood by ultrasonic Doppler effect 4—61763
Meister, R.K. *see* Brooks, G.W. 4—36388
Meister, W. On the minimization of three-level combinatorial circuits 4—51105
Meisterhofer, E., Lippitsch, M.E. Computer simulation of a CO_2 high power laser with folded resonator 4—52881
Meixiao Yang *see* Yang Meixiao
Meiying Kong *see* Kong Meiying
Meketon, M.S., Topkis, D.M. Adaptive routing for damaged networks 4—32118
Mekhale, R.N. A phase tracking three phase generator 4—58190
Mekhtiev, A.Sh. *see* Akopyan, E.A. 4—48908
Mekhtieva, S.D. *see* Isaev, A.I. 4—30309
Mekjavic, I.B., Morrison, J.B., Brengelmann, G.L. Construction and position verification of a thermocouple esophageal temperature probe 4—49119
Melacci, P.T. *see* Bicocchi, R. 4—38013, 4—48501
Melan, E.H., Curtis, R.T., Snyder, G.A. Quality data systems in semiconductor manufacturing 4—50567
Melanchook, E.M. VLSI board tester has automatic generation of functional tests and up to 1152 channels 4—61205
Melashenko, I.P. *see* Al'tman, A.B. 4—30148
Melcher, J.R. *see* Gasworth, S.M. 4—30856, 4—30857
Melchior, H. Analog fiber-optic systems 4—54826
Melchior, H. *see* Buchmann, P. 4—31110
Melchior, H. *see* Schmid, P. 4—59336
Melchior, H. *see* Zogg, H. 4—50751
Melear, C. An alterable microcomputer ushers in a new era 4—41400
Melear, C. The MC 6805 family: modularity, versatility and the power to help designers 4—58362
Melek, M. *see* Cudd, P.A. 4—39609
Melekhin, G.V., Melekhina, G.P., Chirkin, M.V. Mode losses in adfocal resonators 4—31419
Melekhin, V.N. Point-to-point mapping invariant curves of point representations and natural oscillations of open resonators 4—30080
Melekhina, G.P. *see* Melekhin, G.V. 4—31419
Melekhov, M.E. *see* Buzinov, V.S. 4—55615
Melendres, C.A., Xu, S.Q. Anodic dissolution of iron phthalocyanine film electrodes 4—30473
Melent'ev, L.A., Makarova, T.E. Systems research in power engineering 4—44941
Meleshkin, V.N. Matrix transformation of equations of state and equivalent networks of linear circuits 4—41156
Meleski, J.V. Industrial infrared radiation thermometers survive by design 4—61404
Melezhik, P.N. *see* Koshparenok, V.N. 4—58511
Mel'gui, M.A., Sandomirskii, S.G. Possibility of compensation of the influence of vibration displacements of a magnetized bar on the result of measurement of its residual field 4—35533
Mel'gui, M.A., Sandomirskii, S.G. EMF of a scanning coil when a nonuniformly magnetized long rod is moved through it 4—41130
Melham, T. *see* Liblong, B. 4—52243
Melhem, R.G., Rheinboldt, W.C. A mathematical model for the verification of systolic networks 4—51160
Meli, R.M., Fallside, F. A system for converting teletext into speech 4—54210
Melichar, J. *see* Florek, M. 4—44688
Meligi, A.E. Environmental qualifications of nuclear plant components: safety and economics 4—45234
Meliksetyan, T.E. *see* Arutyunyan, V.M. 4—59467
Melikyan, A.O. *see* Avetisyan, S.K. 4—31487
Melillo, J.G. Designing an air barrier cover for safety 4—49536
Melinte, D. *see* Melinte, S. 4—34902
Melinte, S., Jeflea, A., Mateescu, N. The influence of the oxide layer thickness on the intensity of the electric current in a Schottky cell 4—34873
Melinte, S., Jeflea, A., Moise, M., Melinte, D. On some parameters determining the efficiency of Schottky solar cells based on CdS 4—34902
Meliopoulos, A.P., Bakirtzis, A.G., Kovacs, R. Power system reliability evaluation using stochastic load flows 4—45012
Meliopoulos, A.P., Feliachi, A., Bakirtzis, A.G., Cokkinides, G. Development of courses on power system energy control centers 4—50351
Meliss, M. Regenerative energy sources 4—45198
Mel'kanovich, A.F., Arbit, I.I. Study of basic parameters for industrial piezoelectric transducers 4—44497
Melkov, G.A. *see* Zhitnyuk, V.S. 4—52452
Melkumian, A.V. Distortion measures in image data compression and transmission systems 4—53951
Meller, V.M. Load rating of conductors and cables in terms of thermal wearout of insulation 4—62197
Mellet, R. *see* Mircea, A. 4—41092
Melling, P.J. *see* Taghizadeh, M.R. 4—37118
Mellish, W.C. *see* Lynnworth, L.C. 4—49485
Melloch, M.R., Wagers, R.S., Hall, B.F. Sources of spurious signals in the strip coupled GaAs memory correlator 4—52428
Melloch, M.R., Wagers, R.W. Controlled diode profiling for GaAs strip-coupled correlators 4—42212
Melloch, M.R. *see* Martin, S.J. 4—30933
Melloch, M.R. *see* Wagers, R.S. 4—52426
Mellor, D.J. *see* Bayliss, K.H. 4—57281
Mellor, N. Wideband networks for computer communications 4—48204
Mellor, P.V. *see* Whitehead, D.G. 4—55264
Melngailis, I. *see* Rediker, R.H. 4—52851
Melnicoff, R.M. Using voice to access the data base 4—43250
Melnicoff, R.W. Getting behind the modern man-machine interface: a look at speech technology 4—47811
Mel'nik, B.G. *see* Titov, V.S. 4—61305
Mel'nik, P.V. *see* Goltvyanskii, Yu.V. 4—36341
Mel'nik, R.I. *see* Galanov, E.K. 4—46261, 4—58849
Mel'nik, V.I., Novikov, A.A. Controlling the geometric parameters of electron beams in a high-voltage glow discharge 4—39389
Mel'nik, V.I. *see* Zubov, V.G. 4—61322
Mel'nikov, A.K. *see* Danilov, A.V. 4—51051
Mel'nikov, A.P. *see* Bannaya, V.F. 4—51765
Mel'nikov, A.V. *see* Borisov, B.N. 4—42604
Melnikov, N.A. *see* Mamaev, A.V. 4—53060
Mel'nikov, V.G. *see* Arutyunov, V.A. 4—55138
Mel'nikov, V.L. *see* Magazinnik, G.G. 4—57177
Melnikova, V.A. *see* Belykh, V.N. 4—47868
Mel'nikova, Yu.S. Influence of the dopant profile of an n^+-n-p^+ structure on the current-voltage characteristic in the breakdown region 4—46856
Melody, W.H. Economics of spectrum allocation 4—32892
Melore, D.P., Coleman, E. A versatile interference adaptive antenna processor design approach 4—48415
Melosh, J.A. A major communications joint test facility 4—39052
Melot, J.P. *see* Gilmore, R.S. 4—51327
Meloyan, R.G. *see* Puzakov, V.V. 4—45797
Mels, W.A. *see* van Beek, H.F. 4—33674, 4—33782
Melsen, C.van *see* van Melsen, C.
Melson, G.B., Denny, H.W. Supplemental grounding of external collectors 4—39936
Melstrand, O., O'Neill, E., Sobelman, G.E., Dokos, D. A data base driven automated system for MOS device characterization, parameter optimization and modelling 4—30616
Melter, R.A. *see* Harary, F. 4—38034
Mel'tser, B.Ya. *see* Kop'ev, P.S. 4—58034
Meltz, G. *see* Dunphy, J.R. 4—52640
Meltzer, D. *see* Feinberg, I. 4—35314
Melville, R. *see* Aggarwaal, A. 4—47716
Melvin, G.E. *see* Burgess, A.C. 4—30230
Melvin, G.E. *see* Hetherington, R. 4—30228
Memita, N., Suzuki, T., Itaka, K., Furukawa, H., Kikuchi, K., Ninomiya, K. Development and installation of 275 kV SF_6 gas-insulated transmission line 4—45128
Men', A.V. A high-sensitivity correlation receiver for radio interferometry 4—38756
Men Shao-xiong Quasi-bell transform pseudo-color coding in TV technique 4—61021
Mena, J. *see* McGregor, P. 4—47053
Menakhin, L.P. *see* Korobova, N.I. 4—30286
Menasce, D.A. *see* Gambosi, G. 4—48283
Menasche, M. *see* Berthomieu, B. 4—54397
Mencaraglia, D. *see* Longeaud, C. 4—30358
Mencher, S. The view from AT&T 4—60306
Menchi, O. *see* Arioli, M. 4—50688
Menchikov, V.M. *see* Ivanov, V.A. 4—33089
Mendas, I., Vujkovic Cvijin, P., Ignjatijevic, D. Conditions for the harmonic-like and efficient amplitude modulation of the CW Gaussian laser beam by means of a mechanical chopper 4—37420
Mende, G.T. *see* Logvinenko, S.P. 4—61325
Mende, M. *see* Eigler, H. 4—42067
Mendel, C.W., Quintenz, J.P., Zagar, D.M., Johnson, P.R., Anderson, R.J., Widner, M.M. Series-field-coil ion beam diode experiment and numerical simulation 4—55806
Mendel, C.W., Jr. *see* Seidel, D.B. 4—31720
Mendel, E. *see* Davari, B. 4—36489
Mendel, J.M. *see* Chi, C.Y. 4—43321
Mendel, J.M. *see* Chi, C.-Y. 4—43390, 4—60076
Mendel, J.T. The clouded future of microwave tubes and solid state devices 4—35231
Mendel, R.-G. Standardized interfaces widen the application possibilities of system-adaptable measuring devices 4—61206
Mendelsohn, T. The business of providing information 4—54231
Mendenhall, M. *see* Martin, A.R. 4—39268
Mendenhall, R.S., Neuman, M.R. Efficacy of five noninvasive infant respiration sensors 4—49128
Mendez, E.E., Price, P.J., Heiblum, M. Temperature dependence of the electron mobility in GaAs-GaAlAs heterostructures 4—51814
Mendez, E.E., Wang, W.I., Chang, L.L., Esaki, L. Fractional quantum Hall effect in a two-dimensional hole system 4—58775
Mendez, E.E. *see* Chang, C.A. 4—51856
Mendez, E.E. *see* Chin-An Chang 4—51821
Mendez, E.E. *see* Heiblum, M. 4—41862, 4—50765
Mendez, E.E. *see* Washburn, S. 4—30412
Mendez, I.O. R&M of systems with exponential time densities 4—46042

Mendez, J. A circuit to provide protection from surge voltages [for CB transceiver] 4—51497
Mendez, J.A. *see* Gato, B. 4—53906
Mendiola, J., Jimenez, B. Review of recent work on ferroelectric composite systems 4—30846
Mendlowitz, J. *see* Hanson, A.C. 4—59566
Mendonca, A.L. *see* Ritz, K.N. 4—52228
Mendoza-Santoyo, F. *see* Bahuguna, R.D. 4—59646
Mendrik, J. *see* Blyth, W. 4—61092
Mendyk, J. *see* Przyluski, J. 4—62703
Meneghini, R. *see* Atlas, D. 4—49453
Meneguzzo, A.T. *see* De Giorgi, M. 4—55294
Menendez Lozano, A. *see* Sanchez Dominguez, J. 4—49238
Menesatti, P. *see* Farneti, F. 4—62194
Menetrier, M. *see* Levasseur, A. 4—45611, 4—62686
Menezes, S. 12% solar conversion efficiency by interphase restructuring 4—57337
Meng Qingsheng Source coding theorems for discrete finite source sequence 4—59937
Meng Shaoxian *see* Liang Peihui 4—31450
Meng Shaoxin *see* Shaoxin Meng
Meng Xianren, Yang Xianfa, Zhang Xuehua, Bu Yushun Resistance anomaly of superconducting Nb_3Ge films after Mg^+ implantation 4—47208
Meng Xiao-fan *see* Wei Guo-zhu 4—37055
Meng Xiaofan, Cui Guangji, Huang Yuanfu, Xue Lixin Studies on the fabrication technology and cycling stability of Pb-In alloy superconducting tunnel junctions 4—52490
Meng Xiaofan, Cui Guangji, Wei Guozhu Surface observation and failure cause study of Pb and Pb-alloy Josephson junctions 4—47211
Meng Xiaofan *see* Shao Kai 4—42290
Mengali, U. *see* Del Pistoia, A. 4—32632
Mengel, A.V. The new generation of IR camera tubes 4—41790
Mengel, E.E., Stover, D.W. Microprocessor for the NR series of hydrogen maser frequency standards 4—39000
Mengel, P. *see* Doemens, G. 4—36725, 4—55694
Mengyan Yang *see* Yang Mengyan
Mengzhao, Q. Stability of difference schemes for a class of partial differential equations 4—29418
Menil, F. *see* Lucat, C. 4—55428
Meninger, M. Supplementary conditions for the synthesis of the coding function of alphabetic line codes with respect to error propagation during decoding 4—43130
Meninger, M. Criterion for comparing line codes with a view to crosstalk interference 4—53416
Mennell, T.W. Improvements to feeder pillar design 4—45555
Menniti, P., Storti, S. Low drop regulator with overvoltage protection and reset function for automotive environment 4—50945
Menon, M.G.K. *see* Krishnasawamy, M.R. 4—33735
Menon, P.R. *see* Abramovici, M. 4—35723, 4—36709
Mensa, D.L. Wideband radar cross section diagnostic measurement 4—44169
Mensa, D.L. *see* Halevy, S. 4—54856
Mensh, M. The case for videotex 4—48091
Men'shikov, V.M. *see* Grigor'ev, M.I. 4—49878
Mensing, H.H. *see* Kloeppel, F.W. 4—34111
Ment Xiaofan, Cui Guangqi, Li Jiazhang, Guo Weixin, Wang Shouzheng, Wu Xiuwen, Zhang Taiping, Wei Yumei Fabrication of Nb superconducting films and Nb Josephson tunnel junctions by electron-beam evaporation 4—37057
Mentel, J. *see* Jaax, B. 4—50201
Mentes, G. Capacitive transducers for horizontal pendulums and gravimeters 4—49441
Menyailo, A.D., Cherednikov, P.I., Kasap, G.G. Investigation of noise processes and stability of generators based on semiconductor diodes 4—41601
Menzel, E., Buchanan, R. In-the-lens secondary electron analyser for IC internal voltage measurements with electron beams 4—39250
Menzel, R., Ponisch, G. A quadratically convergent method for computing simple singular roots and its application to determining simple bifurcation points 4—35437
Menzel, W. Compact 94-GHz dual-polarization radar receiver realized using different integration techniques 4—38679
Menzies, R.T. A tunable coherent CO_2 lidar for measurements of atmospheric aerosol backscatter and attenuation 4—56288
Menzies, R.W., Mahmoud, A.M.A. Comparison of optimal PWM techniques with a bang-bang reference current controller for voltage source inverter-fed induction motor drives 4—57431
Menzies, R.W., Mahmoud, A.M.A., Au-Yeung, H. Design and operation of a reference current controller for producing PWM waveforms 4—34817
Menzies, R.W. *see* El-Marsafawy, E. 4—39825
Menzies, R.W. *see* Turanli, H.M. 4—34162, 4—56568
Menzione, A. *see* Amendolia, S.R. 4—49068
Meola, K.D., Wenning, E.C. Tracking troubles in the switching network 4—32560
Mephan, M. Mass storage: if the bubble bursts 4—52475
Merakos, L., Kazakos, D. Stack algorithms for local area networks 4—32129
Merakos, L., Srikanta Kumar, P.R. Stack algorithms for local area networks 4—38121
Merakos, L. *see* Kumar, P.R.S. 4—48260
Meras, J.E. *see* McNamara, J.H. 4—50270
Merat, F.L. *see* Gasiewski, A.J. 4—37594
Meravy, P. *see* Brunovsky, P. 4—41001
Mercea, V. *see* Chirtoc, M. 4—44511, 4—48899
Mercer, M.R., Agrawal, V.D. A novel clocking technique for VLSI circuit testability 4—42097
Mercer, R.H. Radio paging: past and present 4—38205
Mercer, R.L. *see* Bahl, L.R. 4—53546
Mercer, R.L. *see* Cohen, J.R. 4—47794, 4—53465
Mercer, R.L. *see* Lucassen, J.M. 4—53569
Merchant, P. *see* Amano, J. 4—30422
Mercier, G. *see* De Mori, R. 4—53573
Mercier, N., de Belleval, J.F. Phase information in ultrasonic spectroscopy 4—50864
Mercier, R. *see* Chavel, P. 4—43445
Merck, E. *see* Thiel, K. 4—36673
Mercurio, J. *see* Saari, R.A. 4—50134
Mercy, B.R. Systolic array technique applied to symmetric FIR filters 4—58465
Mercy, J.M., Bousquet, C., Robert, J.L., Raymond, A., Gregoris, G., Beerens, J., Portal, J.C., Frijlink, P.M., Delescluse, P., Chevrier, J., Linh, N.T. Hydrostatic pressure control of the carrier density in GaAs/GaAlAs heterostructures: role of the metastable deep levels 4—51843
Merdinian, G.K. *see* Legarra, J.R. 4—36221
Mered, C. *see* Courjon, D. 4—43400
Meredith, B.D., LaBaugh, R.J., Aanstoos, J.V. Technical evaluation of the Information Adaptive System 4—53806
Meredith, B.D. *see* Aanstoos, J.V. 4—53935
Meredith, H., Carlisle, S., Mealey, D., Readman, P. Electronic systems hardware development: DIY approach 4—40731
Meredov, M.M., Slobodchikov, S.V., Smirnov, V.G., Filaretova, G.M. Longitudinal photoelectric effect in Au/*n*-InP Schottky diodes with an intermediate layer 4—30429
Merenkov, V.N., Murdzhikneli, G.G., Nikolaev, G.O., Oranskii, S.V., Shostatskii, N.N. Reducing the TV program bit stream to 34 Mbit/sec 4—48579
Meres, N. *see* Farrant, M. 4—54786
Mergaert, J. *see* Bertl, W. 4—33757
Meriakri, V.V. *see* Vershinina, L.N. 4—46608
Merialdo, B. *see* Derouault, A.-M. 4—53542
Merickel, M.B., Lundgren, J.C., Shen, S.S. A spatial processing algorithm, to reduce the effects of mixed pixels and increase the separability between classes 4—61994
Merigoux, H., Darces, J.F., Zecchini, P., Lamboley, J. Non destructive observation of random electrical twinning in cultured quartz 4—35564
Merill, H.M. *see* Geraghty, D. 4—56510
Merimson, S.R. *see* Romanova, T.M. 4—56818
Merk, R. *see* Warner, C. 4—32114
Merkel, G. About the influence of microelectronics on the technique of information processing 4—52215
Merkel, G. *see* Bushell, M. 4—31691
Merker, E.A. *see* Lyudmirkii, E.A. 4—33716
Merker, M., Schmid, A., Spratt, J., Strobel, D. Radiation hardened package for integrated electronics 4—36796
Merker, O. ZX 81 a la carte. II. Second growth for the output port 4—58245
Merkle, C.L. *see* Gulati, A. 4—33954
Merkle, F., Lorch, T. Hybrid optical-digital pattern recognition 4—38028
Merkle, K. *see* Vainberg, M.Sh. 4—56174
Merkt, U. *see* Hansen, W. 4—51783
Merkulova, S.P. *see* Levchenko, I.S. 4—37050
Merkur'ev, V.G. *see* Tsitsikyan, G.N. 4—45050
Merle, P. *see* Attal, J. 4—34002
Merletti, R., Biey, D., Biey, M., Prato, G., Orusa, A. A monitor of surface EMG median frequency 4—44762
Mermelstein, P. *see* Berouti, M. 4—53518
Mermelstein, P. *see* Gupta, V.N. 4—53508
Mero, T.N., Appell, G.F., Porter, D.L. Sea-truth experiments on acoustic Doppler current profiling systems 4—61946
Meron, G. *see* Mozes, E. 4—49773
Meron, M. *see* Hershcovitch, A.I. 4—61612
Meron, P., Marom, E. Mode splitting at splices of graded-index fibers 4—37145
Merport, E.I. *see* Arias-Al'vares, Kh. 4—39810
Merrell, J.E., Hoeft, L.O., Hofstra, J.S. Measured transfer impedance of metallic and non-metallic conduits covered with tinned copper and SnCuFe braids 4—59784
Merrett, A.J. *see* Warnock, J.G. 4—34127
Merrett, D.J. Progress with the AGR system 4—56779
Merrett, R.P. Methods and limitations of assessing the hermeticity of semiconductor component encapsulations 4—52040
Merriam, R.L., Swanson, J.L., Balasubramaniam, T.A, Burke, J.C., Rancatore, R.J., Purcell, G.G. Development and validation of a residential water heater simulation model 4—40624
Merrick, D. *see* Davidson, B.J. 4—34441
Merrigan, M.A., Lundberg, L.B. An initial evaluation of molybdenum-rhenium alloy for reactor heat pipes 4—39652
Merrill, A.C.G. Evolution of high voltage measurements in the BCS laboratories at AERE 4—33400
Merrill, H.M., Schweppe, F.C. Strategic planning for electric utilities: problems and analytic methods 4—45033
Merrill, M.D. A computer system for collecting and processing data from a multiwavelength lidar system 4—38688
Merrill, W. Repairing scientific gas lasers 4—42519
Merriman, F.C. *see* McCoy, D.F. 4—40035
Merritt, F.R. *see* Henry, G.H. 4—36267
Merritt, J.O. Visual tasks requiring 3-D stereoscopic displays 4—61251
Merritt, S.W., Montress, G.K., Crudkowski, T.W. GaAs SAW/MESFET programmable asynchronous correlator with complex tap weighting 4—52416
Merritt, S.Y., Clark, C.V. Application of lightning and surge protection to well line feeders 4—50269
Merry, P., Heeler, A. A communications strategy in manufacturing 4—54319
Mersch, H. Commissioning experience with the new process control generation Procontrol P 4—40046
Mersereau, R.M. *see* Bevington, J.E. 4—60243
Mersereau, R.M. *see* Katsaggelos, A.K. 4—60169, 4—60250
Mersereau, R.M. *see* Margos, P.A. 4—60231
Mertens, R. *see* De Pauw, P. 4—46802, 4—51749
Mertens, R.P. *see* Cheek, G.C. 4—45636
Mertz, J.L., Girard, J., Gerard, M.J. GEODE—an electrical energy supply with high availability 4—56528
Mertz, L. Phase estimation with few photons 4—43399
Mertz, L. Phase unwrapping in two contexts 4—43434
Mertz, L.O. *see* Bittner, H.F. 4—40400
Merwe, J.H.van der *see* van der Merwe, J.H.
Merwe, W.G.van der *see* van der Merwe, W.G.
Merz, C.J., Oehrlein, G.S., Reisman, A. High-pressure oxidized tantalum pentoxide films on silicon with improved leakage 4—46876
Merz, C.J. *see* Reisman, A. 4—41998, 4—52127
Merz, E., Oberndorfer, K. SIMATIC S5 mini programmable controllers of the R range 4—57280
Merz, J.L. Integrated optoelectronic devices for high-speed IC interconnects 4—54744
Merz, J.L. *see* Mizuta, M. 4—41956
Merz, J.L. *see* Sheng, N.H. 4—41936, 4—41937
Mes, H. *see* Bryman, D. 4—33632
Mesch, H.G. *see* Patterson, R.E. 4—40467
Mese, E.Dalle *see* Dalle Mese, E.
Mesecher, D.K., Somin, M.E. Adaptive cancellation in the presence of spatial multipath 4—31791
Meservey, R. *see* Moodera, J.S. 4—33441
Meshach, M. Data-flow IC makes short work of tough processing chores 4—41372
Meshach, W. *see* Jordan, V. 4—53780
Meshchenina, M.P., Pashkevich, V.I., Fetisov, V.V. Appraisal of DC machine armature winding damping properties during commutation 4—45453
Meshcheryak, S.N. *see* Pentegov, I.V. 4—35069
Meshenberg, M.J. *see* Ross, D.P. 4—39981
Meshkov, A.M. *see* Vinnikov, A.Ya. 4—36244
Meshkov, A.N. Family of optimum charge waves for a shaping line in a video-pulse generator 4—29713
Meshkov, A.N., Shishko, V.I. The method of charge-wave interference in a pulse generator with a shaping line 4—51042
Meshkovskii, I.K. *see* Altshuler, G.B. 4—42323
Meshkovskii, I.K. *see* Grekhov, I.V. 4—39184
Mesic, M. *see* Hebel, Z. 4—62577
Meskell, D.J., Jr. *see* Buckler, M.J. 4—32833
Mesko, B. The analysis of stresses in the cross-section of a turbogenerator rotor 4—56939
Meslage, J., Pichard, G., Fragnon, M., Royer, M., Nguyen Duy, M., Boisrobert, C., Morvan, D. CdHgTe (1.3 μm-1.55 μm) avalanche photodiode 4—52786
Mesmaeker, A.Kirsch-De *see* Kirsch-De Mesmaeker, A.
Mesmaeker, I.De *see* De Mesmaeker, I.
Mesquita, A. On the iterative solution of Volterra functional equations 4—35604
Messal, R. Electronic protection circuits for loudspeakers 4—61117
Messenger, L.W. Development status of a 350 HP AC propulsion system 4—40562
Messer, H., Bar-Ness, Y. A new closed-loop FM discriminator based on voltage controlled SAW delay line 4—35702
Messering, H., Hesse, J. Ring cable for grid stations up to 24 kV with consistent capsulation and insulation 4—62190
Messerschmid, U. Videotext in the Federal German Republic—position and outlook 4—43709

Messerschmidt, W. Class D 145.2000 Bo'Bo' diesel locomotives with AC power transmission for Italian State Railways 4—40558
Messerschmitt, D.G. A tool for structured functional simulation [communications language] 4—37790
Messerschmitt, D.G. A transmission line modeling program written in C 4—37791
Messerschmitt, D.G. Echo cancellation in speech and data transmission 4—54457
Messerschmitt, D.G. *see* Haoui, A. 4—53525
Messerschmitt, D.G. *see* Honig, M.L. 4—47836
Messick, L., Lile, D.L., Taylor, M.J., Zeisse, C.R., Collins, D.A. Radiation tolerant direct-coupled MISFET logic on InP 4—35763
Messick, L.J. Low-power high-speed InP MISFET direct-coupled FET logic 4—46425
Messick, L.J. *see* Lile, D.L. 4—30769
Messier, R. *see* Ross, R.C. 4—50818
Messina, F.D. Fluorescence detection of thin film electrical contact lubricants 4—41627
Messina, G. Management architectures for local area networks 4—54410
Messina, G. *see* Faro, A. 4—38332
Messina, G.P. *see* Cachon, R.P. 4—30488, 4—55319
Messinger, P.N. Cable feeder 4—51574
Messner, G. Trends in packaging and their impact on circuit board designs 4—41686
Mestnik Filho, J., Vinhas, L.A., Fulfaro, R. An alternative method of determining the chopper transmission function 4—56037
Mesyats, G.A. *see* Koval', N.N. 4—39404
Meszaros, P.S. *see* McGaffey, R.W. 4—61655
Meszaros, S., Vad, K., Tichy, R., Petricek, V. Measurement of noise in two RF squid systems 4—52492
Metcalf, J.I. Interpretation of simulated polarization diversity radar spectral functions 4—49458
Metcalf, R. Battery back-up supply for RAM 4—29644
Metcalfe, R. An Ethernet connection for a desktop computer 4—32367
Metelitsa, Ya.V., Pavlikov, S.A., Chechushkov, G.A. Relay protection for the mains transformer and low-voltage supply 4—56685
Meth, M.M., Greene, K. The operational readiness: the reliability and maintainability connection 4—46035
Metikos-Hukovic, M., Zevnik, C. Monitoring atmospheric corrosion with electrochemical methods in laboratory environment 4—35523
Metivier, M., Priouret, P. Applications of a Kushner and Clark lemma to general classes of stochastic algorithms 4—43008
Metois, J.J. *see* Le Lay, G. 4—41897
Metselaar, R. *see* Wolff, L.R. 4—40496
Metskenina, M.P., Pashkevich, V.I., Latisheva, V.A., Fetisov, V.V. A method to estimate the damping properties of the armature winding in the final phase of DC machine commutation 4—57070
Mette, W. *see* von Bally, G. 4—47516
Metwally, A.D., Mahmoud, S.F. Transient response of a dissipative earth by use of image theory 4—37518
Metwally, A.D., Mahmoud, S.F. Mutual coupling between loops on layered earth using images 4—53270
Metwally, S.M., Boghdady, W. Contribution to studies on optimizing overflow routing telephone networks 4—43661
Metz, M., Sellami, F., Bordry, F. Analogue simulation of semiconductor switching systems—specialised interfaces 4—30065
Metz, M. *see* Bordry, F. 4—29602
Metz, S.V. *see* Edman, T.R. 4—43290
Metz, W.A., Mahan, J.E., Malhotra, V., Martin, T.L. Electrical properties of selectively deposited tungsten thin films 4—46968
Metze, G.M. *see* Choi, H.K. 4—47131
Metzenauer, D. Low-voltage switchgear, switching installations, industrial controls—products with a future 4—57263
Metzendorf, H. Integrated communication systems in the office 4—43579
Metzgen, H. Progress, pitfalls and opportunities [teletext] 4—48135
Metzger, G. *see* Beck, S. 4—30533
Metzger, K., Valentin, R. Effects of multipath fading on different digital modulation schemes 4—31827
Metzger, K. *see* Landstorfer, F. 4—37742
Metzger, M., Zhang, Z., Schmiedt, B., Ryssel, H. Implantation doping of germanium with Be, Mg, Zn, and B ions 4—36456
Metzger, R.A. *see* Streit, D. 4—50759
Metzger, S. *see* Charyk, J.V. 4—54689
Metzl, R. *see* Jastrzebski, L. 4—30792
Metzner, F. *see* Fahl, H.-J. 4—57462
Metzner, H., Roseburg, D. The magnetic hysteresis losses of geometrically reduced model arrangements 4—53151
Metzner, J.J. Message scheduling for efficient data communication under varying channel conditions 4—32635
Metzner, J.J. An improved broadcast retransmission protocol 4—53964
Metzner, J.J. A two-power-level method for multiple access frequency-hopped spread-spectrum communication 4—53973
Metzner, J.J., Chang, D. Efficient selective repeat ARQ strategies for very noisy channels 4—32500
Meucci, M., Tonelli, M., Baldacchini, G., Grassano, U.M., Scacco, A., Somma, F. Improvement of the optical pumping in the $F_A(II)$ colour centre laser 4—59485
Meuhlhoff, H.-M. *see* Coon, D.D. 4—61373
Meulders, J.P. *see* Richard, F. 4—39601
Meulen, E.C.van der *see* van der Meulen, E.C.
Meulen, V.ter *see* ter Meulen, V.
Meulenberg, A., Arndt, R.A., Tyler, J.U. Structurally stable, thin silicon solar cells 4—45656
Meuneir, P.-L., Hartemann, P. Stressed SAW mono or dual oscillator stability 4—59113
Meunier, G., Sabonnadiere, J.C., Coulomb, J.L., Belbel, E. Magnetic field computation for electric arc modelling 4—34795
Meunier, J.P., Pigeon, J., Massot, J.N. An efficient method for calculating cutoff frequencies in optical fibers with arbitrary index profiles 4—42365
Meunier, J.P., Pigeon, J., Massot, J.N. LP_{11} mode cutoff: a simplified numerical approach 4—47274
Meunier, P.-L. *see* Hartemann, P. 4—59118
Meusel, S. *see* Bahde, C. 4—45696
Mevillot, J.-C. *see* Raeber, V. 4—56262
Mey, G.De *see* De Mey, G.
Meydan, T., Overshott, K.J. Amorphous ribbon transducers 4—44492
Meyer, A. *see* Edwin, K.W. 4—49604
Meyer, A.U. *see* Hsiao, Y.H. 4—49211
Meyer, B.S. Foolproof combination lock 4—30046
Meyer, C., Meyer, R., Tufaner, R.L., Wassink, D. Base access area communications test needs 4—32222
Meyer, C.H. *see* Jueneman, R.R. 4—37857
Meyer, C.H. *see* Lennon, R.E. 4—43785
Meyer, C.R. *see* Schmitt, R.M. 4—56368
Meyer, D.G. Computer simulation of loudspeaker directivity 4—48646
Meyer, E.-P. Impedances per unit length of finite conductors with earth return 4—46633
Meyer, F.J., Lee, K.Y. Dynamic power system load modeling by parameter estimation 4—56438
Meyer, G. *see* Guillouard, G. 4—34988
Meyer, G. *see* Mann, E. 4—43695
Meyer, G.G.L. Synthesis of optimization algorithms by concatenating deterministic and autonomous algorithm components 4—46166
Meyer, G.H. Free boundary problems with nonlinear source terms 4—41012
Meyer, H. Service experience as a basis for evaluation of insulating materials and insulation systems 4—36947
Meyer, H., Wichmann, A. Experience and practice with standardized acceptance test procedures for winding of rotating machinery 4—36945
Meyer, H.-G. *see* Roatsch, T. 4—37068
Meyer, H.-J. The international state of the art in nondestructive inspection of welds with special emphasis on flaw characterization 4—46274
Meyer, J. Time correction of anti-aliasing filters used in digital audio systems 4—33062
Meyer, J. Broadband amplifier aids test equipment 4—58518
Meyer, J.D. *see* Rocca, J.J. 4—51696, 4—52892
Meyer, K.De *see* De Meyer, K.
Meyer, N. Fibre modules with heating conductor supports for electric furnaces 4—57553
Meyer, O. *see* Turos, A. 4—51798
Meyer, P. *see* Adam, M. 4—33553
Meyer, P. *see* Dwyer, R. 4—61677
Meyer, P. *see* Weathersby, P.K. 4—33809
Meyer, PC, Gunes, D. Design and fabrication of SAW multipole filters 4—52396
Meyer, P.W. The modified Newton's method in generalized Banach-spaces 4—35428
Meyer, R. *see* Meyer, C. 4—32222
Meyer, R.B. *see* Thurston, R.N. 4—47305
Meyer, R.E., Ezekiel, S. High-finesse fiber ring resonator for rotation sensing 4—52624
Meyer, R.G. *see* Santos, J.T. 4—42203
Meyer, S.S. *see* Downey, P.M. 4—33300
Meyer, T. Computer network promotes education and physics R&D 4—32394
Meyer, T.H. *see* Rackson, M.M. 4—54854
Meyer, T.O. *see* Burkman, J.L. 4—41193
Meyer, W., Getty, C. Development of a nonresidential degree option in nuclear technology for reactor operations personnel by the New York State Board of Regents 4—62334
Meyer, W. *see* Kantz, D. 4—51244
Meyer, W. *see* Peck, M. 4—31085
Meyer, Y.H. *see* Nguy Huu Tam 4—31417
Meyer-Ebrecht, D. *see* Heck, B. 4—55436
Meyerhofer, D., White, L.K. Image formation in the sublayer of a multilayer resist structure 4—58828
Meyerhoff, N.J., Koziol, J.S., Jr. Reliability of fare collection hardware in subways 4—46021
Meyers, D.C. *see* Kwong, D.L. 4—52123
Meyers, J.A. Thin films on polyacrylonitrile 4—29511
Meyers, P.V. *see* So, S.M. 4—45652
Meyers, R.F., Rossi, F.R., Straehle, W. Performance partitioned DRAM-P²RAM 4—58326
Meyers, S. *see* Dorler, J.A. 4—40871
Meyers, T.J. International information networks 4—47953
Meyerson, B.A. *see* Scott, B.A. 4—46242
Meyerson, B.S. *see* Green, D.C. 4—34880, 4—50814
Meyerson, B.S. *see* Kuech, T.F. 4—41945
Meylan, J. *see* Yousif, A.M. 4—38781, 4—44209
Meyr, H., Keller, H., Muller, H.R. Synchronization design criteria for a token ring 4—32436
Meyr, H., Spies, G. The structure and performance of estimators for real-time estimation of randomly varying time delay 4—31965
Meyr, H. *see* Bohmann, J. 4—45706, 4—61545
Meyrat, P. The use of satellites for TV transmissions and financing them in Europe 4—54948
Meyrueis, P. Photonic metrology for machine tools 4—44395
Meyrueis, P., Lamy, F., Liegeois, C. A new method for the industrial application of holographic metrology 4—59647
Meyrueis, P. *see* Gueguen, F. 4—61889
Meyrueis, P. *see* Pfieffer, P. 4—60835
Meyrueis, P. *see* Soubari, E.H. 4—60163
Meysenburg, H. Structure of the electricity market and electricity prices—premises for electrical heating 4—49515
Meystre, P. *see* Dorsel, A. 4—53082
Mez, F. Possibility of increasing generator output while keeping existing stator dimensions 4—45350
Meza, P. Advanced generation integrated SLIC 4—54560
Mezdrogina, M.M. *see* Andreev, A.A. 4—51912
Mezentsev, V.P. *see* Dragan, Ya.P. 4—50634
Mezger, L. Control and alarm switches 4—57776
Mezhebovskii, B.E. *see* Asnina, Zh.S. 4—51767
Mezhevich, A.N., Monastyrskiy, M.A., Prokhorov, A.M., Chevokin, V.K., Shchemelev, V.N. Energy characteristics of electrons in X-ray photoeffect in metal cathodes and their relation to temporal characteristics of electron-optic image converters 4—41789
Mezzalama, M. *see* Gai, S. 4—30714
Mezzalama, M. *see* Lioy, A. 4—42150
Mezzalama, M. *see* Olla, F. 4—35849
Mezzalama, M. *see* Somenzi, F. 4—35729
Mezzetti, E.Minetti *see* Minetti Mezzetti, E.
Mhango, L.M.C., Creighton, G.K. Novel two-phase inverter-fed induction-motor drive 4—49884
Mi Jeon Sun *see* Sun Mi Jeon
Mialhe, P., Khoury, A., Charles, J.P. A review of techniques to determine the series resistance of solar cells 4—45659
Mian, G.A. *see* Delmonte, R. 4—53503
Miao, N., Chen, Z.-Z. Application of SVD to 2-D spectral estimation 4—53683
Miao Chen *see* Chen Miao
Miao Hai-ping *see* Zhang Fu-gen 4—59453
Miao Yong-Rui, Pan Xiao-Pei, Song Jin-An, Bian Yu-Jing, Luo Ding-Chang, Zhuang Qi-Xiang Evaluation of the accuracy of LF and TV synchronization techniques in China via portable clock 4—43829
Miaogen Ye *see* Ye Miaogen
Miaohong Liu *see* Liu Miaohong
Miaohung Liu *see* Liu Miaohung
Miaoquan Cai *see* Cai Miaoquan
Mica, G. Intersatellite links: requirements for future missions and limitations from spacecraft resources 4—60814
Micali, Z. *see* Luby, M. 4—32101
Micchelli, C.A. *see* Dahmen, W. 4—50705
Micciancio, S. *see* Barcellona, M. 4—48805
Miccoli, G. *see* De Gasperis, P. 4—31036, 4—42232
Micek, S. *see* Sosin, Z. 4—61690
Miceli, W.J. *see* Stoner, W.W. 4—43420
Michael, D.H., Collins, R. The AC field around a plane crack in a metal surface when the skin depth is large 4—29552
Michael, D.H. *see* Mirshekar-Syahkal, D. 4—58069
Michael, J. Bargraph with high and low alarms 4—41431
Michaeli, A. Equivalent edge currents for arbitrary aspects of observation 4—37561
Michaeli, A., Kaye, M., Geva, A. High-frequency backscatter from a finned cylinder —comparison of UTD results with experiment 4—47646
Michaelides, E.E., Scott, G.J. A binary-flashing geothermal power plant 4—56867
Michaelidis, M., Pollard, R. Analysis of chemical vapor deposition of boron 4—46249
Michaels, R. *see* Hsiao, Y.H. 4—49211
Michaelsen, R. *see* Busse, W. 4—33562
Michaelson, K. A beginner's guide to RTTY 4—54137
Michaelson, L. *see* Hsiao, Y.H. 4—49211
Michaelson, S.M. *see* Lu, S.-T. 4—39616
Michalek, J. Statistical linear spaces. I. Properties of ϵ, η-topology 4—29361
Michalek, J. Statistical linear spaces. II. Strongest t-norm 4—40926

Michalik, W., Nguyen Vu Son Automated testing of electrical machines asynchronous machine testing 4—57025
Michalowicz, A. *see* Ditta, J. 4—39413
Michalowski, S.J. Implementation of an upgraded computer system for a robotic aid for the severely disabled 4—56152
Michalski, A., Lis, R. TRN—a microcomputer communication system for local area computer networks 4—54423
Michalski, K.A., Pearson, L.W. Equivalent circuit synthesis for a loop antenna based on the singularity expansion method 4—47659
Michalski, K.A. *see* Karunaratne, M.D.G. 4—59737
Micheel, G. Changing-over of the feed water distributor at the nuclear power station of Wurgassen 4—49714
Michel, A.N., Nam, B.H., Vittal, V. Computer generated Lyapunov functions for interconnected systems: improved faults with applications to power systems 4—34017
Michel, A.N., Nam, B.H., Vittal, V. Computer generated Lyapunov functions for interconnected systems improved results with applications to power systems 4—49551
Michel, A.N. *see* Vittal, V. 4—44959
Michel, C. *see* Lieder, R.M. 4—39498
Michel, D. *see* Chaleyat-Maurel, M. 4—53668
Michel, D. *see* Saint-Andre, B.V. 4—31803
Michel, D. *see* Vidal Saint-Andre, B. 4—42997
Michel, G. *see* Robach, C. 4—29802, 4—55186
Michelacci, G. *see* Ceschia, M. 4—46370
Michelfeit, R. *see* Thaler, H.-J. 4—32666
Micheli, G.De *see* De Micheli, G.
Micheli, M.De *see* De Micheli, M.
Michell, J.A. *see* Buron, A. 4—52303
Michell, J.A. *see* Solana, J.M. 4—51159
Michels, F.B. *see* Haley, R. 4—35297
Micheron, F. Ferroelectric polymers and applications 4—30845
Michikami, O. *see* Kato, Y. 4—42292
Michler, E. The reliable double-way switch with PIN diodes [for satellite communication] 4—32734
Michna, J. Application of microprocessors in control devices of electronic switching systems 4—43882
Michnal, J., Farell, J.J. Single-chip computer designed for control applications 4—29894
Michnikowski, P., Witkowski, H., Szymczak, A. A stroboscopic tube triggering system for testing the angle of IC-engine contact breaker points 4—50173
Michos, A., Bergeles, G., Athanassiadis, N. Aerodynamic characteristics of NACA 0012 airfoil in relation to wind generators 4—45375
Michov, G. *see* Levkov, C. 4—44759
Mickal, H., Ritter, H. Photovoltaic power supply for the Greek island of Kythnos 4—40163
Mickanin, W., Mohr, C. LWT resistor design and circuit considerations for precision components 4—36159
Micke, U., Trines, D., Wallraff, W. π/e discrimination with a lead liquid argon calorimeter 4—39434
Mickel, L. *see* Kaaden, P. 4—51582
Mickel, L.S. Estimating true demand using multiple source data 4—46040
Mickelsen, R.A., Chen, W.S., Hsiao, Y.R., Lowe, V.E. Polycrystalline thin-film $CuInSe_2/CdZnS$ solar cells 4—45628
Mickelson, A.R., Eriksrud, M., Aamlid, S., Ryen, N. Role of the fusion splice in the concatenation problem 4—42362
Mickelson, A.R. *see* Eriksrud, M. 4—42363
Mickevicius, R., Pozela, J., Reklaitis, A. Theoretical investigation of impact-ionized plasma instability in GaAs 4—36282
Micolon, P. *see* Chase, R.L. 4—39426
Microshnichenko, A.G. *see* Dan'ko, V.G. 4—45395
Middelhoek, S. *see* Yi-Zi Xing 4—55414
Middendorf, E., Schaefer, H.-H. The use of PCB by German Federal Railways 4—42195
Middlehoek, J. *see* Oosterhoff, S. 4—36454
Middlehoek, S. *see* Kordic, S. 4—39165
Middlekoop, G.van *see* van Middlekoop, G.
Middleton, B. *see* Lancaster, P. 4—49386
Middleton, B.K., Davies, A.V. Gap effects in head field distributions and the replay process in longitudinal recording 4—42270
Middleton, B.K., Wright, C.D. The perpendicular recording process 4—42249
Middleton, B.K. *see* Loze, M.K. 4—42266
Middleton, B.K. *see* Wright, C.D. 4—42267
Middleton, D. Threshold detection in nonGaussian interference environments: Exposition and interpretation of new results for EMC applications 4—31697
Middleton, G.W.R. *see* Day, D.J. 4—30542
Middleton, P.L. *see* Kubema, R.L. 4—36883
Middleton, P.M. *see* Parish, A.R. 4—50476
Middleton, R. A versatile high intensity negative ion source 4—33619
Midgley, D., Wallis, R.L. Huygens' principle in skin-effect computations 4—37530
Midorikawa, K., Obara, M., Fujioka, T. X-ray preionization of rare-gas-halide lasers 4—37298
Midorikawa, K. *see* Hokazono, H. 4—52900
Midorikawa, M., Sekiguchi, H. Switching system for 6/4 GHz band small capacity omniuse terminal satellite system 4—38527
Midwinter, J.E. Introduction to monomode fibre transmission systems 4—31160
Midwinter, J.E. Optical fiber communications: present and future. I 4—60876
Midwinter, J.E. *see* Stanley, I.W. 4—32828
Miedaner, H. Interference suppression for LED drive conductors 4—33383
Miehe, J.A. *see* Geist, P. 4—53129
Miehling, B. Reduction of energy consumption and power factor improvement 4—44955
Mielke, B. *see* Just, D. 4—29875
Mielke, J. The transmission of additional information in VHF sound broadcasting 4—44208
Mielke, N. *see* Baker, A. 4—35796
Mielke, W. Satellite receiver stations for the European satellite ECS 1 4—54686
Mielke, W. Low noise converter for satellite receivers 4—54709
Mien, H.Dang Van *see* Dang Van Mien, H.
Mien-Win Wu, Ping-Shen Song, Kang-Nien Tung A mixed-powder technique for the measurements of fast neutron energies and fluxes 4—33618
Mier, E.E. The ABCs of FEC [forward error correction in modems] 4—43089
Mier, E.E. A big bonanza in little switches [digital PBXs] 4—48333
Mier, E.E., Bush, J. Rating the long-distance carriers 4—60382
Mier, M. *see* Romano, R. 4—39824
Mieren Loovenstijn, J.H.van *see* van Mieren Loovenstijn, J.H.
Mierin', M.A., Novgorodtsev, A.B. Conditions for optimum transfer of energy from a capacitive energy store into a resistive load fed via a transformer 4—45675
Mierlo, G.W.M.van *see* van Mierlo, G.W.M.
Miersch, E.F. *see* Haug, W. 4—29793
Mierzejewski, H. *see* Tadeusiak, A. 4—31095
Mierzejewski, Z. Systems of video cassette recorders 4—61086
Mierzwa, J. *see* Izydorczyk, J. 4—48278
Miesch, F.D. *see* Launikitis, J.A. 4—29257
Miessler, M.H. *see* Jackson, P.H. 4—48803
Mif, N.P. Necessary accuracy is estimating the errors of engineering measurements 4—55141
Mifkovic, P. A/D convertors with an integrating amplifier and a microprocessor system 4—29954
Mifsud, V.J. *see* Day, D.J. 4—30542
Miglio, R. *see* Loggini, M. 4—62611
Mignani, A.G. *see* Brenci, M. 4—49296
Migneco, E. Progress report on the Laboratorio Nazionale del Sud (LNS) at Catania 4—33560
Migneco, E. *see* Calabretta, L. 4—33596
Migolinets, I.M. *see* Firtsak, Yu.Yu. 4—59297
Migolinets, I.M. *see* Kacher, I.E. 4—52759
Miguchi, Y. *see* Yoshida, H. 4—56532
Miguel, B. An amplifier for digital alarm clocks 4—29685
Miguel, B. An automatic audio processor 4—54119
Miguel, B. A converter for exceptionally long waves 4—54627
Miguel, B. A selective calling device for CB operation 4—54628
Miguel, J. *see* Bertran, E. 4—34680
Miguel, M., Delle Site, A., Deron, S., Raab, W., Swietly, H. Preparation of drop deposited plutonium sources on porcelain support; results and limitations of alpha spectrometric analyses 4—56007
Migunov, L.V. *see* Krylov, V.V. 4—31078
Mihaileanu, C. Romanian achievements in fighting the consequences of voltage dips on electric power consumer supply 4—62177
Mihaileanu, C. *see* Ijac, G. 4—40224
Mihaileanu, C. *see* Ijac, Gh. 4—40223
Mihaileanu, C. *see* Ijae, G. 4—40527
Mihailov, N.I., Batov, I.P., Djingov, H.G. Generator of high-voltage impulses for solid laser 4—47490
Mihailovic, P. Process of safety calculation of electronic equipment with fail-safe components 4—29195
Mihajlovic, M. Methods to detect object contours in picture 4—43464
Mihajlovic, R.A., Schlumberger, W.S. On local robustness of some statistical signal detection procedures 4—47876
Mihaly, O. The VVER-1000 type nuclear power plant's description 4—62282
Mihara, M. *see* Naritsuka, S. 4—30322
Mihara, S. *see* Murao, Y. 4—36876
Mihkla, M. *see* Allik, J. 4—47800
Miholoc, V. *see* Parapatic, K. 4—56941
Miike, H., Aashiba, Y., Hashimoto, H., Ebina, Y. Study of the electrical impedance as an in situ sensor for the ethanol fermentation in Saccharomyces cerevisiae 4—44485
Mijat, N., Moschytz, G.S. Multiple-critical-pole coupled active filters 4—51422
Mijnarends, H. Power electronics in drive technology. A survey in a nutshell 4—40522
Mikadze, I.S. *see* Kakubava, R.V. 4—60281
Mikah, Z. Noise suppression by means of simple digital filters 4—48504
Mikalsen, D.J. *see* Harper, J.M.E. 4—33493
Mikami, M., Hokari, Y., Egami, K., Tsuya, H., Kanamori, M. Formation of Si epi./$MgO.Al_2O_3$ epi./SiO_2/Si and its epitaxial film quality 4—41068
Mikami, M. *see* Hokari, Y. 4—36629
Mikami, O. *see* Hirata, K. 4—36470
Mikami, O. *see* Uwai, K. 4—29477
Mikami, T., Abe, F., Matsuda, T. Ultrahigh resolution UV laser scanning system [for PWBs] 4—58621
Mikami, W. *see* Yamada, H. 4—40248
Mikamo, S. *see* Hayashide, Y. 4—33681
Mikata, Y. *see* Inoue, T. 4—50793
Mikawa, H. *see* Nawa, M. 4—57322
Mikawa, H. *see* Toyota, S. 4—57327
Mikawa, H. *see* Yokoyama, M. 4—53165
Mikawa, T., Kagawa, S., Kaneda, T. Germanium reachthrough avalanche photodiodes for optical communication systems at 1.55 μm wavelength region 4—47351
Mikawa, T., Kagawa, S., Kaneda, T. InP/InGaAs PIN photodiodes in the 1 μm wavelength region 4—60858
Mikawa, T. *see* Osaka, F. 4—52764
Mikawa, T. *see* Yasuda, K. 4—37215
Mikazuki, T., Koshimoto, Y. Nonlinear magnetic heads reproduction 4—37029
Mikell, D.C. *see* Perkins, M.D. 4—62132, 4—62133
Mikesell, J.L. *see* Evans, L.G. 4—33961
Mikhael, W.B. Sequence discriminator circuits and their use in frequency division multiplex-communication systems 4—38131
Mikhael, W.B., Nessim, S.M. High frequency active generalized immitance converters and their applications in filtering 4—35962
Mikhael, W.B., Tu, S. Continuous and switched-capacitor multiphase oscillators 4—41234
Mikhael, W.B., Wu, F., Kang, G., Fransen, L. Optimum adaptive algorithms with applications to noise cancellation 4—43328
Mikhailenko, Yu.M. *see* Maresh, R.M. 4—59583
Mikhailov, A.V. *see* Aksenov, E.T. 4—32880
Mikhailov, I.G. *see* Shidlovs'kii, A.K. 4—50034
Mikhailov, N.M. *see* Vtyurin, Yu.N. 4—40680
Mikhailov, V.E. Drift in the direction of the main maximum in a self-focusing antenna, transmitting data on phase distributions measured in the receiving regime 4—42981
Mikhailov, V.E. *see* Dudnik, M.Z. 4—34671
Mikhailov, V.G., Rezvov, V.A., Yudin, L.I. Nanosecond pulse generator 4—46384
Mikhailov, V.N. *see* Borisov, V.V. 4—55546
Mikhailov, V.S., Shemetov, I.S. Nonlinearity noise parameters of switching diode configurations 4—42030
Mikhailov, V.S., Shemetov, I.S. Susceptibility to noise of active elements of wideband radio channels 4—43945
Mikhailov, V.V., Shumskii, A.L., Tkachenko, G.I. Differential-phase protection with magneto-dielectric converters for autonomous power plants 4—56662
Mikhailov-Teplov, N.N. *see* Gershberg, A.E. 4—48594
Mikhailova, E.N. *see* Dennert, N.N. 4—55727
Mikhailutsa, E.V. *see* Baranov, O.B. 4—48989
Mikhal'chenko, V.G. *see* Novikov, S.I. 4—49787
Mikhalev, A.V. *see* Koshilev, N.A. 4—42775
Mikhalev, Yu.N. *see* Drozdov, Yu.N. 4—37194
Mikhalevskii, V.S. *see* Lerer, A.M. 4—47652
Mikhalevskiy, V.S., Reyzenkund, Ya.A. Estimates and integral representations of the elements of wave matrices of inhomogeneous lines 4—31715
Mikharskii, S.N. *see* Pashchenko, V.P. 4—29543
Mikheenko, L.A. Measurement of threshold current of photoelectric circuit during deep cooling 4—52796
Mikheev, I.A. *see* Koba, A.P. 4—46338
Mikheev, L.D. *see* Zuev, V.S. 4—31327
Mikheyev, V.V. *see* Aleksandrov, A.F. 4—30259
Mikhina, G.F. *see* Logvinenko, S.P. 4—61325
Miki, I., Nishiyama, S. Starting characteristics of induction motor drive system with an elastic shaft 4—45688
Miki, K., Yoshida, N. Determination of impurity distribution in p-type Si epitaxial layers by *C-V* analysis of Sm in p-type Si Schottky diodes 4—46860
Miki, N. *see* Miyanaga, Y. 4—51452, 4—59955
Miki, N. *see* Suzuki, M. 4—41491, 4—41504, 4—46585
Miki, N. *see* Watanabe, H. 4—29332
Miki, S., Matsuo, N., Kaneku, S., Yasumoto, M. On an identification of statistics and point spread function of motion blurred images 4—53914
Miki, S. *see* Yamada, T. 4—32616
Miki, T. *see* Hashimoto, K. 4—44121
Miki, T. *see* Hata, M. 4—43995
Miki, T. *see* Kano, S. 4—32208
Miki, Y. *see* Uchimura, K. 4—54989
Mikitchenko, A.Ya. *see* Baskin, L.B. 4—40256
Mikityuk, S.I., Lomilkin, A.P. Method of determining the inter-test interval of measuring equipment used at electricity generating stations 4—39102

Mikityuk, V.I., Starik, P.M. Single crystals of the solid solution $(PbTe)_{1-x}(SnSe)_x$ 4—36294
Mikkelsen, C.D., Roys, G.P. Application of the Saderholm erosive burning model to nozzleless solid propellant rocket motors 4—33924
Mikkelsen, D.R. *see* Grisham, L.R. 4—61619
Mikolajuk, K. *see* Kropacz, W. 4—46320
Mikoshiba, N. *see* Morita, S. 4—37073
Mikoshiba, N. *see* Suemune, I. 4—53017
Mikoshiba, N. *see* Tsubouchi, K. 4—59119
Miksiewicz, R. *see* Kluszczynski, K. 4—49887
Mikucku, W. Polymer design for electronics 4—58063
Mikulic, D. *see* Sirotic, Z. 4—56938
Mikulovich, V.I., Skrigan, N.N. Energy spectrum of signals at the output of a channel with random delay 4—37934
Mikulyak, R.M. *see* Van der Ziel, J.P. 4—37369
Mikuni, A. *see* Kimura, T. 4—36367
Mikuni, I. *see* Hayamizu, S. 4—43228
Mikuni, I. *see* Itahashi, S. 4—43213
Mikuni, Y. *see* Ohmaru, K. 4—60763
Mikutskii, A.S. *see* Antonov, Yu.F. 4—62614
Milam, D. *see* Rainer, F. 4—37435
Milan, J.M. Aircraft signal processing using high resolution radar data 4—56253
Milani, E. *see* Jones, F. 4—51201
Milani, E. *see* Rosini, P. 4—58314
Milano, R.A. *see* Kim, M.E. 4—31176, 4—52691, 4—58975
Milanovich, F.P., Hirschfeld, T. Remote fiber fluorimetry: using optics for on-stream analysis 4—39083
Milanovich, F.P., Hirschfeld, T. Process, product, and waste stream monitoring with fiber optics 4—55284
Milberg, J. *see* Perez Ferreira, E. 4—33564
Milbourn, A.J. *see* Senensieb, G.A. 4—53519
Milburn, R.E. *see* Herriford, D.L. 4—30211
Milczarek, R.J. *see* Binkerd, M.S. 4—32257
Milde, W., Klarowski, H.J. Application of the VZ/V-12/24 low-channel system family 4—32488
Mildrum, H.F. *see* Leupold, H.A. 4—30957
Mildrum, H.F. *see* Strnat, K.J. 4—30958
Milenin, N.K. *see* Bushanskii, P. 4—61046
Milenin, N.K. *see* Kurkov, I.N. 4—44245
Miler, M., Janta, J. Continuous exposure holographic interferometry of ramp transition between two stationary states 4—31520
Miles, A.R. *see* Lequesne, B. 4—57396
Miles, G.A. *see* Lebrun, W. 4—41163
Miles, J.B. *see* Green, W.L. 4—62443
Miles, M.H. *see* McManis, G.E. 4—34819
Miles, R.B. *see* Paddock, C.A. 4—31411
Miles, R.O., Ceruzzi, A., Marrone, M.J. Attaching single-mode polarization-preserving fiber to single-mode semiconductor lasers 4—37090
Miletic, D. Attenuation in monomode optical fibers as a function of curvature 4—48492
Milewski, A., Pawlowski, A., Korneta, A. A method for measuring dielectric properties of liquids in the microwave range 4—61507
Miley, D.J. *see* Neal, J.D. 4—37750
Miley, G.H. Review of nuclear pumped lasers 4—52861
Miley, G.H. Negative ion beam requirements for compact tori 4—61618
Miley, G.H. *see* Elsayed-Ali, H.E. 4—59424
Miley, G.H. *see* Zediker, M. 4—31338
Miley, G.H. *see* Zediker, M.S. 4—31337
Milford, D.J., Willis, P.J. Quad encoded display 4—44440
Miliaras, E.S., Kelleher, P.J., Hub, K.A. Low cost peaking capability built into base load coal fired power plants 4—49758
Milic, L., Kamsek, U. Parallel filter banks analysis 4—46546
Milicevic, A. Substation grounding systems in theory and practice 4—40296
Milich, T.J. *see* Hoffman, H.S., Jr. 4—61459
Milichevich, E.P. *see* Kazanskii, A.G. 4—47332
Milios, E.E. Fast sequential least-squares processing 4—53760
Militzer, K.E. *see* Busch, G. 4—55730
Miljevic, V. Some characteristics of the hollow cathode magnetron discharge 4—46770
Millar, C.A. Simplified optical fibre end-cleave angle measurement device 4—42351
Millar, C.K. *see* Lux, R.L. 4—49224
Millar, G.H., Wismer, R.D. Challenges of managing research, development and engineering 4—57749
Millard, G.H. Parameters affecting intermodulation at multi-frequency VHF broadcasting stations 4—38788
Millard, H.T., Jr. Compton suppression gamma-counting: the effect of count rate 4—61739
Millard, K. Developments on automatic fingerprint recognition 4—38099
Millaway, S. Super FET op. amp 4—41214
Millbank, P. Electricians move training into the video age 4—29150
Millbank, P. Early days yet for optical fibre sensors 4—31104
Mille, T. *see* Marlard, P. 4—29264
Millen, J.K. The interrogator: a tool for cryptographic protocol security 4—53419
Millen, J.K. *see* Fam, B.W. 4—38324
Millenson, D. Integrated CAD/CAM shows promise 4—51617
Miller, A. Car radio latch 4—33214
Miller, A., Lewandowski, J., Carbol, K., Grunwald, B., Badyda, K., Lawecki, E. System of condensate injection into the condenser throat of the 13 UK-125-6 turbine in the Siekierki heat and power plant 4—56825
Miller, A., Manning, R.J., Fox, A.M., Marsh, J.H. Picosecond absorption saturation in GaInAsP 4—47506
Miller, A., Parry, G., Daley, R. Low-power nonlinear Fabry-Perot reflection in CdHgTe at 10 μm 4—53066
Miller, A.A. *see* Galanskiy, V.L. 4—30247
Miller, A.J. *see* Deans, N.D. 4—35345
Miller, A.J. *see* Vreeland, R.W. 4—56161
Miller, B. Microsystem reliability testing 4—35339
Miller, B.D. *see* Nguyen, D.T. 4—35939, 4—41474
Miller, B.I. *see* Cheng, C.L. 4—47031
Miller, B.L. *see* Annestrand, S.A. 4—40519
Miller, B.L. *see* Birmingham, W.P. 4—38723
Miller, C. *see* Kalter, H. 4—30799
Miller, C.C. *see* Naughton, M.D. 4—49690
Miller, C.D. *see* Day, M.N. 4—51210
Miller, C.E., Bergin, M.W. Recorder evaluation pattern for high-speed videography 4—55052
Miller, C.M. Single-mode fiber splicing 4—52646
Miller, D. Performance tester spots functional failures on microprocessor boards 4—44404
Miller, D. The role of videotex in the multimedia company 4—48146
Miller, D. Auto-referencing improves pressure transducer accuracy 4—55742
Miller, D.A. *see* Davari, B. 4—36489
Miller, D.A.B., Chemla, D.S., Damen, T.C., Gossard, A.C., Wiegmann, W., Wood, T.H., Burrus, C.A. Novel hybrid optically bistable switch: the quantum well self-electro-optic effect device 4—53055
Miller, D.A.B., Gossard, A.C., Weigmann, W. Optical bistability due to increasing absorption 4—42706
Miller, D.A.B. *see* Wood, T.H. 4—38655
Miller, D.B. Education and research in a university high voltage laboratory 4—45881
Miller, D.B. Personal management of career transitions 4—50417
Miller, D.D., Polky, J.N. An implementation of the LMS algorithm in the residue number system 4—51434
Miller, D.E. *see* McKee, J.E. 4—51723
Miller, D.E. *see* Robinson, G.A. 4—38724
Miller, D.L. *see* Asbeck, P.M. 4—29822, 4—42147, 4—51386, 4—59017
Miller, D.L. *see* Lee, C.P. 4—29987
Miller, D.L. *see* Lee, S.J. 4—35806
Miller, D.T. *see* Abramovici, M. 4—36709
Miller, D.W., Talnagi, J.W., Arndt, S.A., Behbahani, A. Analysis of random neutron sensor fluctuations for surveillance of nuclear instrumentation channels in nuclear power plant protection systems 4—34283
Miller, D.W. *see* Behbahani, A. 4—34339
Miller, D.W. *see* Butler, P.C. 4—40374
Miller, D.W. *see* Talnagi, J.W. 4—34335
Miller, E. *see* Ehlers, H.K.F. 4—61856
Miller, E. *see* Fuchi, K. 4—40757
Miller, E. *see* Kishimoto, Z. 4—52247
Miller, F.H. *see* Jermaine, S.M. 4—53821
Miller, F.W. Smaller and faster [IBM memory chips] 4—46442
Miller, G. *see* Long, R. 4—49781
Miller, G.H. Evaluation of tapes and wrappers for vacuum pressure impregnation of high voltage form wound coils 4—30863
Miller, G.H. Evaluation of tapes and wrappers for vacuum pressure impregnation of high voltage form wound coils 4—41620
Miller, G.L., Boie, R.A., Sibilia, M.J. Active damping of ultrasonic transducers for robotic applications 4—49489
Miller, I., Prickett, J. A custom data conversion IC for personal computers 4—58407
Miller, I.M. *see* Rogowski, R.S. 4—52877
Miller, J. Europe needs an open market [satellite TV and cable TV] 4—48543
Miller, J.A. *see* Coltrin, M.E. 4—29529
Miller, J.A. *see* Green, W.L. 4—62443
Miller, J.C. Utility selects building block approach for SCADA system [power system computer control] 4—45025
Miller, J.F., Corp, D.O., Hayes, E.R., Hornstra, F., Yao, N.P. Testing and evaluation of advanced lead-acid batteries for utility load leveling applications 4—40414
Miller, J.J.H. *(editor)* NASECODE III. Proceedings of the Third International Conference on the Numerical Analysis of Semiconductor Devices and Integrated Circuits 4—35130
Miller, J.S. *see* Fekete, F. 4—35306
Miller, K.A., Schoen, A. A digital satellite communications system for corporate telecommunications 4—54658
Miller, K.J. *see* Andrews, R.M. 4—33991
Miller, L.E., French, R.H., Lee, J.S. Chernoff bounds on the probability of error for a fast-hopping FH/BFSK system in partial-band noise jamming 4—43955
Miller, L.E. *see* Kim, Y.K. 4—32672
Miller, L.E. *see* Lee, J.S. 4—31839, 4—43956, 4—53372
Miller, L.K. *see* Dolan, R. 4—49695
Miller, L.S., Parsons, C.L., Stanley, H.R. A 36 GHz instrumentation radar with a focused aperture and millimeter-level range resolution 4—54874
Miller, M., Timor, U. Mutual interference of asynchronous frequency hopping communication networks 4—37654
Miller, M. *see* Beck, J. 4—51304
Miller, M. *see* Klove, T. 4—43166, 4—53388
Miller, M. *see* Netzer, M. 4—37676
Miller, M.L., Henriquez, T.A. Application of a porous ceramic to a standard high frequency underwater transducer 4—56365
Miller, M.W. *see* Carstensen, E.L. 4—61752
Miller, N.L. *see* Todd, M.N. 4—39707
Miller, P. *see* D'Aoust, J. 4—42799
Miller, P.C. Mirror filters with minimum delay responses for use in subband coders 4—51462
Miller, P.D. *see* Tajima, Y. 4—36048
Miller, P.H. *see* Bass, J.C. 4—40508
Miller, R. *see* Sedding, H.G. 4—59103
Miller, R.B. *see* Royden, H.N. 4—47621
Miller, R.C., Wade, D.A., Wallis, C. Data General Desktop Generation Model 10: architecture and implementation 4—35858
Miller, R.C. *see* Pinczuk, A. 4—41878
Miller, R.D. *see* Hofer, D.C. 4—29262, 4—46909, 4—58829, 4—58839
Miller, R.D. *see* Lorenz, M.R. 4—31004
Miller, R.E. *see* Rawat, B. 4—43976
Miller, R.K. *see* Ringermacher, H.I. 4—50865
Miller, R.M. *see* Kirkbright, G.F. 4—46266
Miller, S., Nishry, E. A decorrelation criterion for adaptive separation of two signals 4—37773
Miller, S.C. Effect of probe size on electrical noise due to conductivity fluctuations 4—44607
Miller, S.M. *see* Carrier, L.M. 4—44868
Miller, S.W., Harman, J.L. Integrating a computerized data acquisition and process control system into an existing wastewater treatment plant 4—57672
Miller, T. Teleconferencing. III. The link: microwave vs. satellite 4—55075
Miller, T. Teleconferencing. IV. Multipoint 4—55076
Miller, T.J., Geyling, F.T. One-dimensional collapse models for rod and tube preform fabrication 4—52653
Miller, T.J., Smithgall, D.H. Fabrication of trapezoidal-index profile single-mode fiber 4—52634
Miller, T.J. *see* Martin, S.J. 4—30933
Miller, T.J.E. Synchronization of line start permanent magnet AC motors 4—56935
Miller, T.J.E., Neumann, T.W., Richter, E. A permanent magnet excited high efficiency synchronous motor with line start capability 4—56985
Miller, W. *see* Kitson, B. 4—35735
Miller, W. *see* Lin, S. 4—31889
Miller, W. *see* Sid-Ahmed, M.A. 4—33176
Miller, W.A., Olsen, L.C. Current transport in Boeing (Cd,Zn)S/CuInSe$_2$ solar cells 4—45645
Miller, W.C. *see* Bayoumi, M.A. 4—29985
Miller, W.C. *see* Jamali, M.M. 4—60068
Miller, W.C. *see* Jullien, G.A. 4—35980
Miller, W.J. *see* Callan, P.C. 4—61210
Miller, W.M., Paradissis, P.P. A UPS for the complex communications network 4—56536
Miller, W.T. *see* Gerhard, G.C. *(editor)* 4—45833
Millet, C., Demange, J.-P. The COFIDEC and its evolution 4—32568
Millet, J.M. Data acquisition with portable medical apparatus 4—56075
Millhone, J. *see* Ross, D.P. 4—39981
Millichap, A. Test bed gets static supplies [small motor testing] 4—49949
Millie, P. Calculation of intensities of laser transitions in $^{12}C^{16}O_2$ and its isotopic molecules 4—59393
Milligan, R.J. *see* McCargo, M. 4—44817
Milliken, J. *see* Peebles, D.L. 4—37222
Milliken, W.C. *see* Falk, G. 4—32183
Millington, P.F., Floyd, S. A device for area measurement by TV 4—44613
Million, A. *see* Guldner, Y. 4—51855
Millman, J.T., Saia, J.J., Hayse, C.E. A high stability TWTA for ground surveillance applications 4—54885
Millott, L.J. *see* Smith, R. 4—60322
Mills, D.M. Time resolved X-ray diffraction and spectroscopy using synchrotron radiation 4—56052
Mills, D.M., Pollock, V., Lewis, A., Harootunian, A., Huang, J. Electronics and sample cell for the collection of time-resolved X-ray absorption spectra 4—56064
Mills, J.I. *see* Kirol, L.D. 4—57373
Mills, K., Azan, F., Perruche, H., Boireau, P., Lacombe, J. Glass reinforced GaAs beam lead Schottky diode with airbridge for millimetre wavelengths 4—58519

Mills, K.L. Testing OSI protocols: NBS advances the state of the art 4—32340
Mills, L.W. One hospital's clinical engineering service 4—49338
Mills, M.K. Timeless access—faculty development through computer conferencing 4—48266
Mills, M.W. *see* French, E.P. 4—40466
Millward, J.G. *see* Inculet, I.I. 4—57662
Milne, B. Integrating more engineering tools, workstations are linking logic simulators to prototype and production tests 4—46415
Milne, C. Operating by licence [telephony] 4—43630
Milne, D., Ryan, H.M. The evaluation of solid dielectric systems for use in high voltage switchgear 4—62672
Milne, J.A., Anderson, J.S.A. The microelectronics education programme—dissemination and diffusion of microelectronics technology in education 4—50371
Milne, K.T. *see* Williams, M.H. 4—40940
Milne, W.I. *see* Smith, G.J. 4—35508
Milner, M. *see* Mazliah, J. 4—56158
Milner, M. *see* Shein, F. 4—56168
Milner, M. *see* Snell, E. 4—56170
Milon, J. *see* Brie, R. 4—31701
Miloshenko, V.E., Karmazin, V.M. An investigation of superconducting electromagnetic supports 4—59159
Miloslavskii, V.K. *see* Ageev, L.A. 4—59465
Milov, Yu.P. *see* Aleksandrov, A.L. 4—30060
Milovska, S. Survey of measurements of the Hall effect in chalcogenide glasses 4—46826
Milsom, R.F., Curran, J.E., Murray, S.L., Terry-Wood, S., Redwood, M. Effect of mesa-shaping on spurious modes in ZnO/Si bulk-wave composite resonators 4—52433
Milson, R.F. *see* Pollock, W. 4—52400
Milstein, E Measurements of energy stored in conducted EMI 4—37677
Milstein, L.B., Gevargiz, J., Das, P.K. A rapid acquisition technique employing parallel SAW processing 4—37950
Milstein, L.B. *see* Dou, R. 4—43950
Milstein, L.B. *see* Dou, R.-H. 4—53332
Milstein, L.B. *see* Iltis, R.A. 4—32671
Milstein, L.B. *see* Rosenmann, M. 4—38444
Milstein, L.B. *see* Sulnier, G.J. 4—35974
Milster, T.D., Selberg, L.A., Barrett, H.H., Easton, R.L., Rossi, G.R., Arendt, J., Simpson, R.G. A modular scintillation camera for use in nuclear medicine 4—39543
Milthorpe, B.K., Bertram, G.D., Celler, B.G., Farrell, P.C. Education and careers in biomedical engineering 4—61749
Milthorpe, B.K. *see* Bertram, C.D. 4—61772
Milton, A.F. Readout mechanisms for infrared focal plane arrays 4—55236
Milun, S. Soil heat sounding by ball probe: results interpretation and error analysis 4—49444
Milunovic, M. Dimensioning of grounding system of MV/LV substations in MV networks with low-resistance 4—39916
Milutinovic, V. Performance comparison of two suboptimum detection procedures in real environment 4—43343
Milutinovic, V. One approach to microprocessor implementation of 4800 b/s data modem for telephone channels 4—54500
Milverton, D.R.J. *see* Girling, I.R. 4—41072
Mil'vidskii, M.G., Osvenskii, V.B., Shershakova, I.N. Semiinsulating gallium arsenide for microwave electronics 4—58732
Mil'vidskii, M.G. *see* Kagan, M.B. 4—58037
Milykh, V.I. Calculation of electromagnetic field in cross section of electric machine 4—34595
Milykh, V.I *see* Dan'ko, V.G. 4—62546
Milyutin, Ye.R., Chudnov, A.M., Yaremenko, Yu.I. An estimation of effectiveness of adaptive algorithms used in communication links with fading 4—42887
Milz, U. *see* Gurich, G. 4—49888
Mimori, R. Videotex 4—43706
Mims, F.M., III A bright future for fiber optic communications 4—48478
Mimura, H., Hatanaka, Y. Optoelectrical properties of amorphous-crystalline silicon heterojunctions 4—58766
Mimura, T. High electron mobility transistors for VLSI 4—47060
Mimura, T., Nishiuchi, K., Abe, M., Shibatomi, A., Kobayashi, M. High electron mobility transistors for LSI circuits 4—36851
Mimura, T. *see* Abe, M. 4—30817
Mimura, T. *see* Niori, M. 4—41602
Min, L.C., Cheng, T.W. Digital simulation of dynamic systems 4—50363
Min, W.S. *see* Tanbun-Ek, T. 4—31385
Min Byoung Goo *see* Byoung Goo Min
Min Ho Kang *see* Sang Ho Lee 4—47262
Min Liu *see* Liu Min
Min Ouyang *see* Ouyang Min
Min Soo Suk *see* Hwan Il Kang 4—49342
Minaev, E K. *see* Markovskii, Yu.G. 4—34758
Minaev, V.P. *see* Andreyanov, Yu.P. 4—42682
Minaev, V.P. *see* Brazhnikov, A.E. 4—50244
Minagawa, C. *see* Ueoka, Y. 4—51209
Minagawa, S., Nakamura, H., Sano, H. OMVPE of gallium arsenide using an adduct compound 4—58023
Minai, K. *see* Wakino, K. 4—46610
Minakata, M. *see* Yamaguchi, E. 4—41087, 4—51914
Minakuchi, N. *see* Hitotsumachi, S. 4—55064
Minami, H. *see* Tani, M. 4—62298
Minami, M. *see* Kawamura, Y. 4—30872
Minami, N. Phthalocyanine solar cells 4—45626
Minami, T., Nanto, H., Takata, S. Highly conductive and transparent aluminum doped zinc oxide thin films prepared by RF magnetron sputtering 4—46812
Minami, T. *see* Okamoto, N. 4—54169
Minami, T. *see* Yamanishi, M. 4—52823
Minamisono, T. *see* Asahi, K. 4—39417
Minamisono, T. *see* Takai, M. 4—46219
Minano, J.C. The limit of concentration under extended non-homogeneous light sources 4—34919
Minarik, B. Program for the estimation and short-term prediction of tributaries of the cascade on the river Vah 4—49793
Minarsky, E. Noise diagnostics of cermet resistors 4—30123
Minasian, R.A. Computer-aided simulation of power MOSFET switch-mode convertors 4—41186
Minasian, R.A. *see* Scott, J.R. 4—36594
Minasyan, G.R. *see* Avetisyan, S.K. 4—31487
Minato, A. *see* Kitamura, A. 4—32615, 4—60624
Minato, O., Masuhara, T., Sasaki, T., Sakai, Y., Hayashida, T. A 20 ns 64K CMOS SRAM 4—51239
Minato, O. *see* Hanamura, S. 4—30790
Minato, O. *see* Sakai, Y. 4—47138
Minchener, A.J., Stringer, J. The use of electrochemical probes for measuring oxygen partial pressures within a fluidized bed 4—44493
Minchev, G.M. *see* Kop'ev, P.S. 4—55630
Mincheva, N. *see* Khinov, Kh. 4—45530
Minck, J.L. Pulsed microwave signal peak-power measurement improves 4—44600
Minck, J.L. Signal generators 4—61407
Minck, J.L. *see* Cuevas, M. 4—44598
Minck, R.W. *see* Haskins, H.J. 4—40397
Mindermann, B. Factory data acquisition with LAN in industrial applications 4—48222
Mine, H., Ohno, K., Shioyama, T. Delay analysis of packet switching system with a satellite having processing capability 4—53961
Mineev, R.V. *see* Badazhkov, O.A. 4—41202
Mineev, V.I. *see* Belyaevskii, O.A. 4—36236, 4—46782
Minegishi, J. *see* Suzuki, S. 4—30947, 4—30992
Minegishi, K., Nakajima, S., Miura, K., Harada, K., Shibata, T. A submicron CMOS megabit level dynamic RAM technology using doped face trench capacitor cell 4—35810
Minegishi, K. *see* Morie, T. 4—42177
Minelga, A.S. *see* Shtuikis, V.A. 4—35301
Minemura, H., Mori, S., Noguchi, M., Yoshizaki, R., Kondo, K., Fast, R., Kephart, R., Wands, R., Yamada, R., Asano, K., Kamishita, K., Kurita, I., Saito, R., Suzuki, T., Yamagiwa, T. Feasibility test of a shrink-fit assembly of a large-diameter superconducting solenoid for a colliding beam detector 4—31083
Minemura, K. *see* Kaede, K. 4—42344
Minemura, K. *see* Niwa, M. 4—47344
Minemura, K. *see* Shikada, M. 4—54810, 4—60877
Minemura, K. *see* Sugimoto, Y. 4—52792
Mineno, H. *see* Yoshimura, K. 4—47588
Mineo, T., Oyama, J., Yamada, E. Harmonic analysis method for the new non-circulating current three phase cycloconvertor 4—57149
Miner, W., Vitello, P., Drobot, A. Simulation of high harmonic gyrotrons 4—41775
Miner, W. *see* Vitello, P. 4—51700
Miner, W.H. *see* Vitello, P. 4—41755
Minervini, J.V. *see* Goldfarb, R.B. 4—44597
Mines, G.L., Wiggins, D.J. Thermal and hydraulic performance of a sieve tray direct contact heat exchanger 4—34464
Minetti, B., Minetti Mezzetti, E., Pasquarelli, A., Iazzi, F. Viscosity: a new method of evaluating damping and period 4—49048
Minetti, B. *see* Bressani, T. 4—33695, 4—39427
Minetti Mezzetti, E. *see* Minetti, B. 4—49048
Minetti-Mezzetti, E. *see* Demichelis, F. 4—45657
Minevich, M.L. *see* Gut, R.E. 4—32644
Ming Kuo *see* Davis, D.B. 4—47647
Ming Naiben *see* Hong Jingfen 4—37467
Ming Zhang *see* Zhang Ming
Ming Zheng Zha *see* MacDonald, K.R. 4—47328
Ming-gen Cui *see* Cui Ming-gen
Ming-Kwang Lee *see* Chin-Tang Chen 4—46879
Ming-pan Hung The effects of the morphology of Al_3Ni on the strength of an Al-7 w/o Ni alloy 4—46252
Ming-Wen Chang *see* Fure-Tzahn Tsai 4—37483
Ming-Xuan Li *see* Li Ming-Xuan
Ming-Yuan Leu, Shian-Jang Su Detection of neutron contamination from high energy medical accelerators using electrochemical etching 4—39632
Mingchang Wang *see* Wang Mingchang
Mingda Lu *see* Lu Mingda
Mingde Zhang *see* Zhang Mingde
Mingjuan Xu *see* Xu Mingjuan
Mingxin Qiu *see* Qiu Mingxin
Mingyu Che *see* Che Mingyu
Mingzhung Wang *see* Wang Mingzhung
Minhua Jian *see* Jian Minhua
Miniet, J.J. What is Flex-O-Pak? 4—40860
Minkin, M.B. On modeling in calculation of reliability by a Monte Carlo method 4—62042
Minkoff, J. The role of AM/PM conversion in memoryless non-linear systems 4—31844
Minkoff, J.B. Wideband operation of nonlinear solid-state power amplifiers—comparisons of calculations and measurements 4—35647
Minkova, A. *see* Briancon, C. 4—39488
Minoda, K. *see* Chaki, E. 4—56255
Minondo, P. *see* Makram-Ebeid, S. 4—30731
Minondo-Fominaya, R. *see* Delgado-Penin, J.A. 4—56600
Minor, E.G. Mentoring: a personal experience 4—50375
Minor, R.G. *see* Blue, L.A. 4—46505
Minorikawa, K. *see* Yonezawa, H. 4—51356
Minouge, P., Byrne, M., Jennings, J. Foursome D/A converter with a voltage output 4—51323
Minoux, M. Subgradient optimization and Benders decomposition for large scale programming 4—46170
Minowa, I., Kanno, M. Measurement of contact resistance of electric contacts using SQUID galvanometer 4—33433
Minowa, J. *see* Sano, K. 4—44103
Minshull, J.F., Pinnell, M.C., Smith, P.M., Szatkowski, M.J. Update control for a low speed display 4—33162
Minshull, J.F., Pinnell, M.C., Szatkowski, M.J. Incremental erasing in an electrochromic display device 4—33163
Minshull, J.F. *see* Bird, C.L. 4—33161
Minteanski, B. *see* Gheorghe, O. 4—39910
Minten, J. *see* Aubert, A.E. 4—33819
Mints, M.B. The error in reproducing a decaying exponential process by an inertial device 4—33074
Mints, M.Ya., Chinkov, V.N., Grib, O.G. Balancing of currents in 4-conductor 3-phase mains 4—45096
Mintyanskii, I.V. *see* Katerinchuk, V.N. 4—46838
Mintzer, R.A. *see* Lin, P.-J.P. 4—49148
Minuhin, V.B. Comparison of sensitivity functions for ideal probe and ring-type heads 4—47186
Minuhin, V.B. *see* Mallison, J.C. 4—42248
Minywai, N.El *see* El Minywai, N.
Mio, K. *see* Hirashima, T. 4—52674
Miquel, C. *see* Lucat, C. 4—55428
Miquel, I.Alegre de *see* Alegre de Miquel, I.
Mir, M., McCleer, P.J. Simulation methods for optimum performance estimation of analog and computer impedance relays 4—56680
Mira, J.-J., Varoquaux, W. Operation of the electrical system in France in 1990: nuclear power and the modulation of demand 4—62083
Mirabella, O. *see* Faro, A. 4—38333
Mirabella, R. *see* Fletcher, A. 4—51111
Miracky, R.F. *see* Wiesenfeld, K. 4—31076
Mirakhmedov, Sh. *see* Abdurakhmanov, K.P. 4—30428
Miram, G.V. *see* Grant, T.J. 4—36222
Miram, G.V. *see* Treseder, R.C. 4—36182
Miranda, E.E. *see* Bjelkhagen, H. 4—39468
Miranda, L.C.M. *see* Gerck, E. 4—37357
Miranda, M. A burglary alarm for an automobile 4—57495
Miranda, V., Barbosa, F.M. Three-phase load flow for radial networks 4—34154
Miranda, V. *see* Gouveia, J.B. 4—34081
Mirande, W. Absolute measurements of structure widths in micrometer range with the optical microscope 4—55690
Mircea, A., Azoulay, R., Dugrand, L., Mellet, R., Rao, K., Sacilotti, M. Metalorganic InP and $In_xGa_{1-x}As_yP_{1-y}$ on InP epitaxy at atmospheric pressure 4—41092
Mirgorodskaya, E.N. *see* Gulyaev, Yu.V. 4—59244
Mirgorodskaya, E.N. *see* Kopylov, Yu.L. 4—37142
Mirhoseini, M. Laser applications in thoracic and cardiovascular surgery 4—39587
Miri, A.M., Heinrich, C., Seeg, W. Determining the contracting process of bundled cables 4—49603
Mirikawa, H., Fujisaki, H. System identification of the speech production process based on a state-space representation 4—43268
Mirimoto, M. *see* Okabayashi, H. 4—36442
Miriste, B.Hagiescu *see* Hagiescu Miriste, B.
Miro, L. Laser safety 4—49326
Miron, D.B. *see* Heath, G.E. 4—47542
Miron, E. *see* Happer, W. 4—61629
Mironov, G.A. *see* Panasyuk, D.I. 4—40307
Mironov, K.E. *see* Bovina, L.A. 4—52801
Mironov, M.A. Elimination of polymodality of the a posteriori distribution by using the informational redundancy 4—43356
Mironov, O.A. *see* Igumenov, V.T. 4—36311
Mironov, O.M. The current in the excitation winding during a short circuit of a superconducting synchronous generator with deexcitation by means of current inversion 4—56976

Mironov, O.N. *see* Gavrilov, F.V. 4—33264
Mironov, O.V. *see* Popovkin, V.I. 4—41544
Mironov, S.N. *see* Shvarts, A.L. 4—40068
Mironov, V.L. *see* Gorshunova, N.N. 4—55491
Mironov, V.N., Obukhov, S.G. Procedures in test diagnostics of electronic converters 4—40321
Mironov, V.N., Obukhov, S.G. Valve converter test diagnostic procedure 4—45520
Mironov, Yu.M., Tarasov, V.A. Analysis of electric fields in vats of multislag electric furnaces, fed by nonsinusoidal current 4—40643
Mironova, A.M., Kravtseva, I.I. A method of determining the temperature indices of impregnated glass-micanite tape 4—30882
Mironyuk, N.E., Popov, E.I. Calculating the errors of measurement of current transformers 4—30139
Mironyuk, Yu.M. *see* Maslov, V.V. 4—33171
Miroshnichenko, A.G. *see* Danko, V.G. 4—40194
Miroshnichenko, V.P. *see* Davidenko, V.A. 4—55975
Miroshnichenko, V.P. *see* Machulin, I.N. 4—61718
Miroshnichenko, V.S. *see* Korneenkov, V.K. 4—51013
Miroshnikov, I.Yu. *see* Venikov, V.A. 4—44995
Mirov, S.B. *see* Basiev, T.T. 4—31365
Mirovitskaya, S.D. *see* Lazarev, L.P. 4—37565, 4—59227
Mirovitskiy, D.I. *see* Budagyan, I.F. 4—42893
Mirovsky, Y. *see* Cahen, D. 4—40370
Mirowska, N. *see* Misiewicz, J. 4—41857
Mirowski, M. *see* Mower, M.M. 4—44786
Mirsagatov, Sh.A., Muzafarova, S.A., Pak, V. Investigation of the electrophysical characteristics of SDS structures based on polycrystalline cadmium telluride 4—57343
Mirsagatov, Sh.A. *see* Azimov, S.A. 4—57342
Mirshekar-Syahkal, D. Probe characterization in AC field measurements of surface crack depth 4—29551
Mirshekar-Syahkal, D., Collins, R., Michael, D.H. The influence of skin depth on crack measurement by the AC field technique 4—58069
Mirskii, G.Ya., Klimovich, S.U. Digital meter for the mean power of a random signal 4—33356
Mirwalk, A. *see* Schmidt, K. 4—54969
Mirza, A.S. *see* Elias, N.Y. 4—44927
Mirzabekyan, Z.G. *see* Shwarts, Z.L. 4—53160
Mirzazhanov, M.A. *see* Torchinskaya, T.V. 4—50047
Misaki, H. *see* Sato, K. 4—52137
Misaki, T., Tsuboi, H. An analysis of 3-dimensional magnetic field distributions in a small-sized synchronous motor with a permanent magnet rotor 4—34609
Misans, P.A. Errors due to truncation of impulse response of a digital filter 4—51448
Misauer, M. Determining the size of the cooling plate of a power semiconductor component 4—29270
Misawa, H. *see* Sato, F. 4—29780, 4—35745
Misawa, S. *see* Miyazawa, T. 4—58014
Misawa, S. *see* Sasaki, K. 4—46832
Misawa, S. *see* Yoshida, S. 4—58018
Misawa, Y., Hachino, H., Hara, S., Hanazono, M. Surface charges in a ZnO-B_2O_3-SiO_2 glass/silicon system 4—30438
Mischke, R. *see* Bolton, R. 4—55816
Miscikowski, G.R. *see* Feiock, F.D. 4—52899
Miscke, T. Laser diodes: basics, construction, applications 4—47462
Mishchenko, V.A. *see* Bobrovskii, A.N. 4—42558
Misherghi, A.H., Parker, J.L., Zannoli, S. A third generation codec with a programmable filter 4—48297
Mishima, T. *see* Katayama, Y. 4—30623
Mishima, Y. *see* Ashida, Y. 4—29519, 4—30511
Mishin, V.I. *see* Zubov, V.V. 4—31330
Mishin, V.Yu. *see* Abakumov, A.M. 4—44411
Mishina, M. *see* Hayashide, Y. 4—33681
Mishra, B.B., Mosher, P.J. Using programmable controllers for activated sludge waste treatment plants 4—57673
Mishra, M., Forghani, B., Lowther, D.A., Silvester, P.P. Solution of three dimensional electromagnetic field problems on a minicomputer 4—31577
Mishra, P.K., Goyal, I.C. Single mode graded-core W-type fibers with low dispersion over a wide spectral range 4—37120
Mishra, P.K., Hosain, S.I., Goyal, I.C., Sharma, A. Scalar variational analysis of single mode, graded-core, W-type fibres 4—47271
Mishra, R.K. *see* Rabenburg, L. 4—31030
Mishra, S.R. Effect of degraded absorber performance on EMC measurements 4—37660
Mishra, U.C. Air pollution monitoring—requirements and priorities 4—56336
Mishuku, T. *see* Iida, H. 4—34882, 4—45655
Mishurnyi, V.A. *see* Fronts, K. 4—52991
Misiakos, K., Lathrop, J.W. Barrier height determination of Schottky contacts formed at the back contact-semiconductor interface of degraded solar cells 4—62710
Misici, L. Numerical solution of two transcendental equations 4—46177
Misiewicz, J., Mirowska, N., Gumienny, Z. Fundamental optical and photoelectric properties of poly- and mono-crystals of Zn_3P_2 4—41857
Misiuk, A. *see* Beensh-Marchwicka, G. 4—36283
Miskinis, P. *see* Valacka, K. 4—58013
Miskolczy, G., Goodale, D., Moffat, A.L., Morgan, D.T. Thermionic cogeneration burner design 4—40493
Miskolczy, G. *see* Goodale, D. 4—40494
Miskowicz, R.K. *see* Chan, Y.T. 4—43333
Misono, I. A computer simulation of transmission characteristics for teletext signals 4—48080
Misono, I. *see* Murasaki, K. 4—48079
Misono, I. *see* Uehara, T. 4—48550
Misra, R.B., Ghosh, A.K. Production costing of interconnected systems using method of moments 4—34132
Misra, R.B. *see* Dhillon, B.S. 4—57884
Misra, S.N. *see* Patkar, R.V. 4—33627
Missana, A., Steenburgh, J.H. Ensuring clean lube oil for large steam turbines 4—56840
Missimer, D.J. Fast-cycle pump forecast: cold and dry. [Vacuum coater technology] 4—35501
Missirlis, N.M. *see* Evans, D.J. 4—41000
Misskey, W.J. *see* Puri, D. 4—34805
Missout, G., Beland, J., Bedard, G., Bussieres, P. Study of time dissemination methods used on an electric power system with particular reference to Hydro-Quebec 4—45001
Mistretta, C.A. *see* Dobbins, J.T. 4—49147
Misu, K. *see* Wadaka, S. 4—52394
Miszewski, M., Manikowski, J., Strachowski, K. A review of possible applications of thyristor driving systems in the sugar industry 4—57180
Miszewski, M. *see* Gieras, J. 4—34618
Miszewski, M. *see* Manikowski, J. 4—57181
Mita, N. *see* Ishibori, K. 4—38530
Mita, N. *see* Makishima, H. 4—30276
Mita, Y. *see* Tsukada, N. 4—36482
Mitachi, S., Ohishi, Y., Takahashi, S. Preparation of fluoride optical fiber 4—52598
Mitachi, S. *see* Ohishi, Y. 4—47263
Mitake, M., Kobayashi, T., Tomioka, S. Shimadzu pneumatic-electric converter T391Q 4—55430
Mital, D.P. *see* Paranjpe, S.K. 4—29575, 4—46533
Mital, M.D. *see* Sawicki, F.S. 4—58702
Mitamura, Y. Automatic control of artificial hearts 4—33877
Mitani, T. *see* Suzuki, R. 4—38513
Mitarai, Y. *see* Takahashi, K. 4—29547, 4—52438
Mitauer, C.Ya. *see* Brazhnikov, A.E. 4—50244
Mitaut, G., Duclos, D. A tool for communication protocols validation 4—54399
Mitchard, M.G. *see* Setton, J.J. 4—44763
Mitchell, A. *see* Deeley, E.M. 4—42274
Mitchell, A.B. *see* Eser, P.A. 4—56901
Mitchell, A.F., O'Mahony, M.J. The performance analysis of PIN-bipolar receivers 4—38616
Mitchell, A.R. *see* Manoranjan, V.S. 4—50721
Mitchell, B. Marconi's new monopulse SSR paves the way for mode S 4—44897
Mitchell, B. SERC's submillimeter-wave telescope proceeding on schedule 4—60945
Mitchell, C.J. A comparison of the cryptographic requirements for digital secure speech systems operating at different bit rates 4—31941
Mitchell, D.W. Design and application of the pipe cage motor 4—34652
Mitchell, G.D. Total removal and recovery of heavy metals from waste water 4—57671
Mitchell, G.L. *see* Hanse, J.G. 4—47269
Mitchell, G.T. *see* Kanopoulos, N. 4—55318
Mitchell, I. *see* Whitehead, D.G. 4—55264
Mitchell, I.V. *see* Baker, S.I. 4—33727
Mitchell, J.C. The new Gold Phone from Telecom Australia 4—48308
Mitchell, J.L. *see* Pennebaker, W.B. 4—32995
Mitchell, J.R. *see* Irwin, D. 4—51474
Mitchell, J.S. How to develop a machinery monitoring program 4—45938
Mitchell, J.W. *see* Howe, R.R. 4—40629
Mitchell, L.H. *see* Scheck, D.E. 4—61234
Mitchell, M.A., Hiatt, C.F. Process monitoring and prediction of yield 4—29239
Mitchell, O.R. Global and partial shape discrimination for computer vision 4—53798
Mitchell, P.H. *see* Chappelow, R.E. 4—51946
Mitchell, P.W. How to make great tape recordings [audio] 4—38967
Mitchell, R. *see* Zweibel, K. 4—50089
Mitchell, T. *see* Bennett, J. 4—40419
Mitchell, W.S.E. UK cellular mobile radio aims for Euro compatibility 4—48400
Mitchelmore, R. Video editing in the 1980s 4—38877
Mitchelmore, R. Philips. Once more unto the breach, dear friends 4—54938
Mitchelmore, R. French independent radio battles on 4—54941
Mitchelmore, R., Purvis, A., Spain, J. HDTV—How do you make room for it? 4—61036
Mitchner, M. *see* Simons, T.D. 4—57372
Miteva, S.S. *see* Sivov, F.A. 4—48852
Miteva, V.I., Ivanov, K.P. Propagation along circular guide containing passive semiconductor magnetoplasma 4—42924
Mitin, A.I. *see* Brakhman, E.V. 4—46356
Mitkokh, D.I. *see* Aizenshtat, L.I. 4—56072
Mitkov, P.D. Incandescent halogen lamps 4—50191
Mitkowski, E., Grzadzielski, I., Marszalkiewicz, K., Trzeciak, A. Assessment of improvement methods for the supply reliability from a LV network for residential and communal consumers in large housing estates 4—45088
Mito, I., Kitamura, M., Yamaguchi, M., Kobayashi, K., Takano, I. Single-longitudinal-mode operation of DFB-DC-PBH LD under Gbit/s modulation 4—31376
Mito, I. *see* Kitamura, M. 4—47460, 4—52993
Mito, K., Tomonaga, G., Tsujioka, K., Ogasawara, Y., Hiramatsu, O., Kagiyama, M., Nishihara, H., Kajiya, F. Estimation of the temporal resolution of the laser Doppler velocimeter with an optical fiber 4—31546
Mito, Y. *see* Matsumoto, Y. 4—39353, 4—49095
Mitoma, T. Small V-cut method for stopping water leakage into cable tunnels 4—40804
Mitra, S.K., Vaidyanathan, P.P., Anderson, B.D.O. Low sensitivity active filters: fundamental requirements and synthesis procedures 4—35953
Mitra, S.K. *see* Kundu, A. 4—47905
MItra, S.K. *see* Mathew, T. 4—40903
Mitra, S.K. *see* Neuvo, Y. 4—47848
Mitra, S.K. *see* Sugahara, K. 4—51465
Mitra, S.K. *see* Vaidyanathan, P.P. 4—35970, 4—41479, 4—51459
Mitrakos, D.K., Constantinides, A.G. Digital image compression with fidelity constraints 4—32074
Mitri, P. *see* Sicuranza, G.L. 4—53680
Mitrofanov, T.M. *see* Glazov, A.I. 4—55487
Mitropoulos, C.S. Determining the optimal reserve capacity margin in electricity supply: a note 4—56481
Mitsai, L.I. *see* Galunov, N.Z. 4—39456
Mitsai, L.I. *see* Pomerantsev, V.V. 4—33726
Mitschel, H. *see* Chudzienski, E. 4—34410
Mitsel', A.A. *see* Astafurov, V.G. 4—39701
Mitsel'makher, G.V. *see* Antipov, Yu.M. 4—61731
Mitskyavichyus, S. *see* Gal'dikas, A. 4—36299
Mitson, R.B. Review of high-speed sector-scanning sonar and its application to fisheries research 4—38690
Mitsuhashi, T. *see* Hasegawa, T. 4—60971
Mitsuhashi, Y., Fujii, Y., Kikuchi, K. Self-coupling effects of semiconductor laser diode 4—59496
Mitsuhashi, Y. *see* Mukai, S. 4—35474
Mitsuhashi, Y. *see* Nakajima, M. 4—59624
Mitsuhashi, Y. *see* Nakamura, K. 4—53009
Mitsui, H., Akahori, H., Yoshida, K., Kenjo, S. An insulation diagnostic method for high voltage rotating machine coils with low applied voltage 4—40203
Mitsui, K. *see* Nakamura, I. 4—61711
Mitsui, K. *see* Yoshida, S. 4—40436
Mitsui, N. *see* Terasaka, K. 4—59012
Mitsui, Y. *see* Takano, S. 4—30650
Mitsunaga, K., Fujiwara, K., Nunoshita, M., Nakayama, T. Si-doped GaAs/AlGaAs TJS laser by MBE 4—52964
Mitsunaga, K., Fujiwara, K., Nunoshita, M., Nakayama, T. Transverse junction stripe lasers using Si-doped GaAs/AlGaAs grown by MBE 4—59517
Mitsunaga, Y., Katsuyama, Y., Ishida, Y. Thermal characteristics of jacketed optical fibers with initial imperfection 4—31123
Mitsunaga, Y., Katsuyama, Y., Kobayashi, H., Ishida, Y. Strength assurance of optical fiber based on screening test 4—42354
Mitsunaga, Y. *see* Abe, T. 4—52584
Mitsunaga, Y. *see* Tanaka, C. 4—38624
Mitsuoka, T. *see* Toki, M. 4—30901
Mitsuyu, T., Fujita, S., Sasaki, A. InGaAsP/InP wavelength-selection heterojunction phototransistors 4—47347
Mitsuyu, T. *see* Setsune, K. 4—52381, 4—52741
Mittal, A.P. *see* Chatterjee, J.K. 4—57223
Mittal, K.L., Suryanarayana, D. Effect of polyimide thickness on the adhesion of DUPONT 5878 polyimides on silicon nitride wafers 4—36399
Mittal, K.L. *see* Eib, N.K. 4—50961
Mittal, R. *see* Shatendra, K. 4—33734
Mittal, S., Zaragoza, M., Doi, J. Failure of gold-silicon die-attach by the presence of nickel silicide in the bonding of larger size dice to ceramic chip-carriers 4—57847
Mittal, S. *see* Dhariwal, S.R. 4—40442
Mittal, S.K. Lead acid technology—challenges ahead 4—34858
Mittleman, J. *see* Berger, H. 4—61972
Mittra, D.K., Roy, S.K. A new triac controlled solid state circuit breaker for portable electrical coal drills 4—40355
Mittra, R., Hall, R.C., Tsao, C.H. Spectral-domain analysis of circular patch frequency selective surfaces 4—47581
Mittra, R. *see* Galindo-Israel, V. 4—31774, 4—53285
Mittra, R. *see* Gilbert, R. 4—59693
Mittra, R. *see* Kitazawa, T. 4—53257
Mittra, R. *see* Ko, W.L. 4—37737
Mittra, R. *see* Tsao, C.H. 4—47661
Mittra, S. *see* Mohan, S. 4—43287

Mityashin, I.P., Katsnel'son, A.Sh., Tikandi, V.I. TUR-10 industrial robot 4—50531
Mityukhlyaev, V.B. *see* Belyaev, S.A. 4—40446
Mityushin, A.I., Gagarin, A.G., Vigdorchik, V.Kh. A method of studying the structure of currents of gas and liquid in nonuniform electrical fields 4—39320
Mitz, A.R., Reed, D.J., Humphrey, D.R. A sequential pulse generator for producing true biphasic stimuli 4—56068
Mitzel, G.E., Barnett, P.G., Kuehne, B.E., Sommerer, S. Wide-area correlation and tracking of surface ships using multiple sensors 4—48507
Mitzi, D.B. *see* Laibowitz, R.B. 4—52494
Mitzkus, A. *see* Muller, R. 4—46547
Miu, D.K. *see* Wlezien, R.W. 4—61537
Miura, A., Katagiri, K., Yamaguchi, Y. F-400M system supervision [optical links] 4—38623
Miura, A. *see* Ohnishi, K. 4—44100
Miura, K. *see* Minegishi, K. 4—35810
Miura, M. *see* Tsukui, T. 4—48617
Miura, N. *see* Arakawa, Y. 4—52944
Miura, N. *see* Bessho, K. 4—42827
Miura, N. *see* Kuwata, S. 4—48847
Miura, N. *see* Sakaki, H. 4—51844
Miura, S. Cultural property and control engineering 4—33094
Miura, S. *see* Wada, O. 4—31178
Miura, T. Assessment of data and methods to form response functions of a 3″Ø×3″ NaI(Tl) detector 4—39471
Miura, T. *see* Okabe, K. 4—49307
Miwa, M. *see* Nishimura, K. 4—34181
Mix, L.P. *see* Olsen, J.N. 4—33625
Mixon, A. Induction motor control with variable frequency 4—49899
Miya, S. *see* Suzuki, S. 4—30992
Miya, T., Nakahara, M., Inagaki, N. Single-mode fiber fabrication techniques for large capacity transmission systems 4—38629
Miya, T., Nakahara, M., Inagaki, N. VAD single-mode fiber fabrication techniques—1.5 μm dispersion-free single-mode fibers 4—52592
Miyabe, H., Kawanaka, H., Tsuchida, N., Sasaoka, S. Voice storage service program structure 4—54040
Miyabe, H., Ohyama, M., Hongo, I. A name retrieval system—a trial application to the phone number inquiry service 4—60411
Miyabe, H. *see* Morisawa, T. 4—54530
Miyabe, Y., Tokiwa, K., Kasahara, M., Namekawa, T. Extended-BCH codes using Fourier transform over a finite field 4—43095
Miyadera, H. *see* Koyama, S. 4—35095
Miyadera, K. *see* Kuraishi, Y. 4—59962
Miyagaki, Y., Morinaga, N., Namekawa, T. Effect of compound strategies of error correcting coding, bit interleaving, and diversity combining in mobile radio data transmission 4—60705
Miyagawa, T. *see* Arai, Y. 4—53559
Miyagi, J. *see* Sato, M. 4—36817
Miyagi, M., Harada, K., Kawakami, S. Wave propagation and attenuation in the general class of circular hollow waveguides with uniform curvature 4—42907
Miyagi, M., Kawakami, S. Design theory of dielectric-coated circular metallic waveguides for infrared transmission 4—42361
Miyagoshi, T. *see* Matsuda, H. 4—41327
Miyahara, A., Kawasaki, S., Yamamoto, K., Nakajima, K., Ito, S. Critical approach of energy accounting for fusion reactor 4—34324
Miyahara, H., Domae, A., Sato, T. The reproducibility of interpretation of 10 computer ECG systems by means of a microprocessor-based ECG signal generator 4—61791
Miyahara, H. *see* Hasegawa, T. 4—32498
Miyahara, H. *see* Suda, T. 4—32090
Miyahara, K., Yamauchi, Y., Yamamoto, M., Ishida, A. An improved NDRO Josephson quantized loop memory cell with buffering configuration 4—47216
Miyahara, K. *see* Ishida, A. 4—29879
Miyahara, K. *see* Yamauchi, Y. 4—29878
Miyahara, N. *see* Nikaido, T. 4—38404
Miyahara, S. *see* Kobayashi, S. 4—61589
Miyaho, N. *see* Kasai, R. 4—51166
Miyai, H. *see* Aoyama, T. 4—39438
Miyai, H. *see* Shuto, M. 4—53880
Miyai, H. *see* Yamamoto, I. 4—61695
Miyairi, K. Automated dielectric measurement of high polymer materials in the very low frequency region 4—61503
Miyaji, K. *see* Takahashi, H. 4—52730
Miyajima, M., Sasaki, S., Shibamura, E. Number of photoelectrons from a photomultiplier cathode coupled with a NaI(Tl) scintillator 4—58706
Miyajima, Y., Furukawa, S., Ohnishi, M. High strength fiber splicing technique for submarine optical fiber cable 4—38635
Miyajima, Y. *see* Kawata, O. 4—38638, 4—42397
Miyajima, Y. *see* Kojima, N. 4—38631
Miyajima, Y. *see* Ohnishi, M. 4—59252
Miyakawa, H. *see* Arakawa, K. 4—58458
Miyakawa, H. *see* Fujii, T. 4—43918
Miyakawa, H. *see* Harashima, H. 4—32927
Miyakawa, H. *see* Kamitake, T. 4—43032
Miyakawa, H. *see* Saitoh, T. 4—60173
Miyakawa, H. *see* Yamada, T. 4—47740
Miyakawa, M. 1-10 GHz microwave applicators for medical applications 4—33822
Miyake, H. *see* Fujiyama, Y. 4—48342
Miyake, I., Tanpo, T., Tatsuyama, C. XPS study on the oxidation of InSe 4—30522
Miyake, K., Kimura, S., Warabisako, T., Sunami, H., Tokuyama, T. Microwave plasma stream transport system for low temperature plasma oxidation 4—46945
Miyake, M. *see* Aoki, T. 4—38399
Miyake, M. *see* Yoshizawa, M. 4—30306
Miyake, S. *see* Krishnasawamy, M.R. 4—33735
Miyake, Y. *see* Yorozu, J.-I. 4—61778
Miyako, H. *see* Ito, K. 4—36109
Miyamaru, K. *see* Hirayama, F. 4—55996
Miyamichi, K., Nakanishi, R., Kato, Y., Uematsu, H. 69 kV draw-out type switchgear 4—50000
Miyamoto, A. *see* Ogawa, K. 4—33682, 4—61670
Miyamoto, H., Miyazaki, S., Hirose, M. Plasma-deposited boron nitride as a new class of insulating film 4—41107
Miyamoto, J., Saitoh, S., Momose, H., Shibata, H., Kanzaki, K., Kohyama, S. A 1.0 μm N-well CMOS/bipolar technology for VLSI circuits 4—36739
Miyamoto, J., Saitoh, S., Momose, H., Shibata, H., Kanzaki, K., Iizuka, T. A 28 ns CMOS SRAM with bipolar sense amplifiers 4—51240
Miyamoto, K. *see* Satoh, Y. 4—46445
Miyamoto, N. *see* Suemitsu, M. 4—51771
Miyamoto, S., Nishida, T., Kozawa, T., Tada, F. TRUE: a fast detectability estimation system 4—36756
Miyamoto, S., Yoshinouchi, A., Yugami, N., Imasaki, K., Nakai, S., Yamanaka, C. Pulse power compression by fast opening switch 4—34788
Miyamoto, S. *see* Hattori, A. 4—50163
Miyamoto, S. *see* Kosaka, M. 4—48506
Miyamoto, T., Inada, H., Nakata, K. A real-time PARCOR analysis of speech by high-performance signal processors 4—47790
Miyamoto, Y. *see* Maekawa, T. 4—59023
Miyanaga, S. *see* Sato, K. 4—44101
Miyanaga, Y., Miki, N., Nagai, N. ARMA digital lattice filter based on a linear prediction theory 4—51452
Miyanaga, Y., Miki, N., Nagai, N. A study of an ARMA analysis of speech 4—59955
Miyanaga, Y. *see* Watanabe, H. 4—29332
Miyanagi, H. *see* Saito, A. 4—52467
Miyanishi, M. *see* Ushida, N. 4—56030
Miyao, J. *see* Hagino, H. 4—41055
Miyao, K. *see* Asano, S. 4—32280
Miyao, K. *see* Tanaka, J. 4—44341
Miyao, K. *see* Uchikawa, F. 4—33252
Miyao, M. *see* Ohkura, M. 4—41918
Miyao, M. *see* Tamura, M. 4—41915
Miyaoka, S. Digital audio is compact and rugged 4—38945
Miyaoka, S. *see* Aoki, Y. 4—52530
Miyashita, K., Hayashida, H., Morinaga, S. Small digital servomotor with encoder 4—57087
Miyashita, M. Keihan converts from 600 V to 1.5 kV in one night 4—35010
Miyashita, S. *see* Hayashide, Y. 4—33681
Miyashita, T. An investigation of the phase locking of laser modes by continuous resonator-length variation. I. Computer simulation for a unidirectional traveling-wave ring laser 4—31405
Miyashita, T. *see* Kanamori, T. 4—52599
Miyasita, T. Current topics of ultrasonic imaging 4—49492
Miyata, H., Ohta, T., Kajikawa, T. Conceptual design of thermoelectric generator system using LNG cold energy 4—50109
Miyata, H. *see* Hayashide, Y. 4—33681
Miyata, H. *see* Kajikawa, T. 4—50110
Miyata, K. Radiation properties of a choke-loaded circular waveguide antenna—choke position effects 4—47691
Miyata, K., Suzuki, M. Effects of aperture polarization control on cross-polarization characteristics in front-fed parabolic reflector antennas 4—42948
Miyata, K., Suzuki, M. Choke position effects in double-choked circular waveguide antennas 4—59875
Miyata, K. *see* Yoshida, H. 4—31053
Miyata, M. *see* Sugai, M. 4—58387
Miyata, T. Transmissive optics for high power CO_2 lasers 4—42678
Miyata, T. *see* Uehara, K. 4—46527
Miyatake, S. *see* Watanabe, T. 4—32944, 4—39063
Miyatsuji, K. *see* Hamaguchi, C. 4—30622
Miyauchi, A. *see* Harasaki, H. 4—32233
Miyauchi, A. *see* Itoh, H. 4—44615
Miyauchi, E. *see* Arimoto, H. 4—30509
Miyauchi, K. *see* Ito, Y. 4—57305
Miyauchi, M. *see* Matsumoto, M. 4—52603
Miyauchi, M. *see* Takai, M. 4—50801
Miyawaki, N. Future direction of power systems for telecommunications 4—34018
Miyawaki, S., Yanagihara, N., Shimamura, M. Laboratory automation system for automatic transmission experiments 4—33183
Miyawaki, S. *see* Ueda, H. 4—46751
Miyayama, M. *see* Toyoshima, Y. 4—33248
Miyazaki, M. *see* Saito, S. 4—34743
Miyazaki, S., Ishida, A. Capacitive transducer for continuous measurement of vertical foot force 4—44710
Miyazaki, S. *see* Hirose, M. 4—58771
Miyazaki, S. *see* Miyamoto, H. 4—41107
Miyazaki, T. *see* Katsueda, M. 4—40875
Miyazaki, T. *see* Matsuura, K. 4—56617
Miyazaki, T. *see* Nakamura, T. 4—51170
Miyazaki, T. *see* Natsuaki, N. 4—36441, 4—41980
Miyazaki, Y., Tominaga, S. Statistical electromagnetic absorption and shield properties of inhomogeneous compound layers with lossy particles and fibers 4—37573
Miyazaki, Y. *see* Goto, N. 4—42447
Miyazaki, Y. *see* Yamaga, M. 4—31102
Miyazawa, E., Muramoto, H., Iwahara, M. Optimum capacity of the ferroresonant voltage regulator 4—57293
Miyazawa, E. *see* Iwahara, M. 4—31557
Miyazawa, H. A location system for TV ghost sources 4—55003
Miyazawa, K. *see* Kato, S. 4—54393
Miyazawa, S., Ishii, Y. Dislocations as the origin of threshold voltage scatterings for GaAs MESFET on LEC-grown semi-insulating GaAs substrate 4—52105
Miyazawa, S. *see* Ishii, Y. 4—36691, 4—47028, 4—52104
Miyazawa, S. *see* Nanishi, Y. 4—52288
Miyazawa, S. *see* Yamazaki, H. 4—30349, 4—52287
Miyazawa, T., Yoshida, S., Misawa, S., Gonda, S., Ohdomari, I. Molecular and ion beam epitaxy of 3C-SiC 4—58014
Miyazawa, T. *see* Yoshida, S. 4—58018
Miyazawa, Y., Hemmi, M., Chiba, Y., Odera, M. Mechanical and thermal characteristics of cavities of the RIKEN variable frequency heavy ion linear accelerator 4—55796
Miyazawa, Y. *see* Uchino, K. 4—52767
Miyazoe, Y. *see* Mizunami, T. 4—42590, 4—52920
Miyazono, M., Kuninaga, M., Murata, M., Namekawa, T. A new multiplexing system using 2-channel video signals for pulse interval and width modulation 4—54515
Miyo, T. *see* Aoki, S. 4—60744
Miyoshi, H. *see* Takasuka, M. 4—33315
Miyoshi, K., Iwai, I. Some aspects of low-wattage HID lamps 4—45737
Miyoshi, M. *see* Shikata, T. 4—45367
Miyoshi, S. *see* Hijikigawa, M. 4—33976
Miyoshi, T., Jitsumori, A. Measuring equipment employing electromagnetic ultrasonic waves 4—34013
Miyoshi, Y. *see* Makino, T. 4—54766
Miyoshi, Y. *see* Yamato, K. 4—41330
Mizan, M., Ballato, A. The stress coefficient of frequency of quartz plate resonators 4—30891
Mizeraczyk, J., Urbanik, W., Abraham, T., Neiger, M. Electron energy distribution function in He-Kr mixture for laser hollow-cathode discharges 4—47426
Mizerina, N.Yu. *see* Lubashevskii, I.A. 4—58712
Mizerov, M.N. *see* Kalandarishvili, K.G. 4—37379
Mizier, M.O. The measurement of the viscosity of liquids 4—33548
Mizier, M.O. Conditioning, to do what? 4—48818
Mizobuchi, A. *see* Asahi, K. 4—39417
Mizogucgi, R. *see* Kakusho, O. 4—53495
Mizoguchi, H. *see* Yanabu, S. 4—34794
Mizoguchi, M. *see* Morita, M. 4—30142
Mizoguchi, M. *see* Temma, T. 4—33208
Mizoguchi, R., Kinoshita, M., Kakusho, O. Word recognition system for unspecified speakers based on interrelated phoneme templates 4—59959
Mizoguchi, T. *see* Ikawa, Y. 4—51168
Mizoguchi, T. *see* Terada, T. 4—30730
Mizoh, Y. *see* Kawamata, T. 4—31020
Mizota, T. *see* Shimoda, H. 4—57601
Mizsei, J., Harsanyi, J. Resistivity and work function measurements on Pd-doped SnO_2 sensor surface (gas-sensitive devices) 4—33234
Mizsei, J., Kolonits, P. Gas sensors with thick-layer technology 4—49032
Mizuguchi, K. *see* Kajikawa, Y. 4—51822
Mizuhashi, K. *see* Tanaka, S. 4—61665
Mizui, J. *see* Horioka, K. 4—55798
Mizukami, M. *see* Harakawa, T. 4—60433
Mizukami, Y., Doi, H., Katsuki, K., Shimomura, T., Iyoda, I. Study of fast synchronous reclosing method for parallel AC line fault in AC/DC power transmission system 4—56561
Mizuki, N., Kaku, N. An evaluation of the calculated power of false targets in SSR by the measured data 4—44144
Mizuki, T. *see* Sukegawa, T. 4—59335
Mizumo, M. Experimental investigation on the performance of FH-FSK in fading channels 4—32712

Mizumoto, T., Naito, Y. Ar sputter-etching of YIG and Ta_2O_5 and fabrication of artificial anisotropic waveguides with YIG thin films 4−42402
Mizumoto, T., Tsuchida, M., Banno, J., Naito, Y. Stress birefringence in YIG and Bi: YIG thin films 4−42241
Mizumura, H. *see* Takamizawa, K. 4−52212
Mizunami, T., Maeda, M., Honda, C., Miyazoe, Y. Picosecond pulse amplification by excimer-laser-pumped dye laser 4−42590
Mizunami, T., Maeda, M., Miyazoe, Y. Picosecond-pulse amplification by a XeCl excimer laser 4−52920
Mizuno, A., Fukuma, M. Decrease in charge of sharp-edged ellipsoidal particles by self discharge 4−53144
Mizuno, A., Hososaka, S., Enomoto, M., Ohba, T., Nakao, T. The development of interface LSI 4−58432
Mizuno, H., Tokumitsu, T., Kato, H. 30/20 GHz, 6/4 GHz band transponders design and characteristics 4−38532
Mizuno, K., Suzuki, T., Ono, S., Sagae, K. Optimum coupling of a Gaussian beam to a corner reflector with a four-wavelength antenna 4−59839
Mizuno, K. *see* Katsumata, Y. 4−36547
Mizuno, N. *see* Kohmoto, K. 4−61786
Mizuno, S. An analysis of the solution set to a homotopy equation between polynomials with real coefficients 4−35426
Mizuno, T., Katsuyama, K., Ban, K., Ito, S., Kitaymaa, T. An electronic mail system incorporated in an optical star network 4−60427
Mizuno, T. *see* Higuchi, T. 4−57083
Mizuno, Y. *see* Ishihara, K. 4−52341
Mizunuma, M. *see* Nakatsuyama, M. 4−55306
Mizuo, S. *see* Shintani, A. 4−30802
Mizuo, S. *see* Tamaki, Y. 4−29880
Mizusawa, J. *see* Iizuka, H. 4−32247
Mizushima, Y. *see* Ito, H. 4−57346
Mizushima, Y. *see* Ogino, T. 4−42048
Mizushima, Y. *see* Urisu, T. 4−53024
Mizuta, M., Kawata, S., Iwamoto, T., Kukimoto, H. Correlation between surface morphology and electrical properties of GaAs grown by metalorganic chemical vapor deposition 4−46238
Mizuta, M., Merz, J.L. CW laser annealing of InP 4−41956
Mizuta, M. *see* Sheng, N.H. 4−41936
Mizuta, M. *see* Tanaka, S. 4−52773
Mizutani, K. *see* Kanemaki, N. 4−54164
Mizutani, K. *see* Toda, K. 4−47166
Mizutani, T. *see* Wada, Y. 4−36864
Mizutani, T. *see* Yamamoto, F. 4−35028
Mizutani, T. *see* Yamasaki, K. 4−52285
Mizutani, U. *see* Inoue, A. 4−48869
Mizutani, Y. *see* Momose, H. 4−30787
Mizyuk, L.Ya. Transformations of equivalent noise circuits of an active quadrupole and interdependence of their noise parameters 4−51005
Mizyuk, L.Ya. *see* Dub, P.B. 4−60032
Mizyuk, L.Ya. *see* Dzhala, R.M. 4−53245
Mizzi, D. *see* Loggini, M. 4−62611
Mlejnek, F. Colour analyser for film enlargement checking 4−33513
Mlotkowski, A., Niezgodzinski, T. Calculation of stresses in a squirrel cage of a induction motor 4−57019
Mlynarczyk, A. A random resistance model of an arc column 4−59071
Mlynarek, G., Paszkiewicz, M., Radniecka, A. The effect of ferric ions on the behaviour of a nickelous hydroxide electrode 4−34836
Mlynski, D.A. *see* Kosmowski, B.B. 4−39338
Mnich, T.M., Diehl, S.E., Shafer, B.D., Koga, R., Kolasinski, W.A., Ochoa, A., Jr. Comparison of analytical models and experimental results for single event upset in CMOS SRAMs 4−29859
Mnikh, N.B. *see* Vas'kovskii, Yu.N. 4−45536
Mo, J.N. *see* Sanderson, N.E. 4−33760
Mo Peigen, Yang Jinhua, Li Shouchun, Jiang Daiwei, Zhao Huifang A modified horizontal gradient-freeze technique for growth of dislocation-free Si-doped GaAs single crystals 4−29455
Mo Yuanlong *see* Yang Zhonghai 4−31263
Mo-yuan Ding *see* Ding Mo-yuan
Moad, M.F. On the geometry of multiplication and division of several phasors 4−29321
Moats, A.W. Environmental considerations of coal use: present and future 4−62401
Moawad, R., Hassan, M. Design and performance evaluation of air data microcomputer 4−33934
Mobius, K.-H. *see* Kramer, D. 4−33623
Mochalkina, O.R. *see* Borisenko, A.Yu. 4−31226
Mochida, Y., Unagami, S., Murano, K., Fujimura, N., Kinoshita, T., Tanada, Y. VLSI high speed data modem 4−32534
Mochiji, K., Kimura, T., Obayashi, H., Yanagihara, M. Soft X-ray spectral characterization of resist polymer using synchrotron radiation 4−51924
Mochiji, K. *see* Kimura, T. 4−36367
Mochiki, K. *see* Hasegawa, K. 4−55850
Mochimaru, H. *see* Kitazawa, T. 4−33421
Mochisuki, M. *see* Ikawa, Y. 4−51168
Mochizuki, K., Namihira, Y., Kuwazuru, M. Absorption loss in optical fibres due to hydrogen 4−47249
Mochizuki, K., Namihira, Y., Kuwazura, M., Iwamoto, Y. Behavior of hydrogen molecules adsorbed on silica in optical fibers 4−52569
Mochizuki, K., Namihira, Y., Kuwazuru, M., Iwamoto, Y. Effects of hydrogen on the IR absorption characteristics in optical fibers 4−52662
Mochizuki, K. *see* Namihira, Y. 4−59239
Mochizuki, K. *see* Nunokawa, M. 4−38612
Mochizuki, K. *see* Ryuzawa, S. 4−62036
Mochizuki, M. *see* Shimizu, S. 4−51387
Mochizuki, M. *see* Terada, T. 4−30730
Mochizuki, M. *see* Toyoda, N. 4−29883
Mochizuki, M. *see* Watanabe, K. 4−45726
Mochizuki, R. *see* Shimoseko, S. 4−32729
Mochizuki, S. *see* Kuwabara, T. 4−41640
Mochizuki, T., Hanabe, K., Ueda, T., Nakano, H. Videotex system for digital network 4−54187
Mochizuki, T., Wise, K.D. An n-channel MOSFET with Schottky source and drain 4−36599
Mochizuki, T. *see* Irisa, T. 4−57091
Mochizuki, T. *see* Iwamoto, T. 4−46571
Mochizuki, T. *see* Kikuchi, K. 4−35093
Mocinic, Z. The ATME 2 equipment for automatic measurement of line transmission characteristics 4−60325
Mock, E.A. *see* Wann-Joe Sun 4−49768
Mock, M.S. Time-dependent simulation of integrated circuits 4−36734
Mocken, T. *see* Artemiev, V. 4−61684
Mockett, P.M. *see* Brown, J.S. 4−39487
Modanesi, N. Linear amplifier for 800 W SSB 4−35663
Modavis, R.A. *see* Dick, J.M. 4−52663
Moderndorfer, B., Schuy, D. Solid-state definite-time overcurrent protection in casings 4−56673
Modestino, J.W., Eyuboglu, V.M. Integrated multi-element receiver structures for spatially distributed interference channels 4−31996
Modestino, J.W., Farvardin, N. Rate-distortion performance of predictive encoding schemes 4−43151
Modestino, J.W., Farvardin, N. Optimum entropy-coded quantizer design for a class of discrete-time sources 4−60087
Modestino, J.W., Jung, K.Y., Matis, K.R. Modeling, analysis and simulation of receiver performance in impulsive noise 4−31711
Modestino, J.W., Matis, K.R. Interactive simulation of digital communication systems 4−38454
Modestino, J.W. *see* Farvardin, N. 4−47746
Modgil, S.K., Virk, H.S. Effect of etchant concentration and temperature on the bulk etch rate for solid state track detectors 4−55874
Modgil, S.K., Virk, H.S. Track annealing studies in glasses and minerals 4−55930
Modi, A.S. *see* Golaszewski, M.J. 4−32584
Modir, H., Schlueter, R.A. A dynamic state estimator for power system dynamic security assessment 4−34021
Modreker, H.-W. *see* Gross, G. 4−34407
Modugno, E.J., Hampton, M.L., Johnson, G.W., Ohlms, D.E. An efficient Doppler compensated correlator and a low Doppler interference removal 4−59906
Modugno, E.J. *see* Johnson, G.W. 4−60132
Moe, M.K., Hahn, A.A., Brown, H.E. A He TPC for $\beta\beta$ decay of ^{82}Se 4−33634
Moebus, M.C. *see* Orzechowski, T.J. 4−47368
Moel, A.Le *see* Le Moel, A.
Moeller, C. *see* Felch, K. 4−36198
Moeller, D.W., Fujimoto, K. Cost evaluation of control measures for indoor radon progeny 4−61837
Moeller, G. *see* Ho, C.T. 4−34893
Moeller, R.P. *see* Burns, W.K. 4−52625
Moeller, R.P. *see* Villarruel, C.A. 4−52608
Moeller, R.P. *see* Wang, C.C. 4−41260
Moen, H. DATEL, the telephone authority's data transfer service 4−38281
Moen, H. DATAPAK, Televerket's packet switched data transfer service 4−43548
Moen, H. DATEX [data transmission system] 4−54345
Moen, T.O., Rustad, S., Thoresen, P.E. Charcoal as an alternative energy carrier: net energy and cost analyses 4−62268
Moeneclaey, M. Prefilter optimization for the filter and square synchronizer 4−53366
Moens, C., Kooter, C. ECS-1 in-orbit measurements programme and results 4−44025
Moerder, D.D. *see* Price, D.B. 4−49365
Moerner, W.E. *see* Bjorklund, G.C. 4−42322
Moerner, W.E. *see* Romagnoli, M. 4−47507
Moeseev, V.P., Nesterenko, G.V. Detector of signals of given shape 4−44477
Moffat, A. *see* Goodale, D. 4−40494
Moffat, A.L. *see* Miskolczy, G. 4−40493
Moffat, R.J. The gradient approach to thermocouple circuitry. I. Background and basic premise 4−39141
Moffat, R.J. The gradient approach to thermocouple circuitry II. Illustrations of the method 4−55385
Moffat, S. Japanese radio: neglected corner of a media paradise 4−54942
Moffatt, A.M. *see* Sulley, J.L. 4−34487
Moffatt, C. A competitive environment for television and cable 4−55025
Moga, M., Jenes, A. Voltage and reactive power control on the basis of boundary operation diagrams of an electric power plant connected to an electric energy system 4−56804
Mogab, C.J. Dry etching 4−42125
Mogami, T. *see* Morimoto, M. 4−30725
Moganu, C.I. The electrodynamic potentials in the Maxwell-Hertz theory 4−37539
Moghal, G.R. Determination of gold surface-state energy levels when present at a silicon-silicon dioxide interface 4−41905
Moghe, S., Andrade, T., Policky, G., Huang, C. A wideband two stage miniature amplifier 4−30105
Moghe, S., Osbrink, N.K. General-purpose 2- to 12-GHz MMIC amplifier nears production 4−41598
Mogilevich, V.N. *see* Voitenkov, A.I. 4−42389
Mogil'naya, T.Yu., Savel'ev, I.I., Timonin, P.V., Yakushev, A.I. Interaction of counterpropagating circularly polarized waves in an He-Ne ring laser with a gain greatly exceeding its losses 4−37403
Mogle, R.A., Sober, D.J. Aramid/epoxy materials for chip carrier applications 4−51654
Moglestue, C. Monte Carlo particle modelling of noise 4−30582
Moglestue, C. Carrier mobility at interfaces 4−36616
Moglestue, C. Monte-Carlo particle model study of a microwave photodetector 4−44120
Mogro-Campero, A., Love, R.P. Carrier lifetime reduction by argon implantation into silicon 4−41819
Moguzov, V.F. *see* Gorshunov, V.Yu. 4−40304
Mohadjer, M., Johnson, C.D. Power system control with disturbance-accommodation 4−49554
Mohadjer, M., Johnson, C.D. Load-frequency control with disturbance accommodation 4−62079
Mohammad, M.T., Abass, A.K. Optical properties of chemically deposited conducting glass for SIS solar cells 4−47238
Mohammad, W.A. *see* Mottram, R.C. 4−55756
Mohammad-Djafari, A. *see* Saint-Felix, D. 4−60257
Mohammadi, F. VLSI 1-micron MOS processing 4−52281
Mohammadian, A.H., Tai, C.-T. A general method of transient analysis for lossless transmission lines and its analytical solution to time-varying resistive terminations 4−37688
Mohammadian, A.H., Tai, C.-T. Transients on lossy transmission lines with arbitrary boundary conditions 4−47641
Mohammed, O.A. On the three dimensional magnetostatic field solutions in electrical devices by the finite element method 4−59704
Mohammed, O.A., Demerdash, N.A., Nehl, T.W. Validity of finite element formulation and solution of three dimensional magnetostatic problems in electrical devices with applications to transformers and reactors 4−57125
Mohan, C. *see* Finkelstein, S. 4−32392
Mohan, N. *see* Undeland, T.M. 4−57420
Mohan, S., Anderson, J.B. Computationally optimal metric-first code tree search algorithms 4−53397
Mohan, S., Chin-Min Lin Incremental tree encoding of speech using the stack algorithm 4−43283
Mohan, S., Mittra, S. Backward adaptive tree encoding of speech 4−43287
Mohanan, P., Aanandan, C.K., Nair, K.G. Axially symmetric radiation patterns from corrugated flanged *H*-plane sectoral horns 4−31766
Mohanan, P., Vallabhan, C.P.G., Aanandan, C.K., Nair, K.G. Phase modulation of microwave signals using point contact germanium signal diodes 4−32678
Mohanan, P. *see* Zachariah, E.J. 4−31767
Mohanty, N. Error probability in Nakagami-Rice channel 4−31818
Moharir, P.S., Venkata Rao, K., Varma, S.K. Energy efficiency of allpass ARMA impulse-equivalent periodic sequences 4−32841
Mohl, L. *see* Hess, G. 4−60719
Mohler, E. Stuttgart model: commercial publication and Btx 4−54312
Mohler, R.L., Spielberg, A.C. Buried contact process 4−36490
Mohler, R.R. *see* Halawani, T.U. 4−43336, 4−47888
Mohler, R.R. *see* Kolodziej, W.J. 4−31971
Mohmand, S. *see* Bargon, J. 4−50036
Mohos, I.M., Ormay, J. Testing gas-discharge light sources with the CAMAC real-time computerised measurement data acquisition system 4−48719
Mohr, C. *see* Mickanin, W. 4−36159
Mohrmann, K.H. *see* Grallert, H.-J. 4−47743
Mohsen, A., Kung, R., Schultz, J., Madland, P., Simonsen, C., Hamdy, E., Yu, K. C-MOS 256-K RAM with wideband output stands by on microwatts 4−51193
Mohsen, A. *see* Hamdy, E. 4−36858
Mohsen, A. *see* Yu, K. 4−35787

Mohsen, A.M. *see* Kung, R.I. 4—51247
Moilanen, M., Kalliomaki, K., Paarni, A., Kalliomaki, P.L. A microcomputer-controlled rotating-sample magnetometer 4—48718
Moing, A.J.Le *see* Le Moing, A.J.
Moisan, G. *see* Brunel, F. 4—32194
Moise, M. *see* Melinte, S. 4—34902
Moiseichenko, V.S. Feedback dynamometers with differential scale conversion 4—55707
Moiseyev, M.A. *see* Ergakov, V.S. 4—41761
Moize de Chateleux, W.L.F.H.A. *see* Schwarz, F.C. 4—45498
Mojoli, M. The applications of isolated amplifiers 4—58163
Mojzis, M. Errors calculation of a measuring current transformer 4—39256
Mok, T.D., Ambrose, J.R. A-D converter-filter chip serves as front end for digital signal processing 4—58401
Mok, T.D. *see* Strasilla, U. 4—35964
Mokhoff, N. NAPLPS: a standard for drawing and sending pictures? 4—43488
Mokhov, E.N. *see* Vodakov, Yu.A. 4—41966
Mokhov, N.V. *see* Borodin, V.E. 4—61716
Mokin, B.I. The criteria and laws governing voltage regulation in distribution networks 4—56586
Mokin, B.I., Leont'ev, V.A. Developing a diagnostic algorithm for a distribution network 4—62168
Mokin, B.I., Tkachuk, B.D. Algorithm for determining capacitive current in a power network 4—39950
Mokkapati, C., Stark, D.E. Traction power and chopper harmonics in a rapid transit system 4—62768
Mokrov, A.B. *see* Ganichev, D.A. 4—59718
Mol, E.A. Windability and performance testing of magnet wire and NEMA MW-1000 4—36105
Mol, J.M.F. *see* Rijcken, W.J. 4—33837
Molair, P.G., Tassoni, C., Troili, R. Nonlinear flectional oscillations of electrical machine rotors 4—56920
Molchan, I.V. *see* Avramchenko, P.F. 4—45787
Molchanov, A.G., Platov, A.V. Mechanism for efficient generation of infrared radiation in a strongly preionized, externally maintained electrical discharge in inert gases 4—37304
Molchanov, I.N., Yakovlev, M.F., Geets, E.G. Some methods of integrating ordinary differential equations on a multiprocessor computer 4—57978
Molchanov, M.I., Pereverzev, A.V., Yaroshenko, N.G. Determination of the characteristics of a photoreceiver by means of a light-emitting diode 4—44514
Molchanov, M.I., Pereverzev, A.V., Yaroshenko, N.G. Measurements of frequency fluctuations of a ring laser 4—47503
Molchanov, O.A. *see* Larkina, V.I. 4—53205
Molchanov, S.A., Ruzmaikin, A.A., Sokolov, D.D. Equations of dynamo in random velocity field with short correlation time 4—59707
Molchanov, V.S. *see* Fedorova, L.V. 4—31094
Moldenhauer, J.G., Hauze, G.E. Experimental demonstration of an N-turn EML 4—42796
Moldovan, N. The mechanical design of a high-power, dual-frequency, millimeter-wave antenna feed system 4—37787
Moldovan, N. *see* Chuang, C.A. 4—59881
Molesini, G. *see* Quercioli, F. 4—32035
Molesti, P. Underfloor cable systems 4—34176
Molesti, P. Quick-erection, underfloor distribution system 4—56580
Molevich, N.E. *see* Igoshin, V.I. 4—42566, 4—47412
Molfino, P. *see* Girdinio, P. 4—29396, 4—29397, 4—34613, 4—56963
Molin, R.Dal *see* Dal Molin, R.
Molina, J.Perez *see* Perez Molina, J.
Molina, P.E. *see* Covarrubias, A.J. 4—45036
Molinari, G. *see* Girdinio, P. 4—29396, 4—29397, 4—34613
Moline, D. Designing transistor test fixtures for the 800 MHz frequency spectrum 4—58516
Molinet, F., Beaulieu, L. Interaction of the electromagnetic field with the nearby structures 4—42926
Molinski, M., Krosnicki, M. Preparation of printed circuit board negatives on the SKEMAGRAF type digitizers 4—51645
Molish, Z. Decomposition of the objective function for control of a power system regime 4—44961
Molish, Z. Priorities in implementing functions in an automated dispatcher control system [power system computer control] 4—44966
Molitor, K. *see* Bateman, B. 4—35788
Molitor, W. *see* Bendel, W. 4—45481
Moll, H., Koelble, E. Simulation of computer controlled radio nets 4—32703
Moll, K. *see* Kuhn, W. 4—49944
Moll, L. TV-channel antennas HF 305 to HF 312 for 174 to 230 MHz 4—37769
Moll, M.Garcia *see* Garcia Moll, M.
Moll, N. *see* Dolfi, D. 4—54821
Moll, W. Induction heating of steel pipes 4—57622
Molle, M.L. Multiple access with a partial reservation channel 4—38328
Molle, M.L. *see* Sohraby, K. 4—32107
Molle, R. Distributed and heterogeneous systems in the network 4—43732
Molledo, A.G., Luque, A. Three dimensional concentrator formed by the crossing of two cylindrical concentrators (CPCs) 4—34921
Molledo, A.G. *see* Lorenzo, E. 4—49814
Moller, K., Youssef, F. Field optimization method based on optimized charge simulating systems 4—53142
Moller, P. Sensitive electronics and disturbances in the electrical power network 4—62230
Moller, U. RAPAS module for nuclear plant 4—49699
Moller, U., Brobeck, H. The RAPAS computer-aided pipework installation system—initial results 4—34245
Moller, U. *see* Domer, W. 4—62342
Mollerud, R. *see* Conta, C. 4—56031
Mollgaard, K. *see* Colditz, A. 4—43457
Mollicone, S. Latest developments of the pressure-time method 4—48732
Mollier, J.-C., Valentin, M. Microwave helix waveguide absorption cell for passive frequency standard 4—55650
Molloy, M. *see* O'Connor, M.K. 4—49141
Molnar, A.H. *see* Lerner, E.J. 4—50364
Molnar, B. Basic limitations on waveforms achievable in single-ended switching-mode tuned (Class E) power amplifiers 4—35649
Molnar, I. Measurement of the glare-effect on computer-planned windscreens 4—61570
Molnar, J., Somogyi, G., Szilagyi, S., Sepsy, K. Development of a CCD based system called DIGITRACK for automatic track counting and evaluation 4—55907
Molnar, J. *see* Grabowski, R. 4—49016
Molnar, K. Circuit output varies as a function of f_{IN}^2 [square-law frequency-to-voltage convertor] 4—51501
Molnar, K.L.J. Modified equation trims output errors of digital tangent generators 4—46377
Molnar, L., Vajda, I. Decoding error probability of the Einarsson-code for a frequency-hopped multiple access channel 4—53406
Molnar, S.von *see* von Molnar, S.
Molochnik, T.A. *see* Tsenter, B.I. 4—45608
Molodtsov, S.N., Rabinovich, G.I., Tkalenko, L.P. Dimensional calculations of the compact xenon lamp anode 4—50198
Molodtsov, V.S., Shcherbinin, A.I. The determinants of the nodal impedance and admittance matrices of a power system 4—56550
Molodykh, V.A., Yamanaev, M.S. Interface unit and software for an X-ray television system 4—41128
Molokanov, M.V., Spiridonov, V.K. Induction phase method for localizing single-phase damage points in a cable line 4—56708
Molokoedov, O.M. *see* Batrachenko, V.S. 4—33119
Moloney, J.V. Self-focusing-induced optical turbulence 4—53084
Molotkov, S.N. *see* Kapaev, V.V. 4—51967
Molozovskii, Yu.M. *see* Malyutenko, V.K. 4—59318
Molteni, W.J. Natural color holographic stereograms by superimposing three rainbow holograms 4—59636
Molter-Orr, L. *see* Haus, H.A. 4—52543
Molyneux-Child, J.W. Shielding against EMI/RFI 4—42879
Molyneux-Child, J.W. A guide to conductive coatings in EMI/RFI 4—42880
Molyneux-Child, J.W. Conductive coatings can cut out EMI/RFI 4—47626
Molyneux-Child, J.W. Designing to meet EMI/RFI laws 4—59765
Molzen, W.W. *see* Reisman, A. 4—52127
Mombasawala, L.S. *see* Rathore, T.S. 4—39261
Mombauer, H. Terminals in communication networks 4—60338
Momma, H., Hotta, H. Development of a gimbal type sheave for deep towing 4—56315
Momodomi, M. *see* Hieda, K. 4—35822
Momodomi, M. *see* Tanaka, S. 4—51233
Momohara, T. *see* Tanaka, H. 4—60529
Momose, H., Shibata, H., Mizutani, Y., Kanzaki, K., Kohyama, S. High performance 1.0 μm N-well CMOS/bipolar technology 4—30787
Momose, H. *see* Miyamoto, J. 4—36739, 4—51240
Momsen, B.F., Dale, R. An assessment of twelve-versus eighteen-month cycles for PWRs 4—49708
Mon, J.-P. *see* Gole, P. 4—32726
Monaca, A.La *see* La Monaca, A.
Monahan, M.A. *see* Bromley, K. 4—42414
Monakhenko, D.V., Tsukerman, Ya.N., Shul'man, S.G. Seismic stressed state of underground hydraulic structures at the Rogun hydroelectric station 4—34467
Monastyrskiy, M.A. *see* Mezhevich, A.N. 4—41789
Moncorge, R. *see* Vivien, D. 4—42591
Mondal, M., Ghatak, K.P. On the modification of the Einstein relation for a semiconductor superlattice 4—30409
Mondal, N.K. *see* Krishnasawamy, M.R. 4—33735
Mondelli, A. *see* Chernin, D. 4—33608
Monden, M., Takami, K., Nakamura, M. DTE/DCE and interexchange interfaces for the telephone network-packet network interworking system 4—38196
Mondor, D. *see* Goddard, G. 4—33135
Monegato, G. Convergence of product formulas for the numerical evaluation of certain two-dimensional Cauchy principal value integrals 4—35432
Monem, S.A. A method for visualizing the effects of uncompensated motion on SAR azimuth resolution 4—60910
Monem, S.A. Analysis of cascaded transmission lines using binary graph 4—62147
Monem, S.A. Analysis of cascaded transmission line T-networks 4—62148
Monerie, M., Favre, F. Frequency stabilisation of diode lasers 4—31403
Monerie, M. *see* Bouidene, Y. 4—32829
Mones, A.H. *see* Speilberger, R.K. 4—58649
Money, D.K. *see* Clark, G.M. 4—61816
Monfils, A., Henrist, M. Three-dimensional radiography from conventional exposures taken at different angles 4—48968
Monga, J.C., Bhave, B.D. Spectral matching considerations in estimating the field performance of low light level imaging systems 4—44508
Mongeau, P. Analysis of helical brush commutation 4—42782
Mongeau, P. *see* Clifton, S. 4—42810
Mongeau, P. *see* Cope, D. 4—42804
Mongeau, P. *see* Kolm, H. 4—42781
Mongeau, P. *see* McKinney, K. 4—42784
Mongera, A. *see* Antolini, R. 4—49253
Monin, A.A. *see* Pashkeev, S.D. 4—43493
Monina, E.F. *see* Grebennik, V.S. 4—35288
Moninger, W.R., Kropfli, R.A., Pasqualucci, F. Scattering properties of hydrometeors as measured by dual-polarization Doppler radar during CCOPE 4—49464
Moninger, W.R. *see* Kropfli, R.A. 4—49463
Monison, M. *see* Commenges, D. 4—35351
Monje Garcia, J.M. A/D conversion chains: technology and practical considerations 4—58406
Monkowski, J.R. *see* Duffalo, J.M. 4—36415
Monks, T.J., Paige, E.G.S., Woods, R.C. SAW and SSBW convolvers utilizing bilinear field in various directions 4—52430
Monma, C.L., Smith, D.R. Probabilistic analysis of interframe tie requirements for cross-connect systems 4—43570
Monnanteuil, N. *see* Dangoisse, D. 4—59433
Monnier, A. Maintainability? [production equipment] 4—50443
Monnin, M. *see* Lferde, M. 4—55940
Monnin, M. *see* Smogyi, G. 4—55869
Monroe, C.A. *see* Mukherjee, B.K. 4—57123
Monroe, D. *see* Kastner, M.A. 4—58742
Monroe, P.I. *see* Thomas, E.S. 4—62183
Monsen, P. MMSE equalization of interference on fading diversity channels 4—31643
Monsen, P. Digital transmission performance bounds with peak power and bandwidth constraints 4—38438
Monsion, M. *see* Baylou, P. 4—60207
Montagna, R. *see* Bigliardi, R. 4—61095
Montalbetti, M. Safety practicality and opinion with series 9000 switches 4—41655
Montald, J. *see* Aubert, A.E. 4—33819
Montalenti, P. *see* Brusaglino, G. 4—45614
Montana, W.M. *see* Martin, F.D. 4—57794
Montanari, G. *see* Beaucousin, J.C. 4—32538
Montanari, G. *see* Massiera, L. 4—43852
Montanari, G.C. *see* Loggini, M. 4—49950
Montanaro, J. *see* Simcoe, B. 4—58388
Montanella, F., Morini, A. Experience gained and experimental programmes in the field of research on superconducting turbogenerators 4—34572
Montante, J.M., Kling, D.R. High reliability attachment of multilayer chip carriers to ceramic substrates for the Class S environment 4—58651
Montecchi, F. Microelectronics in instrumentation and control 4—36700
Montecchi, F. Time-shared switched-capacitor ladder filters insensitive to parasitic effects 4—46560
Montecchi, F., Maloberti, F. Switched-capacitor ladder filters for high frequency applications via bilinear resistor modeling 4—41481
Monteen, L.D. *see* Purucker, S.L. 4—49558
Montegari, F.A. *see* Banker, D.C. 4—29653, 4—29741, 4—29971, 4—29972, 4—30575
Montegari, F.A. *see* Bellis, R.F. 4—29865
Monteiro, R.C. *see* Villalba, J.R. 4—45334
Montella, L. European Community telecommunications policy and Italian reality 4—60294
Montero, I. *see* Albella, J.M. 4—46235
Montesinos, J. A 1 W micro-spy [FM transmitter] 4—38434
Montesinos, J. The flat TV screen is a reality 4—51721
Montesinos, J. Portable video recorders 4—55067
Montginoul, C. *see* Serre, B. 4—36382
Montgomery, J.D. Fiber optics market overview 4—60882

Montgomery, J.P. *see* Davey, K.R. 4—59692
Montgomery, J.P. *see* Moore, R.L. 4—39291
Montgomery, J.P. *see* Wells, T.B. 4—44604
Montgomery, P. Future of voice and data networks 4—54026
Montgomery, W.A. Techniques for packet voice synchronization 4—32080
Monthei, D. Environmentally caused time-domain response distortion 4—58066
Monti, M. *see* Sandin, P. 4—56394
Montilla, J., Sauras, E., Checa, F. Colour study of computer generated Fourier holograms 4—53104
Montillo, F.J. *see* Bhatia, H.S. 4—36085
Montress, G.K. *see* Merritt, S.W. 4—52416
Montrimas, E. *see* Gaidelis, V. 4—59316
Monty, R.W. *see* Beaton, R.J. 4—53849
Moochalla, S.S. Semicircular dome housing for a radio frequency amplifier 4—57833
Moochalla, S.S., An, C. Ridge waveguide used in microstrip transition 4—58498
Moodera, J.S., Meservey, R., Tedrow, P.M. Magnetic susceptibility measurement method for thin films and surfaces 4—33441
Moody, D. *see* Ferne, A.C. 4—44292
Moody, G. Programs on TV 4—38261
Moody, G.B. *see* Pinciroli, F. 4—49261
Moody, M.H. *see* Sultan, N. 4—37752
Moody, S. *see* Cooper, J.A. 4—49481
Moody, S.E. *see* Znotins, T.A. 4—53043
Mooers, C.N.K. Satellite remote sensing and ocean physics 4—61943
Moomaw, R.F. *see* Harschburger, H.E. 4—44856
Moon, C.G. *see* Kiersztyn, S.E. 4—50184
Moon, F.C. Earnshaw's theorem and magnetoelastic buckling of superconducting structures 4—42314
Moon, J. Two power stations shipped per month 4—34456
Moon, J. Heavy-fuel gen-set engine developed 4—62351
Moon Cheol Paek *see* Kyoung Ik Cho 4—51833
Moon Lee Jeong *see* Jeong Moon Lee
Moone, D.A. Test plan covers all the bases [switching systems] 4—48355
Mooney, C.T. *see* Bolger, J.C. 4—57836
Mooney, D.B. *see* Dorler, J.A. 4—36131
Mooney, D.H. *see* Perkins, L.C. 4—49378
Moor, H.H.C.de *see* de Moor, H.H.C.
Mooradian, A. *see* Johnson, B.C. 4—31356
Mooradian, A. *see* Moulton, P.F. 4—37352
Mooradian, A. *see* Rediker, R.H. 4—52851
Mooradian, G.C. Blue-green propagation through clouds 4—31675
Moorby, P.R. Fault simulation using parallel value lists 4—35767
Moore, A.H. *see* Rice, R.E. 4—50591
Moore, B.N. *see* Rosenbluth, M.N. 4—47365
Moore, C.A., Rocca, J.J., Collins, G.J., Russell, P.E., Geller, J.D. Titanium disilicide formation by wide-area electron beam irradiation 4—51862
Moore, C.A. *see* Boyer, P.K. 4—50826
Moore, C.C., Gibson, J.D. Self-orthogonal convolutional coding for the DPCM-AQB speech encoder 4—31891
Moore, C.J. *see* Trakalo, M. 4—44569
Moore, D., Chaudiere, H., Cahill, B. Comparison of real-time analysis and time-delay spectrometry at two sound reinforcement projects 4—48649
Moore, D. *see* Maracas, G.N. 4—61379
Moore, D.F. *see* Beattie, R.W. 4—52505
Moore, E. *see* Wood, R. 4—44257
Moore, E.B. *see* Lange, D.J. 4—30484
Moore, G. Digital multimeters—it ain't what you do, it's the way that you do it? 4—55530
Moore, G.L. *see* Dandekar, A.J. 4—49422
Moore, G.M. Measuring aperture camera 4—50475
Moore, G.T. Unstable resonators for the free-electron laser 4—47476
Moore, G.T. *see* Fang Hong-lie 4—52828
Moore, G.T. *see* Gea-Banacloche, J. 4—52841
Moore, G.W., Sowers, J. Processing aperture blanks 4—58622
Moore, H. PLANET—an advanced data utility 4—60539
Moore, H.L. *see* Elliott, D.M. 4—62765
Moore, J. *see* Ross, D.P. 4—39981
Moore, J.A., Sokol, R.J. Magnetic sampler 4—29266
Moore, J.A. *see* Liu, W.-T. 4—41924
Moore, J.Scott *see* Scott Moore, J.
Moore, M. *see* Atashroo, M.A. 4—38102
Moore, M.J. *see* Mortimer, B.C. 4—43724
Moore, M.M. *see* Forman, A.V., Jr. 4—53826
Moore, P. Acceptance of microelectronics in the industrial environment 4—40818
Moore, P.W.B., Hall, R.W., Friedl, W.A., Nachtigall, P.E. The critical interval in dolphin echolocation: what is it? 4—54906
Moore, R. *see* Latta, M. 4—52209
Moore, R. *see* Smythe, R. 4—61561
Moore, R.A. *see* Haynes, J.T. 4—36985
Moore, R.A. *see* Kantor, M.E. 4—40036
Moore, R.A. *see* Krishnaswamy, S.V. 4—52365
Moore, R.J. *see* Booth, R.B. 4—36404
Moore, R.K. *see* Dome, G.J. 4—39713
Moore, R.L. Basic instrumentation lecture notes and study guide. Vol.1. Measurement fundamentals. Third edition 4—57728
Moore, R.L. Basic instrumentation lecture notes and study guide. Vol.2. Process analysers and recorders. Third edition 4—57729
Moore, R.L., Montgomery, J.P., Wells, T.B. Broadband measurements of permittivity and permeability 4—39291
Moore, R.L. *see* Wells, T.B. 4—44604
Moore, R.T., Geer, N.F., Graf, H.A. Gridnet: an alternative large distributed network 4—43755
Moore, S. Information managers must face the international communications web 4—54027
Moore, S., Pietkiewicz, S. Monolithic A-D converter interfaces directly with most microprocessors 4—58400
Moore, S.C., Doherty, M.D., Zimmerman, R.E., Holman, B.L. Improved performance from modifications to the multidetector SPECT brain scanner 4—56098
Moore, T. Wind power: a question of scale 4—49817
Moore, W.J. *see* Newman, H.S. 4—36075
Moore, W.R. A review of fault-tolerant techniques for the enhancement of integrated circuit yield 4—41721
Moore, W.R. Switching circuits for yield-enhancement of an array chip 4—51073
Moore, W.R., Day, M.J. Yield-enhancement of a large systolic array chip 4—46506
Moore, W.S. Radium isotope measurements using germanium detectors 4—56029
Moorer, J.A. Algorithm design for real-time audio signal processing 4—53718
Moorfoot, R. Home video versus cable and DBS in Europe 4—61090
Moors, F. Seismic behaviour of very high voltage current transformers 4—45469
Moors, P., Uittenbogaard, T.H. Wideband i.f. amplifier for satellite TV receiving systems 4—36039
Moorthy, P.A.K., Shivakumar, G.K. Growth of crystalline bismuth trisulphide films 4—29514
Moos, P. The sensitivity matrix of a digital-analog converter 4—51334
Moosbrugger, R. Saint Chrischona: historical and archaeological significance [geographical coordinates] 4—60659
Moose, R.L., Caputi, M.J. A convergence analysis of an adaptive underwater passive tracking system 4—60927
Mor, A., Gavril, S. Computational models and asynchronous performance of the hysteresis motor considering eddy-current effects 4—40281
Mor, A. *see* Gavril, S. 4—62562
Mor, F. The repair and adjustment of video equipment. II 4—48606
Mor, F. The repair and adjustment of video equipment. I. The basic operating principles and methods of setting up video recorders and replay equipment 4—55068
Mor, F. Repair and adjustment of video equipment. III 4—55071
Mora, P.G. *see* Amadesi, P. 4—32631, 4—32667
Morack, M.M. *see* Owen, E.L. 4—49960
Moraes, L.F.M.de *see* de Moraes, L.F.M.
Moraes, L.F.M.De *see* De Moraes, L.F.M.
Moraine, M. *see* Verrecchia, L. 4—38183, 4—43855
Morais, M., Levesque, P. Project Iris—a forerunner to national teletext services 4—32324
Moraite, G. *see* Manolescu, G. 4—56495
Morakis, J. *see* Lin, S. 4—31889
Morales, A. *see* Alvarez, I. 4—44677
Moran, J. *see* Frauenglass, E. 4—45974
Moran, J.A., Jr. *see* Murday, J.S. 4—45111
Moran, N. Birmingham gives promise of ideal [university computing utility] 4—32353
Moran, P.J. *see* Perry, D.M. 4—42272
Moran, P.L. The role of thick film in the interconnection of high pincount integrated circuits 4—36172
Moran, P.L. *see* Barrett, J.J. 4—41727
Moran, S. *see* Bar-Yehuda, R. 4—57916
Morand, P. *see* Guivarc'h, P.H. 4—49273
Morand, R. *see* Anderson, L. 4—55989
Morandi, C. *see* Fantini, F. 4—51072
Morandi, M. *see* Stefanutti, L. 4—61915
Morant, M. *see* Genon, A. 4—45544
Morant, M.M. *see* Legros, W.P. 4—42184
Morar, J.F., McFeely, F.R., Shinn, N.D., Landgren, G., Himpsel, F.J. Synchrotron photoemission investigation: fluorine on silicon surfaces 4—51999
Morar, J.F. *see* Himpsel, F.J. 4—56047
Moraru, A. Operating characteristics of the solid rotor synchronous compensator in a fast changing reactive load 4—62082
Morash, R.T., Barber, R.J., Roesel, J.F., Jr. Variable speed AC motor—a continuous pole printing technology 4—34631
Moravchik, J. *see* Ranghelli, J. 4—38734
Moravec, F. *see* Novotny, J. 4—30328
Moravec, T.J. *see* Cole, B.E. 4—42448
Moravora, H., Cihelka, J. Synthetic testing of HV circuit breakers 4—49990
Moravvej-Farshi, M.K. *see* Kalkur, T.S. 4—51994
Moraw, G. *see* Hofbauer, F. 4—56381
Morawetz, M. The configurable logic analyser 105-D 4—44465
Morawska, Z., Drzewiecka, S. Investigation of the technological properties of soldering oil 4—51644
Morawski, D. *see* Korneffel, B. 4—55482
Morbidi, P., Inghilesi, M. Recent developments in the measurement of vacuum 4—55740
Morche, B. *see* Andresen, K. 4—38058
Morck, F., Torgersen, E. When must transformers be replaced? Thermic lifetime of little practical interest 4—57115
Morcom, R. *see* Lodge, N. 4—32914
Morcos, M. *see* Anis, H. 4—34155
Mord, A.J. *see* Endsley, N.H. 4—53875
Mord, A.J. *see* Reitsema, H.J. 4—53835
Mordon, S. *see* Brunetaud, J.M. 4—49295, 4—49298
More, A. *see* Aprile-Giboni, E. 4—55812
Moreau, N. *see* Barral, H. 4—55357
Moreau, W.M., Patnaik, B. Thermo-chemical hardening of resist materials 4—30537
Moreau, Y., Manifacier, J.-C., Henisch, H.K. Properties of metal-semiconductor contacts. II. Numerical solutions for intrinsic material 4—36332
Moreau, Y. *see* Manifacier, J.-C. 4—51734, 4—51870
Morel, D.L., Stogryn, E.L., Ghosh, A.K., Feng, T., Purwin, P.E., Shaw, R.F., Fishman, C., Bird, G.R., Piechowski, A.P. Organic photovoltaic cells. Correlations between cell performance and molecular structure 4—50057
Morel, M., Houdion, P. Digital measurement and control of mill roll position 4—55222
Moreland, J., Drucker, J., Hansma, P.K., Kotthaus, J.P., Adams, A., Kvaas, R. Air as an adjustable insulator for C-V and G-V analysis of semiconductor surfaces 4—46873
Moreland, J., Hansma, P.K. Electromagnetic squeezer for compressing squeezable electron tunneling junctions 4—31060
Morello, C. *see* Dardo, M. 4—33671
Morello, S.A., Steinmetz, G.G. Flight management of advanced systems in the crew station 4—49407
Morely, L.A. *see* Novak, T. 4—56603
Morena, G.De la *see* De la Morena, G.
Morency, D.G. *see* Scheuerlein, R.E. 4—51248
Morendo, O. The number of information symbols of binary irreducible 3 error correcting Goppa codes is n-3m 4—43180
Moreno, A. *see* Diaz, T. 4—55883
Moreno, A. *see* Gamboa, I. 4—55936
Moreno, A. *see* Guel, S. 4—55902
Moreno, A. *see* Jacobson, I. 4—56219
Moreno, F.M., Pasupathy, S. Optimal trellis codes for MSK 4—31878
Moreno, J. *see* Fraile, J. 4—49321
Moreno, L., Vicini, P. Field trial results of 140Mb/s 16 QAM digital radio under multipath propagation 4—32663
Moreno, L. *see* Macchi, R. 4—32675
Moreno, L.J. *see* Crespo, L. 4—49815
Moreno, M. *see* Flores, R. 4—55900
Moreno, M. *see* Garcia-Fernandez, M.A. 4—49267
Morente, J.A., Gomez, R. Comments, with reply, on 'Antennas for Nonsinusoidal waves. I. Radiators' by H.F. Harmuth and S. Ding-Rong 4—31744
Morenza, J.L., Figueras, A., Varela, M., Esteve, J., Codina, J.M. Rheotaxial growth on indium thin films 4—29496
Moresco, M., Zilli, E. Focused aperture microwave antennas operating in the near field zone 4—47676
Moret, B. The rejection characteristics of a codec filter circuit at the change-over frequency 4—48324
Moret, E. *see* Chaubert, A. 4—56885
Moret, I. A note on Newton type iterative methods 4—57961
Moret, J.M. *see* Depeursinge, Y. 4—36848
Moret, M. *see* Talaat, H. 4—34108
Moretti, A. *see* Inguscio, M. 4—42567, 4—42571
Morettini, L. *see* Galloni, R. 4—34895
Morf, M. *see* Ang, P.H. 4—60111
Morf, M. *see* Krishnakumar, A.S. 4—53355, 4—53591
Morf, M. *see* Muravchik, C.H. 4—53351
Morf, M. *see* Peng-Huat Ang 4—53592
Morgan, A.E., Stacy, W.T., Ellwanger, R.C., Tamminga, Y. The growth of platinum nickel silicide by thermal anneal of an alloy film on silicon 4—51867
Morgan, B. Efficiency of screening of cables and connections 4—54612
Morgan, C.G. *see* Kin-Hung Wong 4—47428
Morgan, D. Techniques improve DAC's settling time 4—35880
Morgan, D.R., Aridgides, A. Adaptive array cancellation of multipath interference 4—60665
Morgan, D.R. *see* Tesic, M.M. 4—49156
Morgan, D.T. *see* Miskolczy, G. 4—40493
Morgan, D.V. *see* Ejimanya, J. 4—41901
Morgan, E. Random VIC [codes for radio] 4—48377

Morgan, G. Examples of system engineering in the EMP hardening of facilities and aircraft 4—37629
Morgan, G.B. Dielectric filters for short millimetre wave integrated circuits 4—41455
Morgan, G.B. Temperature compensated, high permittivity dielectric resonators for millimeter wave systems 4—46609
Morgan, H. Two-wire full-duplex modem simplifies voice and data networking 4—54491
Morgan, J.D. High voltage engineering—the role of universities: a discussion 4—45885
Morgan, J.D. *see* Abdullah, M. 4—30838, 4—30839
Morgan, J.G. The challenge of precisely positioning a 3D seismic survey 4—39692
Morgan, J.R. *see* Hill, D.J. 4—32858
Morgan, M. *see* Jansen, F. 4—41847, 4—61397
Morgan, M. *see* Mort, J. 4—37196
Morgan, M.A. Singularity expansion representations of fields and currents in transient scattering 4—47576
Morgan, M.G. *see* Calhoun, C. 4—50300
Morgan, N.H. *see* Gevins, A.S. 4—60127
Morgan, R.E., Chi, J.W.H., Pierce, B.L. Comparison of high power nuclear systems for space applications 4—39662
Morgan, R.J. *see* Schneider, G.T. 4—51329
Morgan, S.P. *see* Fraser, A.G. 4—47934
Morgan, T.J. Negative ion neutralization accompanied by excitation 4—44671
Morgan, T.J. *see* Schlachter, A.S. 4—44678
Morgan, T.L. *see* Bentley, R.E. 4—61339
Morgan, W.L. Technical effects of the crowded geosynchronous orbit 4—38564
Morgana, G. *see* Bullo, P. 4—29131
Morganti, F. What is the state of the electronics sector in Italy? The cases of Italtel and Sip 4—32147
Morgart, W. *see* McCoskey, J.S. 4—54653
Morgen, D. Station gear eases call handling snags [PBX multi-line developments] 4—32515
Morgen, D. A headset fit for office use 4—54473
Morgera, S.D., Garg, N.K. A distribution function approach to point target resolution 4—48505
Morgera, S.D., Sankar, R. Digital signal processing for precision wide-swath bathymetry 4—39715
Morgera, S.D. *see* Datta, L. 4—38092, 4—47835
Morgera, S.D. *see* Krishna, H. 4—53769
Morgon, J. *see* Nyaiesh, A.R. 4—41114
Morgue, M., Gabriel, A. Some performance characteristics of a new discriminator for X-ray position-sensitive detectors 4—49087
Morgun, Yu.F. *see* Agashkov, A.V. 4—42596
Morgunov, A.N., Nagornaya, N.I. Problems of processing laser Doppler velocity meter signals using an automatically controlled filter 4—61544
Mori, E. *see* Ueha, S. 4—56352, 4—61534
Mori, H. Examination of laboratory and field experiments concerning atmospheric environmental effects [of satellite power systems] 4—31652
Mori, H. Reactive power and its compensation 4—39798
Mori, H., Ando, S., Wakahara, Y., Norigoe, M., Fujioka, M., Oda, T. Performance evaluation of experimental international digital switching system 4—54542
Mori, H., Ikeda, Y., Matsumoto, J., Wakahara, Y., Watanabe, Y. System design of an international transit digital exchange controlled by microprocessor complex 4—54541
Mori, H., Takasu, Y. Silicon crystal films orientated by metal patterns on planar amorphous substrates 4—29487
Mori, H. *see* Akamatsu, N. 4—33851
Mori, H. *see* Soeda, A. 4—55022
Mori, H. *see* Takagishi, S. 4—29476
Mori, K. In-circuit board testers overcome shortcomings of man and machine 4—46680
Mori, K. *see* Hosono, T. 4—47285
Mori, K. *see* Kishimoto, A. 4—36776
Mori, K. *see* Matsui, S. 4—30524
Mori, K. *see* Suto, T. 4—57823
Mori, K. *see* Suzuki, K. 4—61276
Mori, L., Akiyama, J., Ichijo, T. Development of a practical simulator of the standard illuminant D65 using fluorescent lamps and its assessment with observer metamerism 4—62797
Mori, L., Tominaga, M. Evaluation techniques for TV pictures. II. Optical measurement of TV images 4—61568
Mori, M. *see* Okano, K. 4—54203
Mori, N. *see* Kikuchi, K. 4—32519
Mori, N. *see* Yamafuji, K. 4—31056
Mori, R.De *see* De Mori, R.
Mori, S. *see* Kato, H. 4—58806
Mori, S. *see* Minemura, H. 4—31083
Mori, S. *see* Muro, K. 4—51851
Mori, S. *see* Nikawa, Y. 4—44773
Mori, S. *see* Sasase, I. 4—43371, 4—53371
Mori, S. *see* Yamamoto, M. 4—58453
Mori, S. *see* Zheng, N. 4—29732, 4—58214
Mori, T. Space communications in Japan 4—32741
Mori, T., Hamaguchi, C., Shibatomi, A., Ryuzan, O. Hot electron effect in short n^+nn^+ GaAs 4—30319
Mori, T., Wada, Y., Murai, Y., Okada, H., Masuda, S. A new commutation-interruption method for low-voltage contactors 4—34797
Mori, T. *see* Fukuda, T. 4—56284
Mori, T. *see* Hasegawa, K. 4—29816
Mori, Y., Ikegami, K., Igarashi, Z., Takagi, A., Fukumoto, S. Optically pumped polarized H^- ion source at KEK 4—61630
Mori, Y., Ikegami, K., Takagi, A., Igarashi, Z., Fukumoto, S., Cornelius, W., York, R. Optically pumped polarized H^- ion source 4—61663
Mori, Y., Kaneko, K., Watanabe, N. MOCVD of GaAs-AlGaAs—homogeneous nucleation in the growth of AlGaAs 4—50828
Mori, Y., Nakayama, W. High-performance mist cooled condensers for geothermal binary cycle plants 4—49784
Mori, Y., Takashima, M. The quest for the ideal material in phonon cartridges 4—33067
Mori, Y. *see* Hayashi, Y. 4—35505
Mori, Y. *see* Nakamura, K. 4—51192
Mori, Y. *see* Sakata, I. 4—58752
Mori, Y. *see* Takagi, A. 4—61653
Moriarty, J.D. *see* Shapiro, L.G. 4—60208
Moricca, M. *see* Centro, S. 4—55849
Morichev, I.E. *see* Pletneva, N.I. 4—31192
Morie, T., Minegishi, K., Kimizuka, M., Nakajima, S. Depletion trench capacitor cell 4—42177
Morihiro, Y. *see* Takasago, H. 4—58655
Moriizumi, T. *see* Nomura, T. 4—44932
Morikawa, H. *see* Saburi, Y. 4—44198
Morikawa, K. *see* Kondo, H. 4—54470
Morikawa, K. *see* Okano, H. 4—31877
Morikawa, N., Urabe, S., Ohta, Y. The hydrogen maser atomic frequency standard 4—31261
Morikawa, N. *see* Kobayashi, M. 4—33417
Morikawa, T., Nakamura, T., Higashino, S., Saito, H., Furuno, T. A series of transistor-inverter-type small-capacity UPSs and power-system monitoring equipment using microprocessors 4—62624
Morikawa, T. *see* Hidaka, T. 4—59497
Morikawa, T. *see* Tominaga, S. 4—62320
Morillot, G. *see* Kazmierski, K. 4—41955
Morimatsu, Y., Tago, K., Maitoko, T. Correlation flowmeter (capacitance type) for pulverized coal 4—61301
Morimoto, A., Kobayashi, T. Laser diode 4—42659
Morimoto, A. *see* Kobayashi, T. 4—42539
Morimoto, M. Message from the space—recent development in radio astronomy 4—44199
Morimoto, M., Mogami, T., Okabayashi, H., Nagasawa, E. SiO_2 planarization by two step RF bias sputtering 4—30725
Morimoto, M. *see* Okabayashi, H. 4—58879
Morimoto, S. *see* Yamaguchi, T. 4—30764, 4—30783, 4—36829, 4—36877
Morimoto, T., Machida, K., Muramoto, S., Hosoya, T. MOS device characteristics by perfect planar technology 4—42176
Morimoto, T. *see* Ehara, K. 4—30770
Morimoto, Y. *see* Yokomizo, E. 4—50976
Morin, G., Do, X. Reduction of temporary overvoltages in EHV weak systems 4—45166
Morin, P., Simondet, F., Pineau, G. A field emission gun for high resolution Auger spectroscopy 4—30248
Morinaga, A. *see* Kurosawa, T. 4—42695
Morinaga, N. *see* Miyagaki, Y. 4—60705
Morinaga, N. *see* Wu, K.R. 4—43975
Morinaga, S. *see* Miyashita, K. 4—57087
Morinaka, A. *see* Yamazaki, H. 4—52538
Morini, A. *see* Montanella, F. 4—34572
Morini, M. Transmitters and receivers for fibre optics transmission networks 4—38593
Morini, M. Oscilloscopes with analogue and digital memories 4—39206
Morioka, M. *see* Katayama, Y. 4—30623
Morioka, T. *see* Masuyama, H. 4—34314
Moris, C. *see* Cortina, A. 4—49135
Moris, C. *see* Simarro, E. 4—49275
Morisaki, N. *see* Yamada, E. 4—56994
Morisawa, T., Hoshida, K., Ohyama, M. Telephone network-packet network interworking equipment 4—38195
Morisawa, T., Sasaoka, M., Miyabe, H. System design for voice storage service 4—54530
Morisette, S. *see* Boutin, N. 4—30035
Morishige, Y., Kishida, S., Washio, K., Toratani, H., Nakazawa, M. Output-stabilized high-repetition-rate 1.545-μm Q-switched Er:glass laser 4—37345
Morishige, Y. *see* Nakazawa, M. 4—31114
Morishita, M., Ida, T. Constant gap width control of magnetic levitation system by attractive force 4—40551
Morishita, S. A new Main Distribution Frame operational system 4—43878
Morishita, S. *see* Ebata, Y. 4—42218
Morishita, T. *see* Shuto, M. 4—53880
Morison, J.D., Peeling, N.E., Thorp, T.L. Hardware specification—a use for hardware description languages? 4—45949
Morissette, R.P. *see* Ganley, J.T. 4—49691
Morissette, S. *see* Boutin, N. 4—31991
Morissette, S. *see* Soumagne, J. 4—53527
Morisue, T. *see* Kikuchi, A. 4—47821
Morita, A. Electronic properties of black phosphorus 4—51766
Morita, H., Maeda, M., Yasuda, Y. A resolution conversion scheme for black-and-white images 4—32076
Morita, H. *see* Fujimori, H. 4—36998
Morita, K. Advanced computer control for electric power systems 4—39804
Morita, K. *see* Yoshida, T. 4—43964
Morita, M., Hirata, S., Mizoguchi, M., Akashi, H., Waki, M. Characteristics of polyesteramideimide enamelled wire 4—30142
Morita, M., Imamura, S., Tamamura, T., Kogure, O., Murase, K. Dry developable multilayer resist using direct pattern formation by electron beam-induced vapor-phase polymerization 4—41938
Morita, M., Ishihara, T., Hirose, M. Heating silicon dioxide at 950-1050°C in the presence of an NH_3+CF_4 plasma 4—52020
Morita, M. *see* Arahara, K. 4—36108
Morita, M. *see* Matsuda, Y. 4—50041
Morita, M. *see* Ueda, H. 4—46751
Morita, N. *see* Nishimura, E. 4—53265
Morita, N. *see* Nobuyoshi, T. 4—59215
Morita, S., Imai, S., Mikoshiba, N. Submillimeter-wave response in tunnel-type and bridge-type Josephson junction 4—37073
Morita, S. *see* Tamano, J. 4—30495
Morita, S. *see* Tanaka, H. 4—45690
Morita, Y. *see* Hagiwara, M. 4—59085
Moritani, K. *see* Shimoda, H. 4—57601
Moriya, F. *see* Kanzaki, T. 4—57465
Moriya, K., Ohsaki, T., Katsura, K. High-density multilayer interconnection with photo-sensitive polyimide dielectric and electroplating conductor 4—59011
Moriya, K. *see* Shighara, M. 4—54780
Moriya, S. *see* Kato, N. 4—52286
Moriya, T., Shima, S., Hazuki, Y., Chiba, M., Kashiwagi, M. A planar metallization process—its application to tri-level aluminium interconnection 4—36496
Moriya, T., Yamada, K., Shibata, T., Iizuka, H., Kashiwagi, M. Encroachment-free tungsten CVD process for self-aligned source-drain-gate metallization 4—30805
Moriya, T., Yamada, K., Tsunashima, Y., Nakata, S., Kashiwagi, M. A new encroachment-free tungsten CVD process with superior selectivity 4—42016
Moriya, T. *see* Anzai, H. 4—29435
Moriya, T. *see* Shima, S. 4—42140
Moriyama, H. *see* Imai, S. 4—55009
Moriyama, K. *see* Ushida, N. 4—56030
Moriyama, S. *see* Adachi, T. 4—50906
Moriyama, S.-i., Kawasaki, S., Nakamura, Y., Itoh, S. Shielding effect of helium vessel in calculating AC losses in superconducting magnets 4—37080
Moriyama, Y. *see* Endo, M. 4—41115
Moriyama, Y. *see* Matsuura, K. 4—56617
Moriyasu, S. *see* Nitta, T. 4—34612
Morizono, S. Development trends in LC- and EC-indicators 4—48969
Morizuka, K. *see* Watanabe, M.O. 4—30321
Morizumi, Y. *see* Tsutaki, K. 4—36190
Morke, U. *see* Farber, L. 4—62157
Morkoc, H. *see* Arnold, D. 4—30639, 4—36575, 4—36601
Morkoc, H. *see* Drummond, T.J. 4—41868
Morkoc, H. *see* Duh, K.H. 4—58927
Morkoc, H. *see* Fischer, R. 4—29478, 4—52101, 4—52987
Morkoc, H. *see* Henderson, T. 4—36393
Morkoc, H. *see* Hickmott, T.W. 4—41873
Morkoc, H. *see* Klem, J. 4—47358
Morkoc, H. *see* Lee, K. 4—36309, 4—52090, 4—58935
Morkoc, H. *see* Masselink, W.T. 4—51816, 4—58767
Morkoc, H. *see* Nathan, M.I. 4—51817
Morkoc, H. *see* Solomon, P.M. 4—52100
Morkoc, H. *see* Zhang, X.N. 4—52073
Morkrid, L., Ohm, O.-J., Engedal, H. Time domain and spectral analysis of electrograms in man during regular ventricular activity and ventricular fibrillation 4—44746
Morl, P. *see* Renger, W. 4—61934
Morlan, T. *see* Hopkins, F.E. 4—39977
Morley, L.A. *see* Trutt, F.C. 4—56686, 4—56687
Morling, R.C.S. *see* Neri, G. 4—43759
Morman, W.H. *see* Flink, H.G. 4—50503
Morochko, V.P., Fedorov, B.M., Andreev, V.D. Comparison of laser, electron beam, and argon arc welding of KhN68VMTYuK creep-resisting nickel alloy 4—62863
Morohashi, K. *see* Usami, S. 4—33615
Morokhov, P.V. *see* Gaisak, I.I. 4—49073
Morokhov, P.V. *see* Gornov, M.G. 4—61701
Morokhovets, M.A. *see* Gornov, M.G. 4—49081
Morooka, T. *see* Ueno, M. 4—37764
Morosanu, C.E. Physico-chemical study of the silicon nitride depositions on silicon 4—41093

Moroz, A.V., Feizulin, Z.I. Possible extension of Kirchhoff's approximation in problems of wave diffraction by transparent inhomogeneous objects 4−37568
Moroz, V.K. *see* Aleksandrov, I.N. 4−40232
Morozkin, V.P. *see* Tokarev, B.F. 4−34687
Morozov, A.I. *see* Belyaev, S.V. 4−62013
Morozov, G.M. *see* Maklakov, A.Ya. 4−61492
Morozov, V.N. *see* Bogatov, A.P. 4−42691
Morozov, V.P. *see* Basiev, T.T. 4−31365
Morozov, V.V. Convex solutions of cooperative games 4−46100
Morozov, V.V. *see* Arutyunyan, E.A. 4−37141
Morozova, E.A. Investigation of the spectral distribution of the intensity of the components of stimulated Raman scattering of light in condensed media 4−37457
Morozova, G.G. *see* Kistova, E.M. 4−41050
Morozova, I.P. *see* Zhidkova, E.V. 4−62700
Morozova, J.A., Neklepaev, B.N., Oswald, B., Pundt, H. Transient behaviour of the excitation system VGT-4500-500 during short-circuits at the generator block 4−45393
Morozova, V.D. *see* Shakhtarin, B.I. 4−58210
Morozovic, K. *see* Klikos, M. 4−60345
Morozumi, S., Nishiya, K., Hasegawa, J., Fujiwara, H. Optimal operation of dispersed energy storage units in electric power systems 4−57320
Morozumi, S., Oguchi, K., Ohshima, H. Latest developments in liquid crystal television displays 4−54990
Morpurgo, M. *see* Anderson, L. 4−55989
Morrell, F.R., Motyka, P. Unified analysis methods for a fault tolerant redundant strapdown inertial measurement unit 4−49415
Morris, A. Pricing and packaging the product: how research can help 4−55033
Morris, A.M. *see* Dormail, J. 4−30113
Morris, C.F. *see* Parks, T.W. 4−37991
Morris, D. The philosophy of bivalent systems using conventional fuels 4−50219
Morris, D. The philosophy of bivalent systems for new and existing buildings. II 4−57571
Morris, D. *see* Ellder, J. 4−60946
Morris, E.L. *see* Oliva, D.N. 4−40131
Morris, F.L. *see* Pultr, A. 4−46094
Morris, G.A. Database standards for videotex 4−54183
Morris, G.M. Scene matching using photon-limited images 4−38042
Morris, G.M. *see* George, N. 4−43406
Morris, G.M. *see* Hopkins, R.E. 4−31205
Morris, H.M. New controller distributes intelligent control to farthest ends of telemetry systems 4−60434
Morris, J. Electronic mail: the communications medium for the 1980s. I 4−43677
Morris, J. *see* Loughlin, C. 4−55079
Morris, J.F. Thermionic-energy-conversion implications of space-nuclear-reactor ultralloys 4−34949
Morris, J.F. Space nuclear reactor questions 4−40041
Morris, J.F. Ultralloys for nuclear thermionic conversion 4−40497
Morris, J.F. *see* Hsu, W.Y. 4−62179
Morris, J.F. *see* Jacobson, D.L. 4−34953
Morris, L. *see* Sarkozy, Z. 4−32775
Morris, N.M. Logic circuits. Third edition 4−29166
Morris, P.A. *see* Handwerker, C.A. 4−59102
Morris, P.B., Sloboda, R.S., Malik, M.H. Realising the SPECT capability of a rotating gamma camera: an alternative approach 4−49178
Morris, R. Some practical considerations in the design of sandwich transducers and their arrays [sonar applications] 4−39752
Morris, R. Satellites for communications and broadcasting: the evolving European market 4−60746
Morris, R.J.T., Wang, Y.T. Some results for multi-queue systems with multiple cyclic servers 4−47935
Morris, S. *see* Lydick, R. 4−50898
Morris, V.B., Jr. *see* Boenning, R.A. 4−45965
Morrish, A.J. EHT regulator output stage 4−34813
Morrison, A. *see* Hsu, G. 4−41088
Morrison, A.D. Sheet silicon cell/module technology 4−40476
Morrison, C. *see* Figueroa, L. 4−37388
Morrison, C.R., Hachtel, G.D. A preliminary report on generalized hierarchical channel and switch-box routing [for VLSI] 4−36799
Morrison, D.G. *see* Wall, N.D.C. 4−32998
Morrison, J. *see* Siskind, E.J. 4−33810
Morrison, J.B. *see* Mekjavic, I.B. 4−49119
Morrison, J.W. Local area networks and the micro−mainframe connection: the microcomputer networking solutions 4−60513
Morrison, R.E., Clark, A.D. Probabilistic representation of harmonic currents in AC traction systems 4−62748
Morrison, R.H. *see* Zavracky, P.M. 4−58594
Morriss, J.C. Music synthesis in the FORTH programming environment 4−33047
Morrissey, D.J., Nolen, J.A., Jr., Purcell, C., Tiedje, J.M. A gas proportional counter system for the detection of ^{13}N and other beta emitting gases 4−61675
Morrissey, D.J., Wernig, S.H., Blue, R.A. Fast timing with bismuth germanate 4−39473
Morrow, D.R. *see* Creason, R.R. 4−39282
Morrow, D.R. *see* Jordan, D.H. 4−61556
Morrow, M.N. *see* Pilkington, T.C. 4−49206
Morrow, R.A. Comment on 'Extended Wannier-Slater theorem for graded mixed semiconductors' 4−41807
Morrow, R.J. Simulators for electromagnetic environment synthesis 4−32856
Morrow, T. *see* Cunningham, D.G. 4−37447
Morse, R. 1983: America's pivotal year 4−48100
Morse, R. *see* Aprile-Giboni, E. 4−55812
Morse, T.F., Cipolla, J.W., Jr. Laser modification of thermophoretic deposition 4−31133
Morse, W. *see* Cheng, J.C. 4−40867
Morse, W.M. *see* Schmidt, M.P. 4−29946
Morshnev, S.K. *see* Zatykin, A.A. 4−42390
Mort, J., Jansen, F., Grammatica, S., Morgan, M., Chen, I. Field-effect phenomena in hydrogenated amorphous silicon photoreceptors [electrophotography application] 4−37196
Mort, J. *see* Jansen, F. 4−41847, 4−61397
Mortara, G. The advantages of safety and quality [electric lamps] 4−50199
Mortara, M.E., Leong, P.K. ICSSM−A computer-aided modelling and simulation tool for communication systems 4−32238
Mortara, M.E. *see* Wade, W.D. 4−37789
Mortazavi, P. *see* Luccio, A. 4−31432
Mortberg, B., Svensson, P. VIKING satellite thermal control analytical verification and test 4−44831
Morte, F., Peris, R., Vidal, E., Casacuberta, F. On the parametrization of speech signals using a microprocessor: the autocorrelation function. I 4−47806
Mortensen, B. *see* Ahm, P. 4−56487
Mortensen, R.E. *see* Bose, S.C. 4−43324
Mortier, H. A BASIC program simulates a PLL circuit 4−46293
Mortimer, B.C., Moore, M.J., Sablatash, M. Error-correcting and -detecting codes for the Canadian broadcast Telidon system 4−43724
Mortimer, N.D. *see* Harrison, R. 4−34260
Morton, P.A. *see* Ormondroyd, R.F. 4−47459
Morton, S.G. *see* Chang, H. 4−54522
Morton, T.P., Maresca, P.A. Small target detection by space-borne radiometry 4−38669
Moruzzi, G., Strumia, F. CH_3ON laser line assignments revisited 4−42569
Moruzzi, G. *see* Inguscio, M. 4−42571
Morvan, A. *see* Chauvel, Y. 4−54147
Morvan, D. *see* Meslage, J. 4−52786
Morvits, M. *see* Konakova, R.V. 4−36540
Mory, R. Preliminary results of the first Spacelab flight 4−56230
Morz, G. On the decoupling of orthogonally polarised waves in square waveguides 4−37694
Mosby, J.F., Squires, R.G., Rekliatis, G.V., Karimi, I.A. Purdue-industry joint development of chemical process engineering laboratory modules 4−35207
Moschetto, Y. *see* Brunetaud, J.M. 4−49295
Moschwitzer, A. *see* Hecker, W. 4−46402
Moschwitzer, A. *see* Rossler, F. 4−47134
Moschwitzer, A. *see* Schaarschmidt, J.S. 4−30772
Moschytz, G.S. *see* Mijat, N. 4−51422
Moschytz, G.S. *see* Studer, R.M. 4−33847
Moscicka-Grzesiak, H., Gorczwski, W. Conditioning of the HV electrodes used in vacuum by means of controlled emission current 4−46760
Moscony, J.J. *see* Maynard, R.B. 4−35302, 4−35303
Moscoso, P. *see* Fuhrer, P.T. 4−54534
Moscovitch, M., Horowitz, Y.S., Oduko, J. LiF thermoluminescence dosimetry via computerised first order kinetics glow curve analysis 4−33890
Mosel, H.J. Microcomputers and home terminals 4−54091
Moseley, G., Trautzl, G. A practical link to Ethernet 4−38303
Moseley, G. *see* Haung, H.-M. 4−59930
Moseley, P.T., Bridger, N.J. Lead-acid battery cathodes incorporating chemically prepared PbO_2 4−45597
Moseley, S.H., Mather, J.C., McCammon, D. Thermal detectors as X-ray spectrometers 4−61744
Moseley, S.H. *see* McCammon, D. 4−61745
Moselund K. Buying and selling of secondhand cars using a public videotex system 4−48123
Mosely, J. A new look at 70 mm sound 4−44354
Mosely, J. A new look at 70 mm sound: proposed revisions of magnetic sound tracks for theatrical release prints 4−48674
Moser, F. Present possibilities and limitations of heat pumps in the MW-range 4−45267
Moser, G. 3 V lithium back-up module for direct plug-in into circuit boards 4−62681
Moser, H.O. *see* Hagena, O.F. 4−44673
Moser, M. *see* Tiedt, N. 4−44704
Moser, R. *see* Imamura, M.S. 4−39674
Moser, R.L., Gingerich, D.E., Buchanan, E.E. Spacecraft automated electrical power subsystem simulator 4−34770
Moses, A.J. Factors affecting localised flux and iron loss distribution in laminated cores 4−49936
Moses, A.J., Hamadeh, S. Comparison of the Epstein-square and a single-strip tester for measuring the power loss of nonoriented electrical steels 4−33409
Moses, A.J. *see* Davies, D. 4−62581
Moses, A.J. *see* Higgs, C.R.G. 4−49937
Moses, H.E. *see* Cohen, J.M. 4−38727
Moshchanskii, V.A., Parabuchev, I.A. Engineering-geologic assessment of the Chalk Strata of the Taboa hydroelectric station on the Euphrates River with consideration of operating data 4−62426
Moshchinskii, Yu.A. *see* Becpalov, V.Ya. 4−40252
Mosher, P.J. *see* Mishra, B.B. 4−57673
Moshinskii, A.E. On matching an amplifier using input signals conversion [noise figure determination] 4−58176
Moshtev, R.V. On the electrochemistry of the nonaqueous lithium cell 4−34846
Moshtev, R.V. *see* Geronov, Y. 4−40378
Moshtev, R.V. *see* Manev, V. 4−57326
Moshtev, R.V. *see* Pistoia, G. 4−62692
Mosinski, F. On the volt-time characteristics of oil-paper insulation [transformer insulation] 4−62596
Moskalenko, G.A. *see* Shidlovskii, A.K. 4−45102
Moskalev, L.L. *see* Gurevich, V.M. 4−41085
Moskaleva, R.P. *see* Belyakov, Yu.S. 4−56544
Mosko, J.A. An introduction to wideband, two-channel direction-finding systems. I. General system overview, radiator, and arithmetic subsystems 4−48528
Mosko, S.W. *see* Jones, C.M. 4−33558
Moskowitz, I. *see* Waaben, S. 4−57306
Moskowitz, P.A. *see* Brady, M.J 4−52196
Moskvin, P.P. *see* Kuznetsov, V.V. 4−46228
Moslehi, B., Goodman, J.W., Tur, M., Shaw, H.J. Fiber-optic lattice signal processing 4−60200
Moslehi, B. *see* Newton, S.A. 4−52619
Moslehi, K., Wu, F.F. A method for bulk power system reliability evaluation based on local coherency 4−62061
Moslehi, M.M., Saraswat, K.C. Electrical characteristics of devices fabricated with ultrathin thermally grown silicon nitride and nitroxide gate insulators 4−30803
Mosley, J., Weitzel, S.D. LVI enable circuit 4−30067
Mosley, J. *see* Dorler, J.A. 4−51146
Mosley, J. *see* Rogers, D.L. 4−54746
Mosley, J.M. *see* Chan, Y.H. 4−46333
Mosley, J.M. *see* Dorler, J.A. 4−35805
Mosley, J.M. *see* Jordy, G. 4−51374
Mosley, L.E., Paesler, M.A. Electronic effect on crystallization growth velocities produced by charged dangling bonds in *a*-Si 4−46204
Mosquet, L. *see* Brunetaud, J.M. 4−49295, 4−49298
Moss, C. By hand or trencher ways to bury cable 4−49614
Moss, C.E., Bernard, W., Dowdy, E.J., Garcia, C., Lucas, M.C., Pratt, J.C. An array of germanium detectors for nuclear safeguards 4−44686
Moss, C.E., Tissinger, E.W., Hamm, M.E. Efficiency of 7.62 cm bismuth germanate scintillators 4−39429
Moss, C.E. *see* Hsu, H.H. 4−39446
Moss, D.J. *see* van Driel, H.M. 4−59308
Moss, J.N. *see* Gupta, R.N. 4−44803
Moss, J.R. British educational broadcasting is alive and−well? 4−60984
Moss, R. The arrow and the song [educational broadcasting] 4−45857
Moss, R.H. Adducts in MOVPE of III-V compounds 4−35483
Moss, R.H., White, E.A.D. MOVPE−current status for optoelectronic applications 4−58027
Moss, R.H. *see* Lyons, M.H. 4−35486
Moss, S., Lyman, P. The Canadians are coming [cable systems development] 4−48598
Moss, S.C. *see* Boggess, T.F. 4−53074
Moss, S.C. *see* Boyd, I.W. 4−46795
Mossberg, T.W. *see* Carlson, N.W. 4−42707
Mossberg, T.W. *see* Yodh, A.G. 4−52925, 4−53085
Mossman, P. Components for optical fibre systems 4−59222
Mostafavi, H., Shah, M. High speed implementation of linear feature extraction algorithms 4−53831
Mostkov, V.M. *see* Vasil'ev, A.B. 4−62430
Mostovnikov, V.A. *see* Apanasevich, P.A. 4−59584
Mostovoi, I.V. *see* Dolidze, R.V. 4−55132
Mostovyak, I.V. *see* Shidlovskii, A.K. 4−45102, 4−62146
Mostow, J. A decision-based framework for comparing hardware compilers 4−42111
Mostow, J. A decision-based framework for understanding hardware compilers 4−52255
Mostow, J., Balzer, B. Application of a transformational software development methodology to VLSI design 4−42112

Mostow, J., Balzer, B. A program-transformation approach to VLSI design 4—52256
Mostow, J. *see* Cuykendall, R. 4—42108, 4—52246
Mostrom, M.A. *see* Peratt, A.L. 4—30271
Mota, P., Rognon, J.P., Le-Huy, H. Digital position servo system—a state variable feedback system 4—57093
Mota-Palomino, R., Quintana, V.H. Decomposition methods for optimal load flow problems 4—39826
Mota-Palomino, R., Quintana, V.H. Node decomposition techniques for multiprocessing power system studies 4—44957
Mota-Palomino, R., Quintana, V.H. A penalty function linear programming method for solving power system constrained economic operation problems 4—56453
Motamedi, M.E. *see* Sankur, H. 4—59108
Motamedi, Z. *see* Le-Ngoc, T. 4—31833
Motegi, N. *see* Okajima, M. 4—37382
Motes, B.G. *see* Fernandez, S.J. 4—33903
Mothersole, D. *see* MacGregor, D. 4—58357
Mothes, W. *see* Doring, H. 4—29923
Motisuke, P. *see* Decker, F. 4—46898
Motoda, H., Yamada, N., Yoshida, K. Preliminary study of plant diagnosis through knowledge about systems descriptions 4—62304
Motoi, K., Nakagawa, Y., Suzuki, M. Automatic measuring system with GP-IB 4—55167
Motomitsu, T. *see* Kuwabara, N. 4—38424
Motomitsu, T. *see* Ohtsuki, F. 4—39934, 4—60629
Motomura, F. *see* Ishikawa, N. 4—32816
Motomura, K. *see* Naito, H. 4—31210
Motomura, Y. *see* Tagami, K. 4—30985
Motorin, S.V. *see* Lisitsyn, V.A. 4—52503
Motoyama, H. *see* Ooka, T. 4—55156
Motoyoshi, O. *see* Hara, T. 4—39800
Motoyoshi, O. *see* Yokokawa, S. 4—39801
Motschman, D.R., Randolph, J.B. Flexural cap for improved integrated-circuit module cooling 4—30216
Mott, N. Conductivity, localization and the mobility edge 4—36292
Mott, N.F. Transport of oxygen and water in oxide layers 4—30553
Mott, R. *see* Potukuchi, J. 4—32784
Motta, R.F. *see* Fujishin, E. 4—59046
Mottine, J.J., Reagor, B.T. Investigation of fretting corrosion at dissimilar metal interfaces in socketed IC device applications 4—41629
Mottram, D. *see* Howe, S.H. 4—57511
Mottram, K.G. *see* de Boer, B.T. 4—48373
Mottram, R.C., Mohammad, W.A. Frequency limits for gas flow pulsation damping criteria 4—55756
Motulevich, G.P. *see* Levchenko, I.S. 4—37050
Motwally, A. *see* Sobhi, M. 4—34366
Motyka, P. *see* Morrell, F.R. 4—49415
Motz, H. *see* Luchini, P. 4—52856
Motz, K., Nolting, E. Energy saving in brewing technology—development of screw-type vapour compressors to be used in breweries 4—50274
Mou-Tion Lee Reaction of high-silica optical fibers with hydrofluoric acid 4—31136
Mou-yan Zou *see* Zou Mou-yan
Mouel, B.Le *see* Le Mouel, B.
Mouftah, H.T., Bhatia, S. Design tradeoffs for local access systems in computer networks 4—38291
Mouftah, H.T. *see* Lam, Y.M. 4—32416
Mouissie, B. Practical tool for optical fibre end preparation 4—42336
Moujaes, S.F. Measurement of slurry concentration and flow rates in shell and tube slurry heat exchangers 4—35088
Mouline, K. *see* Bomy, D. 4—43984
Moulsley, T.J. *see* Vilar, E. 4—31665
Moulton, C.W. Information sources for semiconductor technology 4—46055
Moulton, P.F., Mooradian, A. Recent advances in transition-metal-doped tunable lasers 4—37352
Moulton, P.F. *see* Johnson, B.C. 4—31356
Mouly, M., Verhulst, D. Comparative study of some multiple access protocols for mobile radio systems 4—43495
Mouly, M.C.C., Ranganadha Rao, V. Effect of source antenna directivity on the performance of an anechoic chamber 4—59871
Mouly, M.C.Chandra *see* Chandra Mouly, M.C.
Mouly, V.S.R.K., Sridhara Rao, G., Subrahmanyam, V. Equivalent circuits for the skewed rotor induction motor 4—34643
Mountain, R. *see* Ruchti, R. 4—33680
Mountain, R.W. *see* Chiang, A.M. 4—58379
Mountain, R.W. *see* Downey, P.M. 4—33300
Mountain, R.W. *see* Graber, W.S. 4—59000
Mountain, R.W. *see* Tsaur, B.-Y. 4—52298
Mountford, G.E. *see* d'Assumpcao, H.A. 4—37916
Mountford, P.J., Pepper, M.G., Goldin, D. An online ultraviolet radiation monitoring system for control of photosensitivity test dose 4—33908
Mountford, S.J., Schwartz, J. Speech technology enhancements of automatic target recognition 4—44851
Moura, D. Classes of lightning arrestors as final protection for towers in medium voltage transmission lines 4—49642
Moura, J.M.F. A relation between discrete and continuous optimal nonlinear filters 4—43379
Mourikis, S. *see* Schulke, W. 4—55840
Mourou, G. *see* Valdmanis, J.A. 4—59266
Mourou, G.A. *see* Valdmanis, J.A. 4—37231
Mours, B. *see* Anderson, L. 4—55989
Moussiaux, J.J. The evolution of a solid state current meter for wave direction sensing 4—33989
Mousson, J.Y. *see* Muniesa, J. 4—41631
Moustakas, T.D. *see* Maruska, H.P. 4—45630, 4—59341
Moustakides, G.V., Thomas, J.B. Min-max detection of weak signals in ϕ-mixing noise 4—47825
Moutard, P., Laporte, P., Damany, H. Microchannel plate detector properties when equipped with an additional caesium iodide coated photocathode 4—39182
Mouton, A. The impact of CMOS LSI integration on voice and data networks 4—54075
Mouton, A. *see* Dunn, S. 4—43874
Movchan, S.A. *see* Abdushukurov, D.A. 4—61700
Movchan, V.V. *see* Brativnyk, Ya.G. 4—48436
Movshev, A.K. *see* Zolotov, A.V. 4—39315
Mower, M.M., Reid, P.R., Winkle, R.A., Watkins, L., Jr., Stinson, E.B., Griffith, L.S.C., Kallman, C.H., Mirowski, M. Reduced mortality after automatic defibrillator implantation 4—44786
Moy, M.Warfield *see* Warfield Moy, M.
Moye, R.L., Croswell, W.F. Antennas for direct broadcast satellite TV 4—31775
Moyer, B. *see* Browne, J.W., Jr. 4—35828
Moyer, C., Natenapit, M., Arajs, S. Particle capture by an assemblage of spheres in high-gradient magnetic separation 4—31618
Moyer, C.D., Escher, J.S. Junction current confinement limitation in high-radiance light-emitting diodes 4—52822
Moyer, D. *see* Cullen, M.A. 4—29930
Moyer, S.F. *see* Ross, D.G. 4—54778
Moyer, W.M. Angular windowing system for rotating equipment tests 4—48790
Moylan, W.J. Current limiting fuses: their fast action can be harmful 4—62667
Moynet, G. Development of nuclear electricity costs in France over the last ten years 4—49669
Moynihan, P.I. *see* Jaffe, L.D. 4—34521
Moz, L.S. *see* Onishchenko, G.B. 4—34979
Mozer, F. *see* Pedersen, A. 4—44904
Mozes, E., Meron, G., Rossie, J.P., Porter, R.M. A method of accounting for capacity losses in dry cooling economics 4—49773
Mozgalevskii, A.V. *see* Kalyavin, V.P. 4—38992
Mozharovskii, A.M. *see* Varnavskii, O.P. 4—31363
Mozos, J.R.De Los *see* De Los Mozos, J.R.
Mozyrskii, V.I. Current distribution in the presence of a single-phase short circuit in high-voltage distribution gear 4—45548
Mozzi, R. *see* Ayasli, Y. 4—30110
Mozzi, R. *see* Dormail, J. 4—30113
Mozzi, R.L. *see* Ayasli, Y. 4—36051
Mpeya, B.Mandoko na *see* Mandoko na Mpeya, B.
Mrazek, C.P., McCandless, S.W. A multi-look correlation auto-focus technique for synthetic aperture radar data 4—38668
Mrgan, D. *see* Ivsinovic, B. 4—56879
Mrha, J. *see* Jindra, J. 4—62689
Mrkvicka, O. Analysis of a three-phase fully controlled bridge, taking account of a hybrid model elaboration 4—50890
Mrowietz, C. *see* Kiesewetter, H. 4—61757
Mrozek, S. Development perspectives of power cables with polyethylene insulation 4—45118
Mrwa, A. *see* Verzimacha, Ya.I. 4—34887
Mu Kuo-kuang *see* Kang Hui 4—53793
Mu Le Trong *see* Le Trong Mu
Mu Ting-rong Forced vibrations of metal-piezoceramic thin composite circular plate excited with voltage 4—30842
Mu Ting-rong Forced vibrations of metal-piezoceramic thin composite circular plate excited with homogeneous pressure 4—30843
Mualla, W. *see* Ellis, J. 4—40803
Mucci, R.A. A comparison of efficient beamforming algorithms 4—47846
Mucci, R.A. An efficient procedure for broadband Doppler compensation 4—60895
Muccini, M. *see* De Ferra, P. 4—48363
Mucha, J.A. Trace analysis of moisture in integrated circuit packages using derivative diode laser spectrometry 4—58946
Mucha, J.M., Szytula, A., Wolny, J., Calka, A. Magnetic properties of $Ni_{78-x}Fe_xSi_{12}B_{10}$ amorphous alloys 4—47170
Muchichka, I.I. *see* Firtsak, Yu.Yu. 4—37190
Muchnik, G.F. *see* Astakhov, Yu.N. 4—44964
Muchnik, I.B. *see* Bauman, E.V. 4—50648
Muchnik, M.L., Parshin, G.D., Chernyak, E.Ya. High-power nanosecond pulse generator for copper vapor lasers 4—31434
Muchnik, M.L. *see* Zubov, V.V. 4—31330
Mucic, V. Heating new housing areas with district heat from central heat pump heating plants using single/dual agent heat pumps 4—62818
Muck, R. *see* Dobberstein, J. 4—39773
Muckersie, J.B., Young, R.P. Application of videotex in a manufacturing company 4—60451
Muckhachev, Yu.S., Tatarinov, V.S., Borzenko, S.Yu., Lipovchenko, A.L., Khrunov, V.S., Martynov, S.S., Kukushkin, V.M. Contribution of various capture centers to the polarization of diamond ionizing radiation detectors 4—61706
Muckli, W. Development trends of multifunction office terminals 4—54092
Mudgal, J.B. *see* Gopal, K. 4—46004
Mudge, S.G. *see* Williams, W.P. 4—34067
Mudge, T.N. *see* Rutenbar, R.A. 4—35770
Mudler, J. Using knowledge to monitor and control analyses of automatic speech recognition 4—31929
Mudrack, H., Reinhold, A., Quintenz, R. ISDN—a challenge 4—43906
Muecke, D. Lessons learned in building an international packet network 4—43744
Muehlhoff, H.-M. *see* Coon, D.D. 4—48903, 4—55462
Muehllehner, G. *see* Mankoff, D. 4—44717
Muehlner, D.J. *see* Bonyhard, P.I. 4—37037
Muehlner, D.J. *see* Nelson, T.J. 4—37036
Muehloff, H.-M. *see* Coon, D.D. 4—39187
Mueller, B. *see* Pomper, M. 4—51285
Mueller, C.E., Murphy, M.F. A survey of future Navy electrochemical power sources requirements/programs 4—40394
Mueller, D.A. *see* Krug, C.J. 4—62500
Mueller, H.A. *see* Ham, W.T., Jr. 4—56206
Mueller, L.W., Dubberke, L., Vogler, J. IUS-1—Redundant Inertial Measurement Unit test plan and results 4—49371
Mueller, M.W. *see* Hill, K.L. 4—51138
Mueller, O.M. *see* Hart, H.R. 4—49158
Mueller, P. *see* Caulfield, H.J. 4—59622
Mueller, P.F. *see* Caulfield, H.J. 4—53804
Mueller, R. *see* Baier, E. 4—51245
Mueller, R.P. *see* Fredericks, E.C. 4—51956
Mueller, W. *see* Kantz, D. 4—51244
Mueller, W.F. *see* Coneski, A.F. 4—40843
Muench, G. *see* Sellmyer, D.J. 4—30954
Muer, D.De *see* De Muer, D.
Muftakhov, A.M. *see* Sapel'nikov, V.M. 4—33425
Muftic, Dz., Ilijanic, V. Some opinions in optimization of complex earthing system using the program SIUZ 4—39917
Muggli, J. Modern signal transmission technology at emergency reporting installations 4—45923
Muggli, J., Wagli, P. Infrared technology applied to security systems 4—55464
Mugloiu, F.N. How to produce a current voltage converter with several outputs 4—35618
Muhammad, A. *see* Lacoste, R. 4—59059
Muhfid-zade, N.A. *see* Dzhuvarly, Ch.M. 4—57129
Muhlbach, L., Prussog, A. Video telephone in the living room? Results of an empirical investigation 4—60392
Muhlbauer, A. Degree of efficiency chains of various heat processes in industry viewed from physical, applied economical and energy economical aspects 4—45755
Muhlbauer, A., Schafer, J. Computer simulation of the electric circuit of the three-phase submerged arc furnace 4—50221
Muhlbauer, A. *see* Kamel, F.M. 4—40452
Muhlberg, M. *see* Gille, P. 4—50736
Muhlemann, A.P. *see* Loukakis, E. 4—50683
Muhlenbein, H., Limburger, F. Simulation of flow and congestion control algorithms 4—48281
Muhlhauser, H. The influence of present economic constraints on the design of conventional steam power plants 4—62377
Mui, P., Georganas, N.D. An 8086-based packet-voice simulator for local area networks 4—32414
Mui, P., Georganas, N.D. Performance evaluation of two multiple-access protocols 4—38279
Mui Truong quang *see* Truong quang Mui
Muir, J.A. *see* Weisz, S.Z. 4—52765
Muir, R.W., Specter, L.J. Hierarchical layout using a standard cell router 4—59003
Muir, T.G. Shallow water acoustics 4—33985
Mujahid, A. *see* Zakzouk, A.K.M. 4—34881
Mukai, K. *see* Kimura, S. 4—41106
Mukai, R., Sasaki, N., Iwai, T., Kawamura, S., Nakano, M. Indirect laser annealing of polysilicon for three-dimensional IC's 4—36868
Mukai, R., Sasaki, N., Iwai, T., Kawamura, S., Nakano, M. Single crystalline Si islands on an amorphous insulating layer recrystallized by an indirect laser heating technique for three-dimensional integrated circuits 4—41813
Mukai, R. *see* Kawamura, S. 4—36869, 4—52299
Mukai, S., Yajima, H. Analysis of mode behaviour in a waveguide with graded index and gain 4—52570
Mukai, S., Yajima, H., Mitsuhashi, Y., Yanagisawa, S., Kutsuwada, N. Liquid phase epitaxial growth of AlGaInPAs lattice matched to GaAs 4—35474
Mukai, S. *see* Rav-Noy, Z. 4—52084, 4—52114
Mukai, S. *see* Yajima, H. 4—59190

Mukai, T., Ikebe, H. Centralized supervision systems for power equipment in telephone offices 4—56486

Mukai, T., Sakamoto, K. Telecommunications power system reliability in NTT 4—56485

Mukai, T., Yamamoto, Y., Kimura, T. Optical direct amplification for fiber transmission 4—37131

Mukaidono, M. *see* Takeno, J. 4—34009

Mukaihara, H. *see* Kitazawa, T. 4—47644

Mukaimumine, K. *see* Hara, T. 4—39800

Mukari, T. *see* Tervonen, M. 4—58120

Mukawa, N., Kuroda, H., Kawanishi, H. Temporal subsampling methods in TV signal interframe coding 4—53408

Mukawa, N., Kuroda, H., Matsuoka, T. An interframe coding system for video teleconferencing signal transmission at a 1.5 Mbit/s rate 4—38886

Mukawa, N., Kuroda, H., Matsuoka, T. A 1.5 Mbit/s interframe code for video teleconferencing signals (TRIDEC 1.5) 4—44303

Mukawa, N., Kuroda, H., Okubo, S. A 6.3 Mb/s interframe coding system for video teleconferencing (TRIDEC 6.3) 4—32989

Mukawa, N. *see* Kuroda, H. 4—32940, 4—55008

Mukerjee, A.K. *see* Sharma, N.C. 4—55483

Mukhachev, A.I. *see* Kazantsev, V.N. 4—39783

Mukhametzyanov, N.K. *see* Shchelokov, Ya.M. 4—40644

Mukhedkar, D. *see* Fortin, J. 4—34242

Mukhedkar, D. *see* Loeloeian, M. 4—62240

Mukhedkar, D. *see* Sarmiento, H.G. 4—56701, 4—56709

Mukhedkar, D. *see* Velazquez, R. 4—56681

Mukherjee, A. *see* Gheewala, T.R. 4—37062, 4—41311

Mukherjee, B.K., Hanson, S.O., Fuerst, G.R., Monroe, C.A. Transformer tap position estimation—field experience 4—57123

Mukherjee, M.K., Mukherjee, P.K., Ghosh, A.K. Electronic fields in a charged toner layer on a photoreceptor and X-ray imaging 4—57652

Mukherjee, M.K. *see* Deb, S. 4—34878

Mukherjee, P.K. *see* Bhattacharyya, S.C. 4—45461

Mukherjee, P.K. *see* Mukherjee, M.K. 4—57652

Mukherjee, P.N. *see* Bhandari, R.K. 4—33611

Mukherjee, S.D. *see* Capani, P.M. 4—42049

Mukhopadhyay, A.K. *see* Sarkar, G. 4—46331

Mukhopadhyay, B.K. *see* Pandey, K.N. 4—39285

Mukhopadhyay, P., Maheshwar Rao, B.U. Preparation of single crystal films of magnetic bubble materials—rare earth yttrium iron gallium garnets by liquid phase epitaxy and their physical properties 4—58020

Mukhopadhyay, S.K., Joshi, S.N. Methodology for identification of critical equipment for preventive maintenance 4—50452

Mukhtasimov, F.N. *see* Valov, Yu.A. 4—29448

Mukku, V.N.R. A design for eliminating displacement currents in the air-earth current measurement 4—49451

Mukumoto, K., Fukuda, A. Delayed random access schemes—an improvement method of delay distributions for packet broadcasting systems 4—48539

Mukumoto, K., Nagashima, N., Fukuda, A. Centralized data collection systems via meteor burst 4—54454

Mukumoto, K. *see* Fukuda, A. 4—32140

Mukunda, M. *see* Eck, M. 4—40505

Mukunda Rao, M. *see* Avanashi Ligam, A. 4—39258

Mukundan, R. *see* Schilling, R.J. 4—40738

Mukunoki, T. *see* Furukawa, S. 4—38634

Mukunoki, T. *see* Kojima, N. 4—44092

Mularie, W.M. *see* Kruger, A.A. 4—42338

Mulawka, J.J., Pakulak, A. A switched-capacitor phase-locked loop employing current controlled oscillator 4—29730

Mulcare, D.B., Ness, W.G., Davis, R.M. Analytical design and assurance of digital flight control system structure 4—49376

Mulcay, M. A narrow-beam point to point microwave radio for DEMS applications 4—32688

Mulchandani, R. *see* Nambison, P.M.S. 4—57218

Mulder, H. *see* Smits, J.G. 4—48833

Mulder, J. *see* Oswald, W. 4—54488

Mulders, J.M. Algorithm for inverting lidar returns: comment 4—60913

Mulders, J.M. *see* ten Kate, H.H.J. 4—62572

Mulera, T., Perez-Mendez, V., Hirayama, H., Nelson, W.R., Bellazzini, R., Del Guerra, A., Massai, M.M. Drift collection calorimetry using a combined radiator and field shaping structure of lead glass tubing 4—33679

Mulera, T. *see* Hirayama, H. 4—39411

Mulera, T. *see* Lingel, K. 4—33683

Mulera, T.A. *see* Phillips, G.C. 4—39425

Mulgaonkar, P.G. *see* Shapiro, L.G. 4—60208

Mulgrew, B. The application of Kalman filtering to channel equalisation 4—53787

Mulhall, P.S. *see* Green, H.E. 4—60944

Mulhaupt, G. *see* Betz, H. 4—52158

Mulk, M.Z. *see* Hirano, K. 4—46580

Mulla, H. An experimental voice command system for PABX and automated office application 4—60611

Mulla, H.M. A PABX that listens and talks 4—43871

Mulla, J. *see* Dickey, T.E. 4—32583

Mullani, N.A., Gaeta, J., Yerian, K., Wong, W.H., Hartz, R.K., Philippe, E.A., Bristow, D., Gould, K.L. Dynamic imaging with high resolution time-of-flight PET camera—TOFPET I 4—33813

Mullani, N.A. *see* Wong, W.-H. 4—39530

Mullen, D.H. Data transmission techniques in measurement and control 4—32298

Mullen, R.W. Olympics necessity yields invention 4—47955

Muller, A. A contribution to the numerical solution of minimizing procedure 4—35413

Muller, A. *see* Becker, K. 4—38712

Muller, A. *see* Schiffer, F. 4—57825

Muller, A. *see* Szabo, G. 4—47431

Muller, B., Muller, H.J. Electrical cartridge fuses III. Service and function classes 4—57267

Muller, B., Stiefel, B. A quasi-linear signature analyzer 4—44476

Muller, B. *see* Stiefel, B. 4—44475

Muller, D. *(editor)* Dictionary of microprocessor systems in four languages, English, German, French, Russian 4—40694

Muller, E, Klein, H. The splitring loaded RF-cavity 4—55793

Muller, E. *see* Klein, H. 4—33599

Muller, E. *see* Trautsch, J. 4—50589

Muller, F. New radiopaging and mobile telephone services in Switzerland 4—60400

Muller, G. Network analysis on the basis of the trapezium rule by means of the discrete Fourier transform 4—41165

Muller, G. *see* Grundey, T. 4—55787

Muller, G. *see* Janzen, G. 4—36200

Muller, G. *see* Thumm, M. 4—36212

Muller, G. *see* Zhang, Z.X. 4—36199

Muller, G.F. *see* Anderson, G.D. 4—50133

Muller, H. Exhaust air ventilated windows in office buildings 4—40631

Muller, H. *see* Fischow, A. 4—56545

Muller, H. *see* Rippel, R. 4—35054

Muller, H.J. *see* Muller, B. 4—57267

Muller, H.-J. *see* Wittek, L. 4—34707

Muller, H.R. *see* Bux, W. 4—48250

Muller, H.R. *see* Meyr, H. 4—32436

Muller, I. *see* Popa, T. 4—56792

Muller, J. Telecommunication satellites 4—38534

Muller, J. Regulating international carriers—some Atlantic issues 4—43600

Muller, J. *see* Heitmann, J. 4—44281

Muller, K. *see* Hoffman, M.E. 4—57584

Muller, K. *see* Leemburg, T. 4—56817

Muller, K.D. *see* Arbel, A. 4—33905

Muller, M. Logic analysis in practice. VIII. Adaptive logic analysis 4—44478

Muller, M., Seidel, A., Lizon-Tati, J. Design and test of a cryogenic phase separator for zero-g environment 4—44812

Muller, M. *see* Kunev, N. 4—57464

Muller, M.B. Automatic control of carbon potential in gas hardening and nitriding furnaces by means of the oxygen sonde 4—35066

Muller, P., Lenggenhager, M. Microprocessor for telephone applications 4—35830

Muller, R. Narrowband absorption in optical resonators and their application for demultiplexing several wavelengths 4—31724

Muller, R., Mitzkus, A. On the suitability of mathematical models for describing the frequency behaviour of distributed RC-structures 4—46547

Muller, R., Pagnia, H. Water-influenced switching in discontinuous Au film diodes 4—30584

Muller, R. *see* Kupfer, J. 4—50464

Muller, R.S. New dimensions for integrated sensors 4—61365

Muller, R.S. *see* Howe, R.T. 4—33237

Muller, R.S. *see* Polla, D.L. 4—39166

Muller, W. LED number indicating components, VQE 11 and VQE 14 4—61470

Muller, W., Buckow, E. Numerical calculation of stationary waves in transformer windings by resonant stimulation 4—40302

Muller, W., Kramer, C., Krueger, J. Calculation of 2- or 3-dimensional linear or nonlinear fields by the CAD-program PROFI 4—31561

Muller, W., Pirrung, J., Schroder, B., Geiger, J. Preparation of low defect grade a-Si:H films by RF magnetron sputtering technique 4—58053

Muller, W., Wilhelm, M. Data logger for testing beds 4—61280

Muller, W. *see* Jacobus, A. 4—31576

Muller, W. *see* Knoblauch, A. 4—31587

Muller, W. *see* Novender, W.-R. 4—34575

Muller, W. *see* Schmitz, V. 4—46269

Muller, W. *see* Turos, A. 4—51798

Muller, W.B. *see* Lidl, R. 4—53442

Muller-Romer, F. Pay TV—future implementation possibilities in Western Germany 4—60961

Mullgrav, A.L., Jr. *see* Culican, E.F. 4—35918

Mullien, G.A. *see* Jamali, M.M. 4—60068

Mulligan, J.B. *see* McMain, A.T., Jr. 4—50265

Mulligan, W.J. *see* Byerly, J.L. 4—41772

Mulligan, W.J. *see* Kreischer, K.E. 4—36204, 4—41756

Mulligan, W.J. *see* Machuzak, J.S. 4—42562

Mulligan, W.J. *see* Woskoboinikow, P. 4—36206

Mullin, J.B., Royle, A. Surface oxidation and anomalous electrical behaviour of cadmium mercury telluride 4—30546

Mullin, J.B. *see* Irvine, S.J.C. 4—35485, 4—46218

Mullin, J.T., Willey, R.J. Effects of post-sinter cooling on Ti-substituted Mn-An ferrites 4—42238

Mullineux, N. *see* Musa, Z. 4—43694

Mullineux, N. *see* Reed, J.R. 4—31586

Mullinix, A.S. Rural networking alternatives 4—54565

Mullins, J.W. Message communications protocol for tactical satellite links 4—38560

Mullis, C.T., Roberts, R.A. Digital processing structures for VLSI implementation 4—51458

Mulvaney, J. *see* Flynn, M.J.. 4—49154

Mulvey, T. Recent developments in electron guns and detectors 4—58678

Mulvey, T. *see* Al-Nakeshli, I.S. 4—41794

Muly, J.-C. *see* Neirynck, J. 4—51423

Mummery, G.B. *see* Curtis, H. 4—62289

Mumprecht, E. *see* Janson, P.A. 4—54427

Mun, J. *see* Barker, G.K. 4—30089, 4—30119

Mun, J. *see* McKnight, A.J. 4—51408

Mun, S.K. *see* Houk, T.L. 4—49149

Mun Seong Ki *see* Seong Ki Mun

Munakata, C. *see* Honma, N. 4—51745

Munakata, K. *see* Endo, Y. 4—34193

Munakata, K. *see* Shibata, S. 4—61733

Munasinghe, H. Energy demand management and conservation policies for developing countries 4—29188

Munasinghe, M. Nonconventional energy project analysis and national energy policy 4—29176

Munasinghe, M. Engineering-economic analysis of electric power systems 4—39807

Muncal, R.J.H. Introduction to digital techniques. II. Binary logic circuits 4—29805

Munch, E. Reactors and pagodas [energy supply situation in Taiwan] 4—62286

Munch, P.H. An interactive IC design system for VLSI circuits 4—30713

Munch, P.H. Fast hierarchical layout compaction for VLSI circuits 4—58970

Munch, R.E. Preparation of flight dynamics support for the injection and positioning of geostationary spacecraft 4—44824

Munch, T. *see* Schaller, D. 4—34144

Munday, P.J. Spread spectrum techniques for security or reliability 4—43927

Mundel, A.B. *see* Godfrey, A.B. 4—29281

Mundie, L. *see* Huey, H. 4—36191

Muneyasu, M. *see* Hinamoto, T. 4—58459

Munier, B., Arques, M., Portmann, J., Reboul, J.-P. InSb infrared arrays with Si-CCD readout 4—55228

Munier, J.M., Ward, B. Conference circuit for a digital switching system 4—55078

Muniesa, J., Mousson, J.Y. Effect of measurement conditions on low-level contact resistance 4—41631

Munilla, I. *see* Bertran, E. 4—34680

Munjal, N.L., Varma, M. Application of cryogenic fluids to rocket technology 4—56250

Munoz, C. *see* Garci, N. 4—60264

Munoz, C. *see* Sanz, A. 4—53894

Munoz, E. *see* Izpura, J.I. 4—33426

Munoz, E. *see* Olabe, J.C. 4—53504

Munoz, M. *see* Martinez, P. 4—34519

Munoz Torralbo, A., Hernandez Gonzalvez, C., Ortiz Roses, C., Avellaner Lacal, J., Sanchez, F. A Spanish 'power tower' solar system: Project CESA-1 4—62462

Munoz-Yague, A. *see* Bafleur, M. 4—35489

Munoz-Yague, A. *see* Siskos, S. 4—46892

Munro, S. *see* Maine, R. 4—48270

Munroe, M.M. The effect of parameters on the performance of the flat-plate solar water heating system 4—45673

Munson, D.C., Jr., Sanz, J.L.C. Image reconstruction from frequency-offset Fourier data 4—53637

Munson, D.C., Jr., Sanz, J.L.C. The importance of random phase for image reconstruction from frequency offset Fourier data 4—53917

Munson, D.C., Jr., Strickland, J.H., Jr., Walker, T.P. Maximum amplitude zero-input limit cycles in digital filters 4—41496

Munson, D.C., Jr. *see* Higgins, W.E. 4—51431

Munstedt, H. From the computer fire alarm to the integrated building supervisory system 4—40781

Munte, H.J. *see* Korneffel, B. 4—55482

Munteanu, V., Zaharia, G., Goras, L. On the possibility of digital computing blocks synthesis by using the isomorphism in coding 4—29748

Munteanu, V. *see* Lucanu, M. 4—34810

Muntyanu, F.M. *see* Gitsu, D.V. 4—51808

Munz, W.D., Hofmann, D. Producing of hard, decorative, gold-coloured titanium-nitride layers by high-power cathode sputtering 4—29522

Munz, W.D. *see* Roll, K. 4—29525

Munzel, H., Albert, G., Strack, H. Vertical bipolar transistors on buried silicon nitride layers 4—52271

Munzenberg, G. *see* Hofmann, S. 4—56013

Munzer, B.-G. Multi-level interrupt in a 16-bit microprocessor system 4—29925

Munzer, H. *see* Assmann, W. 4—33592

Munzer, H. *see* Korschinek, G. 4—33591
Munzinger, K. *see* Poole, D. 4—45540
Muoi, T.V. Gigahertz bandwidth single-mode fiber recirculating delay line 4—52678
Muoi, T.V. Receiver design for high-speed optical-fiber systems 4—54755
Muoi, T.V. *see* Personick, S.D. 4—54796
Mur, G., Baan, J. Computation of the input impedances of a catheter for cardiac volumetry 4—49118
Mur, M. *see* Brand, C. 4—33639
Murabayashi, F. *see* Nakamura, S. 4—39878
Muradov, I.G. Simple thyratron switch for a Q switch 4—47493
Muradyan, A.Zh. *see* Arutunyan, V.M. 4—42704
Murai, F., Okazaki, S., Takeda, Y., Obayashi, H. Electron-beam direct writing technology for LSI wiring process 4—36747
Murai, H. *see* Kubota, K. 4—30404
Murai, M. *see* Kohashi, T. 4—60361
Murai, S. Topographic information processing 4—43443
Murai, S. The CASP computer-assisted stereoplotting system 4—49448
Murai, S. *see* Tokuda, T. 4—58376
Murai, Y. *see* Kashino, E. 4—62512
Murai, Y. *see* Mori, T. 4—34797
Murai, Y. *see* Yoshiyasu, H. 4—46752
Murakami, A. Biological effects of electromagnetic waves 4—33910
Murakami, A. *see* Futakawa, A. 4—35566
Murakami, A. *see* Hayashide, Y. 4—33681
Murakami, H., Hirata, M., Kudo, I. Thrust measurement of an ion engine system 4—33953
Murakami, H., Yamamoto, H. Performance of transform coding for carrier chrominance signals 4—37845
Murakami, H. *see* Saburi, Y. 4—44198
Murakami, H. *see* Shimoseko, S. 4—32729
Murakami, H. *see* Yamamoto, Y. 4—38193
Murakami, J. *see* Sakurai, M. 4—32958, 4—60091
Murakami, K., Ito, S. Measurements of rain attenuation at 12 GHz with the BSE 4—42857
Murakami, K., Itoh, H., Takita, K., Masuda, K. Substitutional nitrogen impurities in pulsed-laser annealed silicon 4—51973
Murakami, K. *see* Akahoshi, H. 4—58625
Murakami, K. *see* Matsuki, H. 4—39578
Murakami, K. *see* Takita, K. 4—41946
Murakami, K. *see* Yamaguchi, M. 4—52468
Murakami, L. Extra RAM for the VIC-20 4—46451
Murakami, M. *see* Matsunaga, M. 4—59894
Murakami, M. *see* Nishihara, A. 4—30014
Murakami, M. *see* Oshima, K. 4—44814
Murakami, N. *see* Ihokura, K. 4—48838
Murakami, N. *see* Yamashita, T. 4—40338
Murakami, O. Teleworking 4—48620
Murakami, S., Maeda, H., Imamura, S. Fuzzy decision analysis in the development of Centralized Regional Energy Control Systems 4—56805
Murakami, S. *see* Dote, Y. 4—57092
Murakami, S. *see* Shimizu, Y. 4—58893
Murakami, T., Asai, K. Vector quantizer for video signals 4—61038
Murakami, T. *see* Enomoto, Y. 4—38654, 4—48898
Murakami, T. *see* Hayashi, S. 4—62322
Murakami, Y., Yamashita, K., Ishihara, K. Designing the fiber unit for submarine optical fiber cable 4—38633
Murakami, Y. *see* Kawata, O. 4—38637
Murakami, Y. *see* Kishida, Y. 4—33154
Murakami, Y. *see* Kojima, N. 4—38631
Murakami, Y. *see* Noguchi, K. 4—38636
Murakhovskii, I.M. *see* Zabil'skii, V.V. 4—50857
Muraki, Y. *see* Hayashide, Y. 4—33681
Muraki, Y. *see* Nakamura, I. 4—61711
Murakoshi, M. *see* Takamizawa, K. 4—52212
Muralidharan, R. *see* Ganesan, S. 4—50091
Muramatsu, H. *see* Hoshino, Y. 4—62854
Muramatsu, Y. *see* Ueda, H. 4—47873
Muramoto, H. *see* Miyazawa, E. 4—57293
Muramoto, S. *see* Ehara, K. 4—30770
Muramoto, S. *see* Morimoto, T. 4—42176
Muranaka, N., Imanishi, S. Constructions of ternary flip-flop circuits 4—41328
Murano, K., Himuro, M., Watanabe, Y., Matsumoto, S., Nishigaki, S. A PLZT light shutter with low power consumption 4—52701
Murano, K. *see* Gambe, H. 4—32002
Murano, K. *see* Hayashi, T. 4—31709
Murano, K. *see* Himuro, M. 4—54999
Murano, K. *see* Mochida, Y. 4—32534
Murano, K. *see* Nishigaki, S. 4—51560
Murao, K., Kohda, T. A new approach to time series analyses of chaotic orbits in one-dimensional maps 4—50647
Murao, K. *see* Kohda, T. 4—43006
Murao, K. *see* Murashima, S. 4—59702
Murao, Y., Mihara, S., Kikuchi, M., Sase, R., Furuhashi, T. A high performance CMOS technology with Ti-silicided p/n-type poly-Si gates 4—36876
Murao, Y. *see* Kikuchi, M. 4—30812
Muraoka, K. *see* Okada, T. 4—42564
Muraoka, Y., Sakaguchi, T., Kikuchi, S., Isikawa, K. Data communication processing system 4—54042
Murari, K. *see* Goyal, V. 4—46012
Murarka, S.P. *see* Eizenberg, M. 4—46877
Murasaki, K., Maebara, A., Isobe, M., Fujiwara, M., Tanigaki, K., Misono, I. Development of a Japanese teletext system 4—48079
Murase, K. Properties and applications of a-Si-Ge-B 4—51800
Murase, K. *see* Fujiyasu, H. 4—51854
Murase, K. *see* Morita, M. 4—41938
Murase, K. *see* Takaoka, S. 4—30371
Murase, K. *see* Yamaoka, N. 4—51559
Murase, S. Private packet network for integrated services 4—32605
Murashima, S., Nonaka, Y., Yotsutani, S., Nieda, H., Murao, K. Applications of the charge simulation method to exterior problems of very narrow region 4—59702
Murata, A., Sagisaka, Y., Yamada, M., Neri, K., Sekine, Y. Six phasing of existing three phase double circuit transmission line 4—39890
Murata, A. *see* Okuda, T. 4—30968
Murata, E. *see* Hasegawa, T. 4—32498
Murata, H. Latest developments in the manufacture of single-mode fibers by VAD 4—52612
Murata, H., Satake, T. Insert molded single optical-fibre connectors using ceramic balls 4—31118
Murata, H. *see* Hatano, S. 4—59250
Murata, H. *see* Kawabata, T. 4—31254
Murata, H. *see* Nagasawa, S. 4—44096
Murata, H. *see* Yoshida, K. 4—44105
Murata, K. Monte Carlo simulation of electron scattering in resist film/substrate targets 4—30501
Murata, K., Harada, K. An improved AC triport without transients in the output voltage 4—56538
Murata, K. *see* Ishii, Y. 4—53089
Murata, K. *see* Maeda, J. 4—32013
Murata, M. *see* Miyazono, M. 4—54515
Murata, M. *see* Tanaka, K. 4—52700
Murata, S. *see* Kitamura, M. 4—47460, 4—52993
Murata, S. *see* Yoshiyasu, H. 4—46752
Murata, T. *see* Dorth, J. 4—32574
Murata, T. *see* Largen, C.L. 4—40963
Murata, T. *see* Matsumoto, S. 4—55010
Murata, T. *see* Yamada, E. 4—57051
Murata, T. *see* Zhehui Wu 4—40964
Murata, Y. *see* Masui, N. 4—42760
Muratani, T. SS/TDMA satellite communications system 4—32730
Muratani, T. Computer optimization of utilization of the geostationary satellite orbit 4—60800
Muratani, T. *see* Sakurai, K. 4—54032
Muravchik, C.H., Morf, M. Square root normalized feedback ladder algorithm for the identification of moving average systems 4—53351
Murav'ev, A.A., Rubinov, A.N., Ryzhechkin, S.A., Efendiev, T.Sh. Simple method for producing single picosecond pulses in a dye laser 4—59469
Murawska, E. An optical method of quality inspection of luminophores for high-pressure mercury discharge lamps 4—45743
Muray, J. *see* Tatchyn, R. 4—36378
Muray, J.J. Physics of ion beam wafer processing 4—51925
Murayama, A., Kashiwabara, M., Shoji, T., Oka, Y., Fujisaki, H. An apparatus for subnanosecond transient spectroscopy with a mode locked laser 4—59660
Murayama, H., Tanaka, F., Nohara, N., Tomitani, T., Yamamoto, M., Hayashi, T. Twin BGO detectors for high resolution positron emission tomography 4—39472
Murayama, H. *see* Kojima, T. 4—31148
Murayama, M. *see* Den, H. 4—56620
Murayama, M. *see* Nishimura, T. 4—58286
Murayama, Y. *see* Yanabu, S. 4—34794
Murday, J.S., Dominguez, D.D., Moran, J.A., Jr., Lee, W.D., Eaton, R. An assessment of graphitized carbon fiber use for electrical power transmission 4—45111
Murday, J.S. *see* Peebles, D.L. 4—37222
Murdin, J. *see* Steen, A. 4—56298
Murdoch, G.B. Role of the consulting engineer in hydro and pumped storage systems 4—56876
Murdock, B.J. Network digital standards as related to interoperability between CCITT North American, European, and government digital transmission hierarchies 4—32210
Murdzhikneli, G.G. *see* Merenkov, V.N. 4—48579
Mure-Ravaud, A. *see* Goure, J.P. 4—39340
Murfet, P. Comparator with hysteresis 4—41526
Murfet, P.J. Logic signal delay circuit 4—41436
Murgai, A. non-orbiting crystal puller 4—29444
Murgai, A. Reduction of contamination in a Czochralski process 4—29445
Murgai, A. *see* Giess, E.A. 4—37550
Murgas, J. *see* Vesely, V. 4—62114
Murgatroyd, W. *see* Piran, M. 4—34333
Murgu, M. *see* Zaharescu, A. 4—33125
Muriel, M.A., Pereda, J.A.M., Oton, J.M. Liquid crystals: electrooptic display devices. II 4—48974
Muriel, M.A. *see* Martin-Pareda, J.A. 4—52709
Muriel, M.A. *see* Martin-Pereda, J.A. 4—59278
Murina, T.A., Rozanov, N.N. Fluctuations in hybrid bistable optical devices 4—59608
Murina, T.M. *see* Zhekov, V.I. 4—31361
Murison, G.E. *see* Fickler, R.A. 4—35085
Murjahn, W. The trade association as a coordinating Btx umbrella for the specialist trade 4—54293
Murki, V.G.K. *see* Tay, E.W. 4—41462
Murkisch, A. *see* Clemens, J. 4—48613
Murley, P.C., O'Brien, R.R. Comments on 'Two-dimensional numerical analysis of impurity atom diffusion in semiconductors' by A. Buonomo and C. DiBello 4—51733
Muro, K., Mori, S., Narita, S., Hiyamizu, S., Nanbu, K. Cyclotron resonance of two-dimensional electrons in $Al_xGa_{1-x}As/GaAs$ heterojunction 4—51851
Muro, S. *see* Oie, Y. 4—60775
Murofushi, F., Aiki, K. Long wavelength semiconductor laser diodes and photodiodes for optical communications 4—59529
Muroi, T., Nakagawa, M. Injection locking to system with branching phenomena 4—41246
Murota, J. *see* Nakayama, S. 4—58044
Murota, J. *see* Ohfuji, S. 4—30570
Murota, J. *see* Takeuchi, H. 4—29546
Murota, K. Structural analysis of a large-scale system of equations by means of the M-decomposition of a graph 4—57976
Murota, K. *see* Habuka, T. 4—32701, 4—60706
Murota, K. *see* Ogose, S. 4—43977
Murotani, T. *see* Kajikawa, Y. 4—51822
Muroyama, S., Sakakibara, K., Yamashita, T. Transient voltage analysis of DC power distribution systems 4—56601
Muroyama, S. *see* Yotsumoto, K. 4—38163
Murphy, A.D., Kenney, A.G. Using robots to optimise automated PCB assembly 4—51649
Murphy, C.J. Low cost automatic plant load control 4—62406
Murphy, C.T. *see* Rameika, R. 4—33678
Murphy, C.T. *see* Wagoner, D.E. 4—33676
Murphy, D.P. *see* Dwyer, T.J. 4—31753
Murphy, D.W. *see* Johnson, D.W. 4—49764
Murphy, E. *see* Linde, H. 4—51952
Murphy, E.J., Commins, K.G. Improvement of radiation network and an analysis of the components of global solar radiation on a vertical south-facing surface 4—33983
Murphy, F.H. An introduction to the Intermediate Future Forecasting System 4—40774
Murphy, F.H. *see* Gass, S.I. *(editor)* 4—40717
Murphy, J.E. *see* Sakata, A.T. 4—62634
Murphy, J.V. *see* Bundrock, A.J. 4—47592
Murphy, K. The light brigade [fiber optics] 4—48468
Murphy, M.F. *see* Mueller, C.E. 4—40394
Murphy, M.J. *see* Van Bibber, K. 4—33672
Murphy, O.J., Bockris, J.O'M. Photovoltaic electrolysis: hydrogen and electricity from water and light 4—50021
Murphy, R.H. Reliability-growth programmes for undersea communication systems 4—54613
Murphy, S.F. *see* Poreda, S.J. 4—38659
Murphy, T. IBM users ring topology in LAN prototype 4—48177
Murphy, W.D. *see* Kraut, E.A. 4—36510
Murphy, W.J. *see* Staudenmann, J.-L. 4—56055
Murray, A.A.H. Variable area design grows to maturity [flowmeters] 4—33537
Murray, C.N., Stanners, D., Thiels, G.M., Bidoglio, G. An approach to the assessment of transuranic speciation in the geosphere 4—56000
Murray, C.N. *see* Freeman, T.J. 4—39727
Murray, C.R. *see* Dooley, P.K. 4—50267
Murray, D. *see* Plume, T. 4—44009
Murray, J. *see* Chen, S.-H. 4—60271
Murray, J.A., Jr. Platform distribution system specifications [time/frequency standards] 4—33424
Murray, J.P. *see* Hoover, R.A. 4—41308
Murray, J.R. *see* Goldhar, J. 4—52894
Murray, J.T. Sin/cos functions via approximations plus error compensation 4—41247
Murray, M.D. *see* Allen, J.C.J. 4—34077
Murray, M.W. Self modulation properties of miniature CO_2 TEA lasers 4—42568
Murray, N.D. *see* Hendricks, H.D. 4—60837
Murray, R.A. *see* Unruh, W.P. 4—39444
Murray, R.J., Gibson, R.W. A coherent digital demodulator for minimum shift key and related modulation schemes 4—58213
Murray, R.J. *see* Pollock, W. 4—52400
Murray, R.W. *see* Pickup, P.G. 4—47064
Murray, S.L. *see* Milsom, R.F. 4—52433
Murray, T.M., Jr. *see* Cramer, M.L. 4—62260
Murray, T.M., Jr. *see* Kaelin, T.J. 4—62779
Murray, W., Dencher, P. High-accuracy voltage transfer using a modified commercial solid-state reference 4—33394
Murray, W.E. Video display terminals: radiation issues 4—48738
Murrenhoff, H., Versteegen, C. Application examples of motor-controlled drives with the possibility of energy recovery 4—57397
Mursi, M.M., Saba, M. Circuit analysis on microcomputers 4—46300
Murtagh, F., Raftery, A.E. Fitting straight lines to point patterns 4—60212
Murthy, H.N. *see* Badari Narayana, K. 4—44813

Murthy, I.S.N. *see* Reddy, B.R.S. 4−49218
Murthy, K.A.Krishna *see* Krishna Murthy, K.A.
Murthy, K.M.S.Sundara *see* Sundara Murthy, K.M.S.
Murthy, K.R.S. A block free TDM-PAM architecture for small transit exchanges 4−54564
Murthy, M.S.R. *see* Hariharan, M.V. 4−45337
Murthy, P.L.N. *see* Rehfield, L.W. 4−58061
Murthy, R.S., Venkataratnam, L., Saxena, R.K. Application of remote sensing techniques for land evaluation and classification for agriculture 4−61995
Murthy, S.R.S. *see* Govil, R. 4−49067
Murthy, S.S., Berg, G.J., Jha, C.S., Tandon, A.K. A novel method of multistage dynamic braking of three-phase induction motors 4−49883
Murthy, S.S. *see* Gupta, J.R.P. 4−34645
Murthy, S.S. *see* Sabharwal, S.C. 4−39139
Murthy, S.S. *see* Singh, B. 4−62528
Murthy, S.S. *see* Tandon, A.K. 4−34655, 4−57046
Murthy, T.S.R. *see* Kamath, K.M. 4−36961
Murti, V.G.K. *see* Rehman, M. 4−48991
Murti, V.G.K. *see* Sankaran, P. 4−59150
Murty, A.S.Ramachandra *see* Ramachandra Murty, A.S.
Murty, M.V.R.K. Some optical schemes for display and demonstration 4−59291
Murty, Y.V.V.S., Dubey, G.K., Sinha, R.M.K. Fault diagnosis in three-phase thyristor converters using microprocessor 4−57222
Murugesan, S. Scheme adds leading-zero suppression 4−33155
Murugesan, S., Agrawal, V.K. Interval timer for integral cycle power control 4−51351
Muruqesan, S. Digital phase shifter with a wide dynamic range 4−58231
Murveit, H. *see* Bernstein, J. 4−53548
Murveit, H. *see* Kavaler, R. 4−53541
Murza, L.P. Vector Gaussian signals in digital communications. Amplitude and polarization coding 4−31871
Murzakov, A.G. *see* Dovganyuk, I.Ya. 4−40231
Murzin, A.G., Soldakova, N.A., Fromzel, V.A., Tsvetkov, A.D. Effect of optical inhomogeneity of the glass vitrification boundary on laser emission characteristics 4−59582
Murzin, A.G. *see* Aubakirov, R.G. 4−47444
Murzin, A.G. *see* Lunter, S.G. 4−47445
Musa, G. *see* Mustata, I. 4−42119
Musa, G. *see* Natase, L. 4−51722
Musa, I.G. *see* Allan, R.N. 4−34120
Musa, Z., Mullineux, N., Reed, J.R., Woodward, B. A simple problem in acoustic telemetry 4−43694
Musaev, E.K. *see* Bystrov, V.P. 4−56305
Musal, H.M., Jr. *see* Gregorwich, W. 4−39724
Musavi, M.T. *see* Narasimhamurthi, N. 4−56477
Muser, H.E. *see* Schmitt, H. 4−30847
Musgrave, G. *see* Harris, R.L. 4−58276
Musgrave, G. *see* Zheng, C. 4−29832
Musgrove, A.R.de L. *see* de L. Musgrove, A.R.
Musgrove, P.J. Developments in wind energy−a world review 4−34539
Musha, T. *see* Noguchi, Y. 4−42207
Musha, T. *see* Sekine, M. 4−53633
Mushamalirwa, D. *see* Germay, N. 4−62188
Mushiake, Y. *see* Hasegawa, M. 4−47287
Mushiake, Y. *see* Horiguchi, S. 4−42932
Mushiake, Y. *see* Yabe, H. 4−46614
Mushkat, E.B. *see* Pogrebnoi, A.I. 4−57453
Mushotzky, R.F. *see* McCammon, D. 4−61745
Music, O. *see* Bilalovic, F. 4−57031
Music, O. *see* Sabanovic, A. 4−57406
Musicus, B.R. *see* Johnson, R.W. 4−53726
Musikhin, R.N., Piskunov, E.M., Samarkin, A.A., Yurchenko, D.S. Water-chemical regime of a power complex with a fast reactor 4−62329
Musikhin, S.F. *see* Il'in, V.I. 4−58789
Mussalli, Y.G., Diaz-Tous, I.A. New developments and evaluations of condenser fouling controls 4−49771
Musser, J.M., Li, L., Boggs, G.J. A local area network as a telephone local subscriber loop 4−32364
Mussino, F. Centralized aerial systems [cable TV] 4−48602
Mussino, F. The reception of direct broadcast satellite TV signals in the 12 GHz band, using the C-MAC packet system 4−54960
Mussler, D. Travel agency bookings via Btx computer link 4−54299
Musso, A. *see* Bressani, T. 4−33695, 4−39427
Musson, D. Prestel and the residential market 4−48169
Musson, T.A. *see* Goree, P.F. 4−46029
Mustaev, P.T. *see* Epifanov, M.S. 4−45660
Mustafa, G.M. Search for periodic conditions in circuits with switches by an integral equations method 4−40315
Mustafa, H. *see* Clearwaters, W. 4−61954
Mustafaev, N.B., Shakhtakhtinskii, M.G. Thermopower of a thin Bi film in a classical strong magnetic field 4−51757
Mustapic, M. *see* Ruzinski, N. 4−40668
Mustata, I., Betiu, N., Cristea, G., Lungu, C.P., Musa, G. Plasma etching device for microelectronic circuit 4−42119
Mustel', Ye.R. *see* Dianova, V.A. 4−51716
Muszalski, Z. Conductance of current through a sliding contact in electrical machines 4−51577
Muszynski, R. Excitation control of synchronized induction motors in shock-variable loads case 4−34667
Mut, G.Dal *see* Dal Mut, G.
Muta, K. *see* Kojima, T. 4−31148
Muta, T. *see* Hori, Y. 4−44620
Mutchler, G.S. *see* Phillips, G.C. 4−39425
Muthu, C. *see* Shanmugasundaram, A. 4−57038
Muthu, K. *see* Arul Raj, I. 4−34871
Mutluay, H.E., Fahmy, M.M. Recursibility of *N*-dimensional IIR digital filters 4−47831
Muto, S. Symmetric solutions for symmetric games with large cores 4−29337
Muto, S., Ito, C., Inaba, H. Continuously tunable energy transfer laser operation in four-dye mixture systems 4−59456
Muto, S., Nagashima, H., Nakamura, K., Ito, C., Inaba, H. Improvement of efficiency of N_2 laser-pumped infrared dye lasers through energy transfer excitation 4−59457
Muto, S. *see* Yokoyama, N. 4−47025
Muto, Y. *see* Okajima, M. 4−37382
Mutoh, N. *see* Fujiwara, E. 4−58261
Mutschler, P. *see* Best, J. 4−50144
Mutsuura, F. *see* Ichimura, M. 4−57585
Mutter, P.J. *see* Humphreys, D.Q. 4−57649
Mutton, J.E., Prance, R.J., Clark, T.D. Solutions of the Schrodinger equation for a superconducting weak link constriction ring 4−59169
Muukari, P. *see* Alahuhta, T. 4−50266
Muzafarova, S.A. *see* Azimov, S.A. 4−57342
Muzafarova, S.A. *see* Mirsagatov, Sh.A. 4−57343
Muzek, Z. *see* Corak, D. 4−44985
Muzhen Huang *see* Huang Muzhen
Muzheng Huang *see* Huang Muzheng
Muzik, J. *see* Kucharski, M. 4−33353
Muzio, J.C. *see* Eris, E. 4−29766
Muzutani, G., Nagasawa, N. A study on the optical nonlinearity due to the Z_3 and $Z_{1,2}$ excitons of CuCl by the reflected four-wave mixed light generation 4−42702
Muzychuk, O.V. *see* Medvedev, S.Yu. 4−51010
Myalkovskii, V.M. *see* Makhsudov, A.U. 4−33721
Myamlin, A.H. *see* Drozhzhinov, V.I. 4−32469
Myasnikov, A.G. *see* Belousova, T.Ya. 4−49072
Myer, T.H. Standards for global messaging: a progress report 4−32358
Myers, B.L., Enrick, L., Redmond, R.T., Lindgren, J.H. A Monte Carlo approach for the solution of the simple quadratic and cubic self-avoiding random walk 4−29344
Myers, C., Oppenheim, A., Davis, R., Dove, W. Knowledge based speech analysis and enhancement 4−60008
Myers, D.D. Technological innovation and entrepreneurship from the human side 4−57743
Myers, D.J., Ivey, P.A. STAR−a VLSI architecture for signal processing 4−46587
Myers, D.J., Ivey, P.A. Circuit elements for VLSI signal processing 4−53608
Myers, D.R., Biefeld, R.M., Fritz, I.J., Picraux, S.T., Zipperian, T.E. Be-implantation doping of $GaAs_xP_{1-x}$/GaP strained-layer superlattices 4−41947
Myers, D.R., Wiczer, J.J., Zipperian, T.E., Biefeld, R.M. An ion-implanted Ga(AsP)/GaP strained-layer superlattice photodetector 4−59343
Myers, D.R., Zipperian, T.E., Biefeld, R.M., Wiczer, J.J. Ion-implanted strained-layer superlattice device 4−36546
Myers, D.R. *see* Roitman, P. 4−46929
Myers, G. *see* Wohlschlegel, M.V. 4−49765
Myers, G.D. *see* Scott, M.W. 4−59386
Myers, J.C. An automated anechoic chamber production test facility 4−44423
Myers, K.N. Performance of a staring infrared mosaic sensor against a high reflectance background 4−61249
Myers, L. Tackling carrier access billing 4−60297
Myers, M.H., Korgel, C.C. Algorithm implementation in a tactical communication brassboard processor 4−49394
Myers, R. *see* Apsey, M. 4−43663
Myers, R.M. *see* Ayre, C.A. 4−33763
Myers, T.H. *see* Bicknell, R.N. 4−41047
Myers, W.V. *see* Anderson, P.M. 4−55539
Myerson, R.B. Cooperative games with incomplete information 4−46096
Mykkanen, C.F., Blinde, D.R. The Room Air Ionization System−a better alternative than 40% relative humidity 4−57582
Myles, R. Remote monitoring systems for FDM networks 4−33127
Myllyla, R. *see* Manninen, M. 4−55689
Myl'nikov, G.D. *see* Bobrovskii, A.N. 4−42558
Mymrikova, N.N. Spectral analysis of the nonlinear transformation of nonperiodic signals in an O-type TWT 4−30272
Mynard, J.E. *see* Hemment, P.L.F. 4−36446
Myokan, I. *see* Shindo, M. 4−29516
Myrabo, A.L. *see* Glesius, F.L. 4−34338
Myrabo, L.N., Powell, J.R., Botts, T.E. Concepts for space nuclear multimode reactors 4−40040
Myrabo, L.N. *see* Rosa, R.J. 4−34368
Myrdal, G. *see* Dahlin, H. 4−44771
Myrzin, V.I. *see* Andreev, V.M. 4−45661
Mysak, I.S., Zhelunitsyan, G.I. Experimental study of variable-pressure conditions in types TGMP-314 and TPP-312 boilers for 300 MW power units 4−56831
Mysak, I.S. *see* Prokopenko, A.G. 4−40074
Mysenko, I.B. *see* Bilenko, D.I. 4−30369
Myshenko, V.V., Peskovatskii, S.A., Shulga, V.M. A 3-mm maser 4−37253
Mysik, A.M. *see* Filonov, N.G. 4−46999
Myslik, J. Diakoptical analysis of the networks considering the changes of branch impedances 4−50875
Mysliwiec, H. Btx as a business medium in building societies 4−54287
Mysovskii, S.N. *see* Martynovich, E.F. 4−42597
Mytsyk, G.S., Shevyakova, N.B. A minimum distortion approximation of a monoharmonic signal 4−36002
Myung Ki Kim, Soon Heung Chang The common mode failures analysis of the redundant system with dependent human error 4−40023
Myung-Hwan Oh, Yong-Moo Kwon, Hong-Seok Kim State-of-the-art in precise measurement and instrumentation technologies 4−61174
Myznikov, Yu.F. *see* Adushkin, A.V. 4−42559
na Mpeya, B.Mandoko *see* Mandoko na Mpeya, B.
Naar, C. *see* Gregorwich, W. 4−39724
Nabae, A. *see* Akagi, H. 4−40247, 4−56953, 4−57162, 4−57224
Nabae, A. *see* Nakano, H. 4−40246
Nabereit, H. A noise generator for system tests 4−33324
Naberhuis, S. *see* Birecki, H. 4−52713
Nabeshima, I. On sufficient optimality conditions with convex parameter in three-machine flow-shop makespan problem: a supplement to part XI 4−50480
Nabeshima, I. Notes on the analytical results in flow shop scheduling. XXII. Weaker sufficient optimality conditions for a specified sequence ω_2 in Parts II and VIII 4−50481
Nabeta, E. *see* Yasuhara, T. 4−61300
Nabetani, S., Uchida, K., Hagiwara, T. 5 V only 64 kbit electrically erasable and programmable ROM 4−58322
Nabeyama, H. *see* Matsuda, T. 4−58252
Nabijovici, A. Considerations for the use of bypass equipment in power plant schemes 4−56803
Nabok, A.V., Nesterenko, B.A., Shirshov, Yu.M., Goltvianskii, Yu.V., Dubchak, A.P. Profile of trapped charge in silicon nitride films in MNOS structures 4−30443
Nabok, A.V. *see* Shirshov, Yu.M. 4−36361
Naccache, N.J., Shinghal, R. SPTA: a proposed algorithm for thinning binary patterns 4−60182
Naccarato, E. *see* Graupe, D. 4−56147
Nachbauer, W., Schumicki, G., Schaumburg, H. Investigation of polysilicon implantation under thermal and laser annealing 4−36459
Nacher, G. Demands on the technical infrastructure by a programme arranger [TV] 4−54949
Nachev, G., Petkov, B., Blagoev, L. Data processing problems for gas metal arc (GMA) welder 4−57616
Nachev, G., Petkov, B., Blagoev, L., Tsankarski, I. Adaptive gas metal arc (GMA) welder 4−57615
Nachev, I., Velchev, N. Effect of neutral scatterers on electron mobility in silicon (100) inversion layers 4−36340
Nachlas, J.A., Gruber, S.S., Wiesel, H.Z. Sensitivity in Weibull system reliability models 4−46049
Nachman, M., Turgeon, G. Heating pattern in a multilayered material exposed to microwaves 4−44774
Nachman, M. *see* Bacal, M. 4−61648
Nachshon, Y., Tittel, F.K., Wilson, W.L., Jr., Nighan, W.L. Efficient XeF($C \rightarrow A$) laser oscillation using electron-beam excitation 4−47413
Nachtigall, P.E. *see* Moore, P.W.B. 4−54906
Nackeeran, N. *see* Sandanadurai, R. 4−50673
Nacuta, V. Adapting an ATE system for high-current tests 4−39132
Nad, M. The MHB8708C and MHB8608/XYZ memory integrated circuits 4−46474
Nadami, T. *see* Ohki, T. 4−55386
Naden, J.M., Weiss, B.L. Ion-implanted integrated optical waveguides in lithium niobate 4−42409
Naden, J.M. *see* Shail, R. 4−37093
Nadezhdinskii, A.I. *see* Kosichnik, Yu.V. 4−47494
Nadkarni, D.M. *see* Govil, R. 4−49067
Nadtochii, V.M. *see* Biryuleva, T.B. 4−40209
Naemura, K. Data Communication Network Architecture 4−32408
Nafalski, A. *see* Yamada, S. 4−45527
Nafikov, Yu.I. The directional properties of passive reflector-type repeaters 4−31755

Nafornita, M. A new formula for computing the reactive power, for non-sine periodic wave using harmonic analysis 4—62256
Nag, B.R. *see* Basu, P.K. 4—51784
Nag Sarkar, T.K. *see* Rao, C.S. 4—45425
Naga, M. *see* Nakamura, T. 4—51170
Nagabhooshanam, M. *see* Rao, S.R. 4—30334
Nagahashi, H. *see* Nakatsuyama, M. 4—55306
Nagahashi, Y. *see* Kurihara, N. 4—55190
Nagai, H. Status of injection laser development in the 1.2-1.6 μm wavelength region 4—60830
Nagai, H. *see* Matsuoka, T. 4—31374
Nagai, H. *see* Suzuki, Y. 4—42621
Nagai, H. *see* Toba, H. 4—38611
Nagai, K. Fourier domain reconstruction of synthetic focus acoustic imaging system 4—53638
Nagai, K., Hayashi, Y. Field controlled charge trapping in tunnel oxides 4—36339
Nagai, K. *see* Ikeda, S. 4—32954
Nagai, K. *see* Kawanami, H. 4—59258
Nagai, N. *see* Miyanaga, Y. 4—51452, 4—59955
Nagai, N. *see* Suzuki, M. 4—41491, 4—41504, 4—46585
Nagai, N. *see* Watanabe, H. 4—29332
Nagai, S. *see* Ashiya, M. 4—62753
Nagai, T., Nakamura, N. Application of microcomputer to control unit of automatic WHM test equipment (type SA-I) 4—61190
Nagai, T., Yamamoto, K., Kobayashi, I. Rapid response SiC thin-film thermistor 4—51554
Nagaki, Y. Need grows for accurate measurement for optical fiber communication 4—54769
Nagaki, Y. The development of optical measuring instruments 4—60873
Nagakubo, Y. *see* Tanaka, S. 4—51233
Nagakura, M. *see* Yamamoto, H. 4—59137
Nagamatsu, Y. *see* Nakamura, K. 4—52037
Nagamine, K. *see* Nakayama, N. 4—47342
Nagamune, A. *see* Koyanagi, M. 4—62878
Nagamuthu, N., Swamy, M.N.S. On the transformation design of half-plane 2-D recursive digital filters using spectral factorization 4—30031
Nagamuthu, N., Swamy, M.N.S. Spectral transformation design of 2-D recursive digital filters—a review and new results 4—35976
Nagano, I. *see* Mambo, M. 4—44914
Nagano, K., Yagita, H., Tamura, A., Uenoyama, T., Tsujii, H., Nishii, K., Sakashita, T., Onuma, T. High-speed and low-power GaAs DCFL divider 4—46414
Nagano, K. *see* Doke, T. 4—55963
Nagano, O. *see* Suzuki, N. 4—44104
Nagano, S. *see* Hanita, A. 4—56934
Nagao, A., Yamada, K., Itoh, Y., Umemoto, T. Introducing the X-28 capacity into the VENUS-P system 4—43853
Nagao, S., Yoshihara, T., Akasaki, Y. A 64K-bit full CMOS RAM 4—29872
Nagao, S. *see* Sawa, K. 4—31253
Nagao, T. *see* Kaminuma, K. 4—44907
Nagao, T. *see* Watanabe, Y. 4—55282
Nagaoka, S. Study on the height estimation accuracy of a radar for navigation accuracy measurement 4—44162
Nagaoka, S. Estimating the pressure altitude of aircraft by radar 4—49439
Nagaoka, S., Nishi, I. Small size optical switch using magnetic alloy coated fiber 4—54781
Nagaoka, S., Tanda, O., Kiuchi, M., Ishii, N., Kurata, J. Development of conductor with lowered corona noises for overhead power transmission lines 4—34202
Nagaraj, K. Switched-capacitor delay circuit that is insensitive to capacitor mismatch and stray capacitance 4—51411
Nagaraj, K., Ramkumar, K. A frequency doubler for rectangular inputs 4—30066
Nagaraj, K., Ramkumar, K. Switched-capacitor oscillator avoiding the use of large capacitor ratios 4—41458
Nagaraja, M.L. *see* Marx, J.A. 4—34384
Nagaraja, S.K. *see* Rajaraman, K. 4—50148
Nagaraja Rao, C.K. *see* Juliana, M. 4—34898
Nagarajan, A. *see* Gartner, H.M. 4—42144
Nagarajan, V., Chidambara, M.R. Tracking a maneuvering target in clutter—a new approach 4—60887
Nagarajan, V. *see* Boiarski, A.A. 4—44646
Nagarkar, M. *see* Mahalingam, M. 4—57848
Nagarkar, V.V. *see* Balwe, T.K. 4—33730
Nagasaka, K. *see* Tashiro, H. 4—37294
Nagasawa, E. *see* Morimoto, M. 4—30725
Nagasawa, E. *see* Okabayashi, H. 4—58879
Nagasawa, H. *see* Schulke, W. 4—56062
Nagasawa, K., Tanabe, M., Yahagi, K., Iino, A., Kuroha, T. Gamma-ray induced absorption band at 770 nm in pure silica core optical fibers 4—42340
Nagasawa, N. *see* Muzutani, G. 4—42702
Nagasawa, S., Murata, H. Multi-glass-rod optical-fiber splicers and connectors made by drawing technique 4—44096
Nagasawa, S., Sankawa, I. Reliability of *V*-groove optical fiber mass splice—improvement of splice loss temperature characteristics 4—47284
Nagasawa, S. *see* Yoshida, K. 4—44105
Nagasawa, Y. *see* Takahashi, K. 4—48243
Nagase, H., Matsuda, Y., Ohnishi, K., Ninomiya, H., Koike, T. High performance induction motor drive system using a PWM inverter 4—57424
Nagase, M. *see* Nakano, N. 4—52941
Nagashima, H. *see* Muto, S. 4—59457
Nagashima, H. *see* Yamada, H. 4—40248
Nagashima, K. Computer generated binary holograms using halftone screen method 4—53094
Nagashima, K. One-dimensional computer generated hologram using a line printer 4—53095
Nagashima, M. *see* Takenaga, M. 4—52527
Nagashima, N. *see* Mukumoto, K. 4—54454
Nagasubramanian, G. *see* Wheeler, B.L. 4—50024
Nagaswami, V., Carlson, R. A simple pre-exposure treatment to improve post-develop photoresist step coverage 4—51958
Nagaswami, V., Ungemach, G., Hsueh, W., Trudel, M. VLSI lithography using Canon 1:1 wafer stepper 4—36672
Nagata, D. *see* Ota, H. 4—62299
Nagata, M., Yamamoto, T., Sato, T., Hera, T., Hakata, H., Ejima, K. First adjustable speed AC drive system for finishing stands in rod mill plant 4—57608
Nagata, M. *see* Chiba, A. 4—50450
Nagata, M. *see* Itoh, H. 4—36622
Nagata, M. *see* Kaneko, K. 4—46453, 4—58235
Nagata, M. *see* Katsueda, M. 4—40875
Nagata, M. *see* Okada, Y. 4—59015
Nagata, M. *see* Shinmi, T. 4—59016
Nagata, M. *see* Tsukada, T. 4—41413, 4—58403
Nagata, M. *see* Yoshida, I. 4—36621
Nagata, S. Voltage-current characteristic in lead-zinc-lead junctions 4—42294
Nagata, T. *see* Nakayama, N. 4—42092
Nagatomi, K. *see* Kondo, H. 4—54470
Nagatomo, M. *see* Fujishima, K. 4—58330
Nagatomo, T., Negishi, K., Kakehata, H., Omoto, O. Properties of polyacetylene $(CH)_x$ film and its application to rechargeable batteries 4—50040
Nagatsu, T., Tsuruhara, T., Sakamoto, M. Transmitter power control for cellular land mobile radio 4—32711
Nagatsuka, A., Iwasaki, T., Yokoshima, I. International intercomparison of microwave impedance standards between the NIM, China and the ETL, Japan 4—39283
Nagatsuka, T. *see* Suzuki, Y 4—31873
Nagayama, S. *see* Yamazaki, S. 4—62704
Nagayama, Y. *see* Takahashi, Y. 4—56310
Nagayama, Y. *see* Yoshihara, T. 4—46452
Nagel, D.C. *see* Ahumada, A.J., Jr. 4—53836
Nagel, D.J. Characteristics and uses of X-radiation from laser-heated plasmas 4—53120
Nagel, H.H. *see* Dreschler-Fischer, L. 4—38051
Nagel, H.-H., Haas, U.L. Detection and interpretation of changes in image sequences 4—43475
Nagel, L. *see* Barbee, T.W., Jr. 4—29530
Nagel, L.W. *see* Fichtner, W. 4—30699
Nagel, L.W. *see* Kull, G.M. 4—36557
Nagel, S.R., Fleming, J.W. Latest developments in fiber manufacture by MCVD and RFMCVD 4—52632
Nagendra Rao, P.S., Prakasa Rao, K.S., Nanda, J. An empirical criterion for the convergence of the fast decoupled load flow method 4—45058
Nagenthiram, P. *see* Harmon, J. 4—44166
Naghdi, P.M. *see* Green, A.E. 4—53261
Naghdy, F., Stoodley, K.D.C., Henry, R.M., Crew, A.D. Development of a microprocessor-based monitoring system for post-surgical cardiac patients 4—49115
Nagi, S.K. *see* Biernat, P.J. 4—46717
Nagibarova, I.A., Khasanov, O.Kh. Some features of dynamic holography using coherent cooperative processes 4—31512
Nagin, A.P., Nikitin, I.O., Tyul'kin, V.M. A study of photocurrent amplification in silicon MOS structures 4—52803
Nagin, A.P. *see* Gergel', V.A. 4—52136
Nagle, D. *see* Bolton, R. 4—55816
Nagler, A. Braking AC motors with DC 4—34965
Nagornaya, N.I. *see* Morgunov, A.N. 4—61544
Nagornyi, V.V. *see* Shwarts, Z.L. 4—53160
Nagorskii, V.D., Malakhov, V.I., Goldshtein, I.A. High speed land transport electrodynamic suspension optimisation 4—40546
Nagovitsyn, N.A. *see* Maksimov, A.V. 4—59246
Nagrani, S. *see* Palm, R. 4—52283
Nagrath, I.J. *see* Mandhana, O.P. 4—62621
Nagrial, M.H. Computer modeling and optimization of hybrid linear reluctance motors (HLRMs) 4—34693
Nagrial, M.H., Ashraf, S.J. Wind electric conversion potential in Libya 4—34558
Naguchev, O.Yu., Perevodchikov, V.I. Effect of ionic compensation of the electron space charge on the characteristics of switching tubes with electron-beam braking 4—30251
Naguchev, O.Yu. *see* Perevodchikov, V.I. 4—34757
Naguib, H. *see* Calder, I. 4—30709
Nagurney, M. *see* Ganguly, A.K. 4—59380
Nagurney, M.J. *see* Jackson, R.H. 4—37275
Nagy, J. Pressurizer equipments for protection of telecommunication cables and antenna waveguides 4—60625
Nagy, L., Soos, L. Operational characteristics of inverters working in closed loop 4—49970
Nagy, M. *see* House, J.R. 4—41711
Nagy, M. *see* Sobhi, M. 4—34366
Nagy, S. *see* Chepigin, V.I. 4—39420
Nagy, S.Z., Regoci, I. Personal computer programmed for technological tasks 4—45959
Nagy, Z. *see* Formanne, G.C. 4—33966
Naha, S. *see* Basu, M. 4—55958
Naha, S. *see* Ghosh, d. 4—33747
Nahar, R.K. *see* Khanna, V.K. 4—55371
Nahata, P. Automatic testing of parallel lines 4—29230
Nahata, P. *see* Arnold, O.E. 4—29229
Nahemow, M.D., Fromson, R.E., Kossowsky, R., Pack, J.L. SURIM—a Westinghouse surface implantation machine 4—36445
Nahman, J. A numerical method for evaluation of mutual earth resistances of thin cylindrical straight conductors 4—39945
Nahman, J., Salamon, D. Approximate computer evaluation of composite earthing systems 4—39914
Nahman, J., Salamon, D. Analytical expressions for the resistance of grounding grids in nonuniform soil 4—45159
Nahman, N.S. *see* Lawton, R.A. 4—41570
Nahmias, C. The McMaster positron emission tomograph: design and evaluation 4—39529
Nahmias, C., Firnau, G., Garnett, E.S. Performance characteristics of the McMaster positron emission tomograph 4—33816
Nahory, R.E. *see* Panock, R. 4—54756
Nahotko, M. Antiinterference automatic control of large generating nodes of the power system 4—56414
Naiben Ming *see* Ming Naiben
Naibin Wan *see* Wan Naibin
Naidenko, L.G., Evseev, V.S. Flowmeter system for calibrating and checking special direct-flow rotameters 4—55750
Naidenko, V.I., Stepanenko, P.Ya. A method of improving the accuracy of the solution of boundary value problems in electrodynamics 4—42759
Naidich, Yu.V., Ishchuk, N.F., Tsygankova, I.N., Beketova, V.V., Martynova, V.P., Voronich, A.Yu. Brazing fibre-optical screens to glass vessels of electron-beam devices 4—29242
Naidu, B.S.K., Gahlot, V.K. Modern trends in manufacturing large Francis turbine runners 4—50529
Naidu, P.S., Paramasivaiah, B. Estimation of sinusoids from incomplete time series 4—47847
Naidu, R.S., Gopalan, M.N. Cost-benefit analysis of a one-server two-unit system subject to arbitrary failure, inspection and repair 4—35332
Naidu, R.Subramanyam *see* Subramanyam Naidu, R.
Naiff, K.L.C. *see* Rich, D.A. 4—41347
Naik, B.M. *see* Kadu, G.S. 4—45847
Naik, K.B., Jain, V.K., Saxena, N.S., Dubey, G.K. Improvement of performance of a chopper fed DC separately excited motor using LC output filter 4—57065
Naik, V.K. *see* Halkyard, M.S. 4—32435
Nailen, R.L. Operating and controlling induction generators 4—49900
Nailen, R.L. Spooks on the power line? Induction generators and the public utility 4—57037
Naillon, M., Besnier, F., Coursant, R.H. Finite element analysis of narrow piezoelectric parallelepiped vibrations—energetical coupling modeling 4—56111
Naiman, M.L. *see* Vasquez, R.P. 4—41981
Naimanov, O.S. Influence of parameters of steam generated by evaporators on efficiency of a geothermal power station 4—40142
Naimski, H. Telecommunication forces in the years 1918 to 1939. I 4—43582
Naimski, H. Telecommunication forces in 1918-1939 years. II 4—54050
Nain, P. Interdeparture times from a queuing system with preemptive resume priority 4—46080
Nair, G. *see* Biswas, S. 4—61722
Nair, K.G. *see* Mohanan, P. 4—31766, 4—32678
Nair, K.G. *see* Zachariah, E.J. 4—31767
Nair, K.K. *see* Feather, B.A. 4—51683
Nair, N.V., Mallick, A.K. An analysis of a width-modulated microstrip periodic structure [bandstop filter realisation] 4—37700
Nair, P.K., Lyons, P.L. Overview of the shakedown testing at the transmission line mechanical research facility 4—49650
Nair, R.P., Nair, T.K.M., Wrede, D.E. Dosimetric effects on field shaping and shield positioning in electron therapy 4—39633
Nair, T.K.M. *see* Nair, R.P. 4—39633
Nair, T.K.M. *see* Wrede, D.E. 4—39634
Nair, V.K.R. *see* Pande, K.P. 4—36432, 4—42063
Naitan You *see* You Naitan
Naito, A. *see* Yoshizaki, M. 4—60436

Naito, H., Motomura, K., Okuda, M., Nakau, T., Matsushita, T. Transient photodischarge characteristics of photoconductors with dispersive transport 4−31210
Naito, M. *see* Hirayama, F. 4−55996
Naito, M. *see* Shimizu, Y. 4−58893
Naito, S., Higashino, Y. Characteristics of Nb thin-film point-contact Josephson junctions 4−42293
Naito, S., Higashino, Y. Comparison of Nb thin-film point-contact Josephson junction characteristics with the Stewart-McCumber model 4−59163
Naito, S. *see* Tsunoyama, M. 4−57915
Naito, T. *see* Nitta, T. 4−34612
Naito, Y. *see* Kim, D.I. 4−51516
Naito, Y. *see* Mizumoto, T. 4−42241, 4−42402
Naitoh, H. *see* Hasegawa, T. 4−40525
Naitoh, T., Takeuchi, S., Yamashita, M.Y. Highly stable random pulser 4−46385
Naitoh, T. *see* Inoue, M. 4−39276
Naitoh, T. *see* Ohki, T. 4−55386
Najafi, K. *see* Wise, K.D. 4−61804
Najda, S.P. *see* Skolnick, M.S. 4−36263
Najim, K. *see* Dahhou, B. 4−40667
Najmann, K. *see* Heimeier, H. 4−29866
Najmann, W. *see* Keinert, J. 4−30690
Najzer, M. *see* Loose, A. 4−55941
Naka, K.-I. *see* Yokoyama, K. 4−53859
Nakabasami, T. *see* Nakagawa, H. 4−45114
Nakabayashi, K. *see* Takegahara, T. 4−44372
Nakada, H. *see* Hirosaki, B. 4−53774
Nakada, T. *see* Ukikusa, H. 4−50245
Nakae, H. *see* Ogasawara, N. 4−59514
Nakagaki, H. *see* Arai, T. 4−61141
Nakagami, T. *see* Wada, O. 4−31178
Nakagawa, A., Ohashi, H. A study on GTO turn-off failure mechanism−A time- and temperature dependent 1-D model analysis 4−36567
Nakagawa, H., Nakabasami, T., Katsumata, A. Creepage phenomena of HPOF cable 4−45114
Nakagawa, H., Ohhigashi, H., Kurosawa, I., Sogawa, E.-i., Takada, S., Hayakawa, H. Josephson 8-bit adder integrated circuit 4−51091
Nakagawa, H., Ohigashi, H., Kurosawa, I., Sogawa, E., Takada, S., Hayakawa, H. Josephson cell array circuit using four junction logic (4 JL) gates 4−52513
Nakagawa, H., Sogawa, E., Takada, S., Hayakawa, H Integration technology of Josephson circuits using lead alloy 4−52489
Nakagawa, H., Sogawa, E.-i., Takada, S., Hayakawa, H. Operating characteristics of Josephson direct-coupled four-junction logic (4JL) gate 4−51090
Nakagawa, H. *see* Kurosawa, I. 4−51189
Nakagawa, H. *see* Ohhigashi, H. 4−51094
Nakagawa, H. *see* Sogawa, E. 4−51093
Nakagawa, K. Radiation from a magnetic ring source encircling a drifting plasma column 4−47623
Nakagawa, K., Inagaki, N. Numerical analysis of the horizontal antenna above a lossy ground 4−42931
Nakagawa, K. *see* Ishizaka, A. 4−41067
Nakagawa, K. *see* Itoh, M. 4−52532
Nakagawa, M., Hoshi, T. Condition of energy input for impulse response testing 4−58081
Nakagawa, M. *see* Ariswa, S. 4−31707
Nakagawa, M. *see* Hagiwara, M. 4−51055
Nakagawa, M. *see* Hayashi, Y. 4−37941
Nakagawa, M. *see* Kuroda, A. 4−43933
Nakagawa, M. *see* Muroi, T. 4−41246
Nakagawa, M. *see* Uehara, T. 4−48550
Nakagawa, M. *see* Yamasaki, S. 4−29733
Nakagawa, M. *see* Yoshida, T. 4−54630
Nakagawa, S. *see* Sakama, Y. 4−54360
Nakagawa, S. *see* Yamamura, S. 4−57007
Nakagawa, T., Fujisada, H. Method for evaluation of hysteretic interface properties and their application to anodised InSb MIS diodes 4−30588
Nakagawa, T. *see* Hasegawa, T. 4−40525
Nakagawa, T. *see* Kojima, M. 4−50810
Nakagawa, T. *see* Saito, S. 4−34743
Nakagawa, Y. A study of the properties of a magnetically-insulated ion diode 4−44685
Nakagawa, Y., Hikita, M., Kamada, H. An algorithm for solving surrogate dual programs 4−29380
Nakagawa, Y., Ono, M. Nonlinear interaction of surface acoustic waves in a waveguide 4−42219
Nakagawa, Y. *see* Motoi, K. 4−55167
Nakagawara, K., Yabu, K., Hanawa, K. Digital electronic private branch exchange 4−43886
Nakagiri, K., Shibuki, M., Urabe, S., Ishitsu, M. The cesium atomic frequency standard 4−33416
Nakagome, Y. *see* Kanno, I. 4−33629
Nakagome, Y. *see* Takada, E. 4−30808
Nakagoshi, A. *see* Hikita, M. 4−52398
Nakagoshi, A. *see* Kinoshita, Y. 4−52399
Nakahara, K. *see* Yui, N. 4−40432
Nakahara, M., Ninomiya, T., Harada, K. Noise generation in a forward DC-to-DC converter 4−57187
Nakahara, M., Ohmori, Y., Itoh, H. Loss increase in deuterium-doped VAD fibres with heat treatment 4−31115
Nakahara, M. *see* Chida, K. 4−52590, 4−52591
Nakahara, M. *see* Miya, T. 4−38629, 4−52592
Nakahara, M. *see* Omori, Y. 4−52595
Nakahara, M. *see* Sakaguchi, S. 4−37117
Nakahara, M. *see* Toba, H. 4−38611
Nakahara, M. *see* Yoshida, M. 4−36870
Nakahara, S., Gallagher, P.K., Felder, E.C., Lawry, R.B. Interaction between zinc metallization and indium phosphide 4−46981
Nakahara, S. *see* Bean, J.C. 4−46222
Nakahara, S. *see* Mahajan, S. 4−31245
Nakahara, T., Hoshikawa, M., Tanaka, S. Characteristics of VAD single mode fiber with depressed cladding layer 4−59195
Nakahata, Y. *see* Yamamoto, F. 4−35028
Nakai, J.-I. *see* Watanabe, T. 4−32944, 4−39063
Nakai, K., Kitahara, K., Ozeki, M. Vapor phase epitaxial growth of Cr-doped GaAs 4−41963
Nakai, K. *see* Imamura, K. 4−47026
Nakai, K. *see* Wada, O. 4−31178
Nakai, K. *see* Wada, T. 4−41973
Nakai, M. *see* Ohba, S. 4−55274
Nakai, S. *see* Miyamoto, S. 4−34788
Nakai, T., Ohba, H. On the graphical method of drawing APDs for atmospheric radio noise 4−37614
Nakai, T., Suzuki, H. PARCOR speech analyzer with 30 kHz maximum available sampling frequency 4−47807
Nakai, T. *see* Suzuki, K. 4−61276
Nakajima, A. *see* Watanabe, K. 4−38229
Nakajima, H. Recent trends in the development of facsimile and visual communication system in NTT 4−32288
Nakajima, H., Isozaki, K. Videotex in Japan 4−32320
Nakajima, H. *see* Ikeda, S. 4−32954
Nakajima, H. *see* Jidai, E. 4−30143
Nakajima, J. *see* Kimura, M. 4−57651
Nakajima, J. *see* Tooda, T. 4−53166
Nakajima, K. Liquid-phase epitaxy 4−29498
Nakajima, K. *see* Miyahara, A. 4−34324
Nakajima, K. *see* Sato, M. 4−54163
Nakajima, M., Ikenoue, J.-I. Complex-number analysis for nonlinear oscillator circuits and the physical meaning of synchronization phenomena 4−29695
Nakajima, M., Mitsuhashi, Y. Computer-generated polarization holography 4−59624
Nakajima, M. *see* Fujimasa, I. 4−49171
Nakajima, M. *see* Kitagawa, H. 4−55778
Nakajima, M. *see* Kurita, K. 4−33823
Nakajima, M. *see* Ogawa, K. 4−44719
Nakajima, M. *see* Onodera, H. 4−31155, 4−31157
Nakajima, M. *see* Yahata, A. 4−46859
Nakajima, M. *see* Yumoto, J. 4−47295
Nakajima, N., Shimanuki, Y., Abe, K., Furuno, T. 4, 5, 6 GHz band offset antenna featuring low sidelobe and high cross polarization discrimination 4−42962
Nakajima, N. *see* Yamada, Y. 4−59829
Nakajima, O. *see* Shimaya, M. 4−52126
Nakajima, S. Both-way circuits selecting control in a telephone network 4−43640
Nakajima, S., Yamaguchi, M., Inoue, M., Shirafuji, J., Inuishi, Y. Interface characteristics of MIS diodes made by anodic oxidation of $In_{0.53}Ga_{0.47}As$ 4−52061
Nakajima, S. *see* Inoue, M. 4−46852
Nakajima, S. *see* Minegishi, K. 4−35810
Nakajima, S. *see* Morie, T. 4−42177
Nakajima, S. *see* Yamada, J. 4−58340
Nakajima, T., Suzuki, T. Nonsteady-state speech analysis by time-variant backward linear prediction 4−43207
Nakajima, T., Suzuki, T. Application of nonsteady-state speech analysis to some consonants 4−43215
Nakajima, T., Suzuki, T. Speech analysis on burst waveform 4−43222
Nakajima, T., Suzuki, T., Ohmura, H. Application of method for analyzing nonsteady-state speech to continuous speech 4−43220
Nakamae, E., Yamashita, H., Kawano, N., Nakano, S. Color computer graphics in magnetic field analysis by means of the finite element method 4−31550
Nakamae, E. *see* Yamashita, H. 4−34713
Nakamae, K. *see* Sumiya, K. 4−30967
Nakamae, M. *see* Tokuyoshi, F. 4−51238
Nakamichi, M. *see* Itoh, H. 4−43007
Nakamoto, F.S., Lopez, A.M., Franklin, C.L. Mutual interference with dual channel operation 4−47639
Nakamoto, N. *see* Igura, K. 4−62755
Nakamoto, N. *see* Ohta, M. 4−57482
Nakamoto, Y., Terayama, T., Takayanagi, M. Evaluation of sliding pressure operation for OTEC plant 4−62470
Nakamura, G. *see* Shimizu, M. 4−57929
Nakamura, H., Sano, Y., Nonaka, T., Ishida, T., Kaminishi, K. A self-aligned GaAs MESFET with W-Al gate 4−30652
Nakamura, H. *see* Aoki, M. 4−46211
Nakamura, H. *see* Fukuda, E. 4−31849
Nakamura, H. *see* Matsumoto, Y. 4−49095
Nakamura, H. *see* Minagawa, S. 4−58023
Nakamura, H. *see* Sano, Y. 4−47024
Nakamura, H. *see* Takamizawa, K. 4−52212
Nakamura, I., Kitamura, T., Mitsui, K., Muraki, Y., Ohashi, Y., Okada, A., Suda, T., Kawashima, Y., Aoki, T., Takahashi, T. A measurement of the high energy muon spectrum by Pair Meter 4−61711
Nakamura, I. *see* Kinjo, M. 4−60866
Nakamura, I. *see* Natsui, K. 4−45564
Nakamura, J. *see* Nishigaki, S. 4−51560
Nakamura, K. Error correction coding to multilevel QAM signals based on the Lee metric 4−43147
Nakamura, K., Iijima, Y., Ishiguro, T. BCH codes implementation in video codecs 4−32505
Nakamura, K., Kimura, M., Yoshida, S., Hidaka, T., Mitsuhashi, Y. Raman amplification of a 1.50-μm laser diode in the low-fiber-loss region 4−53009
Nakamura, K., Saji, Y., Sasaki, K., Matsushita, H., Nagamatsu, Y., Sato, H. Study of the semiconductor properties by irradiation. The degradation of an Si transistor by γ-rays 4−52037
Nakamura, K., Saji, Y., Shioya, H., Onitsuka, M., Shigenaga, M. Study of the semiconductor properties by irradiation. The degradation of Si photodiodes by γ-rays 4−52789
Nakamura, K., Saji, Y., Takagi, S., Futsukaichi, K., Mori, Y., Tashiro, N. Study of soft errors in MOS RAM by α-rays. II. Study of the measurement systems of soft errors in MOS RAM 4−51192
Nakamura, K., Sasaki, K., Shioya, H., Tashiro, N. Study of the semiconductor properties by irradiation−measurement of conductivity variance on irradiated Si wafers by applying eddy currents 4−51747
Nakamura, K., Shimizu, H. Poling of ferroelectric crystals by using interdigital electrodes and its application to bulk-wave transducers 4−52336
Nakamura, K., Tani, N., Ishikawa, M., Yamada, T., Ota, Y., Itoh, A. A new perpendicular magnetic film of Co-O by evaporation 4−52445
Nakamura, K. *see* Harakawa, T. 4−60433
Nakamura, K. *see* Muto, S. 4−59457
Nakamura, K. *see* Shimizu, H. 4−52374
Nakamura, K. *see* Suzuki, S. 4−58341
Nakamura, M., Kobayashi, Y., Usami, K. Raman studies of internal stress and crystallinity of pulse-laser-irradiated silicon on sapphire (SOS) in relation to Hall mobility 4−51885
Nakamura, M., Nitta, K., Komatsubara, T., Okajima, M., Ozeki, T. LED linearisation for video bandwidth transmission employing a monolithically integrated PIN-PD 4−54751
Nakamura, M., Suzuki, N., Uematsu, Y., Ozeki, T., Takahashi, S. Modal noise elimination in multimode fiber analog transmission using DFB lasers 4−54828
Nakamura, M. *see* Kawasaki, T. 4−32296
Nakamura, M. *see* Matsueda, H. 4−31164
Nakamura, M. *see* Monden, M. 4−38196
Nakamura, M. *see* Nakatsuka, S. 4−53013
Nakamura, M. *see* Ohishi, A. 4−53000
Nakamura, M. *see* Ono, M. 4−31645
Nakamura, M. *see* Tamura, T. 4−32379
Nakamura, M. *see* Yoshii, Y. 4−51337
Nakamura, N., Ogawa, H. Optimum digital image restoration under additive noises 4−53915
Nakamura, N. *see* Nagai, T. 4−61190
Nakamura, N. *see* Takagi, N. 4−58216
Nakamura, O. *see* Jimbo, Y. 4−41255
Nakamura, O. *see* Okamoto, N. 4−54169
Nakamura, S. Three-dimensional digital display of ultrasonograms 4−56081
Nakamura, S., Kaga, T. Computer-assisted planning for electric power systems and simulators for training in their operation 4−34044
Nakamura, S., Murabayashi, F., Yamaguchi, S., Ieda, M., Sawa, G. Degradation of electrical insulating properties of polyethylene by combination of gamma irradiation and thermal aging 4−39878
Nakamura, S., Takagi, K. Limiting noise in V-MOSFET 4−52138
Nakamura, S. *see* Doke, T. 4−55963
Nakamura, S. *see* Iida, K. 4−42192
Nakamura, S. *see* Nomura, T. 4−34610
Nakamura, S. *see* Sugihara, K. 4−58754
Nakamura, S. *see* Taguchi, M. 4−58338
Nakamura, S. *see* Takenaga, M. 4−52527
Nakamura, S. *see* Ueda, A. 4−34581
Nakamura, T., Nakazato, K., Miyazaki, T., Okabe, T., Naga, M. Integrated 84 ps ECL with I^2L 4−51170
Nakamura, T., Ozu, T., Tamagawa, N. A high orientation effect of cobalt-adsorbed gamma and chromium-dioxide particles for audio recording 4−30990
Nakamura, T., Sekine, T., Yokokawa, S. Analytical method of spiral line 4−46601
Nakamura, T. *see* Fujishima, S. 4−51018
Nakamura, T. *see* Goto, G. 4−36857
Nakamura, T. *see* Hijiya, S. 4−58332
Nakamura, T. *see* Ikeda, K. 4−32406

Nakamura, T. *see* Inour, S.-i. 4—46983
Nakamura, T. *see* Kato, T. 4—30800
Nakamura, T. *see* Kunikane, T. 4—42521
Nakamura, T. *see* Morikawa, T. 4—62624
Nakamura, T. *see* Nishinaga, T. 4—30329
Nakamura, T. *see* Pak, K. 4—29489
Nakamura, T. *see* Saito, K. 4—51718
Nakamura, T. *see* Takada, A. 4—55266
Nakamura, T. *see* Tanno, K. 4—43775
Nakamura, T. *see* Togashi, M. 4—54171
Nakamura, T. *see* Tokuyoshi, F. 4—51238
Nakamura, Y., Iwasaki, S. On the resolution of perpendicular magnetic head 4—37018
Nakamura, Y., Saito, Y. Discriminator with partial response detection of NRZ-FSK signals 4—59922
Nakamura, Y., Yamashiro, S., Koike, T. An optimal operation of thermal power system under limited supply of primary energy and environmental constraints 4—40054
Nakamura, Y. *see* Moriyama, S.-i. 4—37080
Nakamura, Y. *see* Ono, M. 4—31645, 4—59732
Nakamura, Y. *see* Satou, K. 4—43740
Nakane, F. *see* Kojima, T. 4—31148
Nakane, H. Magnetic field for radiating and receiving loops placed on parallel planes 4—31743
Nakane, H. *see* Tsuda, M. 4—30477
Nakane, H. *see* Wada, I. 4—44559
Nakanishi, H., Endo, S., Irie, T. Piezoresistance in $CdIn_2S_4$ 4—51809
Nakanishi, H. *see* Inoue, T. 4—47710
Nakanishi, H. *see* Osaka, J. 4—50738
Nakanishi, K. *see* Inoue, T. 4—48689
Nakanishi, K. *see* Yudasaka, M. 4—31211
Nakanishi, M., Hara, K. Composite Josephson device 4—47213
Nakanishi, M., Ito, H. A 120 Mbps TMDA/DSI traffic terminal 4—60766
Nakanishi, M., Katsumoto, N., Komizo, Y., Hasanuma, S., Seta, I. Development of AC MIG arc welding 4—62855
Nakanishi, R. *see* Miyamichi, K. 4—50000
Nakanishi, S. Technical progress on discharge lamp operating circuits 4—45738
Nakanishi, S. *see* Whitehair, S. 4—44888
Nakanishi, T. *see* Riko, Y. 4—32715
Nakanishi, T. *see* Ukikusa, H. 4—50245
Nakanishi, Y. *see* Nomura, Y. 4—43499
Nakano, A. *see* Kutsuwada, N. 4—45808
Nakano, A. *see* Matsumoto, H. 4—40458
Nakano, H., Akagi, H., Takahashi, I., Nabae, A. A new equivalent circuit of induction motor based on the total linkage flux of the secondary windings 4—40246
Nakano, H., Hirose, K., Yamauchi, J. Spiral antenna with two off-center sources 4—59874
Nakano, H., Iio, S., Yamauchi, J. Frequency characteristics of tapered backfire helical antenna with loaded termination 4—42949
Nakano, H., Tagami, H., Yoshizawa, A., Yamauchi, J. Shortening ratios of modified dipole antennas 4—47678
Nakano, H., Yamauchi, J., Sigiyama, Y. Parasitic effects and polarization diversity of Archimedean spiral antenna 4—59838
Nakano, H. *see* Masaki, S. 4—54189
Nakano, H. *see* Mochizuki, T. 4—54187
Nakano, H. *see* Yatagai, T. 4—58945, 4—61600
Nakano, K. *see* Ito, K. 4—36109
Nakano, M. Non-dispersive infrared gas analyzer 4—61384
Nakano, M., Matsuo, Y. Output feedback-type firing control scheme for phase controlled devices 4—40328
Nakano, M. *see* Kawamura, S. 4—29507, 4—36869, 4—52299
Nakano, M. *see* Mukai, R. 4—36868, 4—41813
Nakano, M. *see* Yamada, H. 4—56962
Nakano, N., Nagase, M., Tanaka, Y., Kuroda, H. Development of a high power glass laser system and research of X-ray generation 4—52941
Nakano, S. *see* Nakamae, E. 4—31550
Nakano, T. *see* Anami, K. 4—47125
Nakano, T. *see* Yoshihara, T. 4—46452
Nakano, Y., Iwane, G., Ikegami, T. Screening method for laser diodes with high reliability 4—37367
Nakano, Y. *see* Tada, K. 4—59555
Nakao, I. *see* Shibata, J. 4—52948
Nakao, K. *see* Imai, S. 4—50238
Nakao, M. Superconvergence estimates at Jacobi points of the collocation-Galerkin method for two point boundary value problems 4—41021
Nakao, M. A collocation-H^{-1}-Galerkin method for some elliptic equations 4—46175
Nakao, M. *see* Suzuki, S. 4—58341
Nakao, S. *see* Jidai, E. 4—30143
Nakao, T. *see* Mizuno, A. 4—58432
Nakao, Y. *see* Kobayashi, H. 4—60461
Nakaoka, K. Pattern synthesis by use of an augmented Lagrangian algorithm 4—42930
Nakaoka, M., Inaka, H., Savary, P., Maruhashi, T. An SCR-GTO hybrid voltage-clamped medium-frequency inverter with fast-response VVVF control function 4—57226
Nakaoka, M., Kim, D., Maruhashi, T. SCR-GTO hybrid voltage-clamped high-frequency power inverters with quick-response VVVF control function 4—50974
Nakashima, H. Storage time of silicon pn junction diode 4—36542
Nakashima, H., Nakazawa, H., Shimizu, N., Horii, K., Kosaki, M. Estimation of electrical aging for ice-silica compound insulation 4—59100
Nakashima, H. *see* Fukuzawa, T. 4—37387, 4—52943
Nakashima, H. *see* Kobayashi, K.L.I. 4—50748
Nakashima, K. *see* Uchiyama, Y. 4—36684
Nakashima, K. *see* Yamato, K. 4—41330
Nakashima, M., Koezuka, T., Inagaki, T. Development of pattern recognition techniques for hybrid IC assembly 4—58645
Nakashima, M., Koezuka, T., Tsukahara, H., Inagaki, T. Pattern recognition techniques for hybrid microcircuits 4—46747
Nakashima, S. Characterization of laser recrystallized SOI 4—41917
Nakashima, S. *see* Kozono, S. 4—54647
Nakashima, S. *see* Takai, M. 4—50801
Nakashima, T., Oazama, S., Kawano, K., Matsuda, Y., Ishizoe, R. An automation system for surface treatment in large-variety small-batch production 4—57818
Nakashima, T. *see* Higashi, K. 4—57163
Nakashima, T. *see* Shiozawa, T. 4—59379
Nakashita, T., Hirose, M., Osaka, Y. Localized-state-density distribution in post-hydrogenated CVD amorphous silicon 4—30353
Nakata, H. *see* Akasaka, Y. 4—30791
Nakata, H. *see* Hatanaka, M. 4—50827
Nakata, H. *see* Hirayama, M. 4—41995
Nakata, H. *see* Kohara, M. 4—58658
Nakata, H. *see* Uoya, S. 4—36821
Nakata, K. Applications of LSI technology in acoustics 4—48650
Nakata, K. *see* Miyamoto, T. 4—47790
Nakata, S. *see* Moriya, T. 4—42016
Nakata, T., Takahashi, N. New design method of permanent magnets by using the finite element method 4—31029
Nakata, T., Takahashi, N., Fujiwara, K., Hayase, I. Numerical design method for magnetizers 4—47564
Nakata, T., Takahashi, N., Kawase, Y., Fujiwara, K. Control of flux distributions in transformer cores 4—42279
Nakata, Y. *see* Noyori, M. 4—47044
Nakatani, H. *see* Masuda, S. 4—53177, 4—53178
Nakatani, N., Tokita, M., Yamada, T. LDV using polarization-preserving optical fibers for simultaneous measurement of two velocity components 4—47532
Nakatani, V., Kuruyu, I. An ultra high speed large safe operating area switching power transistor with new fine emitter structure 4—52075
Nakatani, Y., Kuryu, I. An ultra-high-voltage high-speed switching power transistor with new fine emitter structure 4—47027
Nakatsu, H. *see* Kubota, K. 4—30404
Nakatsugawa, H. The Japanese domestic satellite communications system 4—60788
Nakatsuka, H. *see* Yamazaki, S. 4—51729
Nakatsuka, M. *see* Toide, E. 4—52940
Nakatsuka, S., Ideguchi, T., Okamura, S., Yano, T., Shimpo, Y. MELNET R32: a local-area network 4—60621
Nakatsuka, S., Ono, Y., Kajimura, T., Nakamura, M. Transverse-mode stabilized laser diodes fabricated by MOCVD 4—53013
Nakatsuyama, M., Mizunuma, M., Sugimoto, M., Nishizuka, N., Nagahashi, H. Analysis of measuring apparatus using a sweep generator in frequency domain 4—55306
Nakau, T. *see* Naito, H. 4—31210
Nakau, T. *see* Takenoshita, H. 4—41044
Nakaya, C. *see* Takeuchi, H. 4—56090
Nakayama, C.E. *see* Pitcairn, D.R. 4—56777
Nakayama, H. The present status of electric utilities and the use of midnight electric power 4—45022
Nakayama, H., Orimo, M., Inoue, K. Proposal of a tandem quasi-Newton method for nonlinear optimization 4—35411
Nakayama, H. *see* Nishino, T. 4—46806
Nakayama, K., Seki, T. A design method for multirate filters 4—51464
Nakayama, K. *see* Fushimi, S. 4—58452
Nakayama, K. *see* Ikeda, K. 4—32406
Nakayama, K. *see* Kuraishi, Y. 4—54605, 4—59962
Nakayama, K. *see* Takeno, J. 4—43940
Nakayama, M. *see* Kuroiwa, D. 4—34203
Nakayama, N., Koseki, H., Tsuchihashi, N., Toyonaga, Y., Ueda, M., Nagamine, K. Thin-film CdTe phototransistor 4—47342
Nakayama, N., Nagata, T., Yamamoto, S. Algorithm of pattern logic operation for IC mask data 4—42092
Nakayama, R., Kubo, K., Sato, K., Taguchi, J. Development of nuclear power plant automated remote patrol system 4—40017
Nakayama, R. *see* Shibata, T. 4—35809
Nakayama, S., Yonezawa, H., Murota, J. Deposition of phosphorus doped silicon films by thermal decomposition of disilane 4—58044
Nakayama, S. *see* Saitoh, Y. 4—36391
Nakayama, T., Eguchi, M., Doi, E. Tiny Experimental Switching System 4—38408
Nakayama, T., Matsushita, S., Hibino, K., Haruta, K. Message handling system 4—54038
Nakayama, T., Yoshida, S., Hashida, Y. An experimental in-house integrated digital switching system 4—38419
Nakayama, T. *see* Mitsunaga, K. 4—52964, 4—59517
Nakayama, W. *see* Mori, Y. 4—49784
Nakayama, Y. *see* Ito, T. 4—46982
Nakazato, K. *see* Nakamura, T. 4—51170
Nakazawa, H. *see* Nakashima, H. 4—59100
Nakazawa, M., Aoyama, K.-i. Measurement technique for single-mode optical fiber 4—38627
Nakazawa, M., Tokuda, M., Morishige, Y., Toratini, H. 1.55 μm OTDR for single-mode optical fibre longer than 110 km 4—31114
Nakazawa, M., Tokuda, M., Washio, K., Asahara, Y. 130-km-long fault location for single-mode optical fiber using 1.55-μm Q-switched Er^{3+}:glass laser 4—52581
Nakazawa, M. *see* Horiguchi, T. 4—42435
Nakazawa, M. *see* Morishige, Y. 4—37345
Nakazawa, T., Ito, K. Transparent conductive ZnO films prepared by RF diode sputtering 4—58049
Nakazawa, Y. *see* Kawashima, M. 4—38383
Nakhla, M.S. *see* Jain, N.K. 4—36529
Nakhmanson, R.S., Sevastianov, S.B. Complex models of surface state admittance 4—30434
Nakonechnyi V.F. Reduction of mass size parameters of air cooled power converter equipment 4—34750
Nakwaski, W. Thermal properties of broad-contact single-heterostructure laser diodes 4—31392
Nakwaski, W. Thermal properties of stripe-geometry laser diodes 4—31393
Nakwaski, W. Dynamical thermal properties of stripe-geometry laser diodes 4—42651
Nakwaski, W. Simple formulae giving the temperature profiles in the stripe-geometry laser diodes with oxide barriers 4—59543
Nalbandyan, N.A. *see* Aleksanyan, A.S. 4—39495
Nalbandyan, V.M. Analysis of a unistor active filter 4—30008
Nalcioglu, O., Bor, D. Dual energy attenuation correction for single photon emission computed tomography (SPECT) 4—39545
Nalcioglu, O., Cho, Z.H. Reconstruction filters for 3-D NMR tomography with planar integrals 4—39538
Naldi, C. *see* Ghione, G. 4—30233
Nalibotskii, B.V. *see* Anshakov, O.M. 4—46783
Nalimov, V.N. *see* Tolstykh, G.N. 4—55486
Nalivaiko, I.I. *see* Kagan, M.B. 4—58037
Nalivkin, A.V. *see* Gorbatyuk, A.V. 4—58911, 4—58941
Nall, B.H. *see* Bargeron, C.B. 4—47555
Nalty, K.E., Zowarka, R.C., Holland, L.D. Instrumentation for EM launcher systems 4—42807
Nam, B.H. *see* Michel, A.N. 4—34017, 4—49551
Nam, B.P. *see* Karmazin, S.V. 4—31040
Nam, S.C. *see* Tsuzuki, S. 4—62145
Nam, S.H. *see* Han, K.S. 4—42579
Nam Jeong Jong *see* Jong Nam Jeong
Namaste, Y.M.N., Obendorf, S.K., Anderson, C.C., Rodriguez, F. Electron beam lithographic evaluation and chain scissioning yields of itaconate resists 4—58951
Namatsalyuk, I.N. *see* Kurile, I.A. 4—57176
Namba, S. Study on the amount of information in a still-picture and the display time required 4—32906
Namba, S. *see* Gamo, K. 4—30479, 4—36381, 4—46239
Namba, S. *see* Hara, H. 4—31293
Namba, S. *see* Harakawa, K. 4—39173
Namba, S. *see* Matsui, S. 4—30524
Namba, S. *see* Ochiai, Y. 4—52007
Namba, S. *see* Oraby, A.H. 4—30478
Namba, S. *see* Shimada, T. 4—47481
Namba, S. *see* Shiokawa, T. 4—36390
Namba, S. *see* Takai, M. 4—46219, 4—50800, 4—50801
Namba, S. *see* Tashiro, H. 4—31307, 4—37294, 4—52988
Nambi, K.S.V. Comment on 'The role of sulphur-oxyradicals in thermoluminescence and exoelectron emission of $CaSO_4$ phosphors' by R. Huzimura and K. Atarashi 4—47336
Nambison, P.M.S., Mulchandani, R., Bhatia, C.M. Microprocessor implementation of a four-phase thyristor chopper circuit 4—57218
Namboodiry, E.V.S. *see* Behl, D. 4—56251
Nambu, K. *see* Yamazaki, K. 4—51746
Namekawa, T. *see* Hirasawa, S. 4—43099
Namekawa, T. *see* Kumazawa, H. 4—31874
Namekawa, T. *see* Miyabe, Y. 4—43095
Namekawa, T. *see* Miyagaki, Y. 4—60705
Namekawa, T. *see* Miyazono, M. 4—54515
Namekawa, T. *see* Tokiwa, K. 4—59931, 4—59932
Namekawa, T. *see* Wu, K.R. 4—43975

Namihira, Y., Mochizuki, K., Kuwazuru, M. Temperature dependence of the hydrogen-diffusion constant in optical fibres 4—59239
Namihira, Y. *see* Mochizuki, K. 4—47249, 4—52569, 4—52662
Namihira, Y. *see* Nunokawa, M. 4—38612
Namikawa, H., Ishii, Y., Kumata, K., Arai, K., Iida, I., Tsuchiya, T. Preparation of Nd-doped SiO_2 glasses by axial injection plasma torch CVD and their fluorescence properties 4—50808
Namiki, J. Block demodulation for short radio packet 4—31831
Namiki, M. *see* Tanaka, H. 4—45690
Namitokov, K.K., Bochkov, V.S., Kobozev, A.S. Analysis of pressure in housings of automatic breakers during disconnection of short circuits 4—62659
Namitokov, K.K., Brezinskii, V.G., Yurchenko, S.M. On calculating the nonstationary temperature field in the coil of an electromagnet 4—37548
Namitokov, K.K., Brezinskii, V.G., Yurchenko, S.M. On electromagnetic coil nonstationary temperature field analysis 4—45477
Namitokov, K.K., Il'ina, N.A., Shklovskii, I.G. Generalised analysis of study cases and design of fuses on the basis of identification and optimisation theories 4—49996
Namitokov, K.K., Pakhomov, P.L. Variational principle applied to analysis of AC circuits with gas-discharge elements 4—50876
Namitokov, K.K., Pakhomov, P.L. Application of the variational principle in calculating AC circuits containing gas-discharge elements—[lighting] 4—57523
Namizaki, H. *see* Hirano, R. 4—37385
Namizaki, H. *see* Kumabe, H. 4—53015
Namizaki, H. *see* Oomura, E. 4—53016, 4—59532
Namkung, W., Lawson, W., Byun, D. Microwave generation from a cusptron device with a rotating electron through a magnetic cusp field 4—30270
Namnath, J. *see* Adamson, A.W. 4—57354
Namuduri, C., Sen, P.C. On inverter circuits with least trapped energy 4—57230
Namuduri, C. *see* Sen, P.C. 4—57145
Nan-chang Liu *see* Liu Nan-chang
Nanamatsu, S. *see* Kudo, T. 4—30912
Nanamatsu, S. *see* Utsumi, K. 4—58659
Nanba, D. *see* Fujii, Y. 4—43788
Nanba, K. *see* Endo, Y. 4—34193
Nanba, K. *see* Kuroiwa, D. 4—34203
Nanbu, K. *see* Fujii, T. 4—52965
Nanbu, K. *see* Muro, K. 4—51851
Nancay, S.de *see* de Nancay, S.
Nance, S. *see* Edington, D. 4—58291
Nanda, J. *see* Kumar, A. 4—62123
Nanda, J. *see* Nagendra Rao, P.S. 4—45058
Nandakumar, J. *see* Harvey, J. 4—52357
Nandakumar, N., Hartmann, C.R.P. Asymptotically optimum algorithms for soft decision decoding 4—43184
Nandedkar, S. *see* Stalberg, E. 4—33840
Nandedkar, S.D., Sanders, D.B. Special-purpose orthonormal basis functions—application to motor unit action potentials 4—44748
Nandedkar, S.D., Stalberg, E., Kim, Y.I., Sanders, D.B., Anne, A. Use of signal representation to identify abnormal motor unit potentials in macro EMG 4—33846
Nandi, A.K. *see* Astbury, A. 4—33756
Nandi, R. *see* Nandi, S. 4—41483, 4—46564
Nandi, R. *see* Saha, A.R. 4—51026
Nandi, S., Jana, P.B., Nandi, R. Circuit implementation of a current conveyor and some application to filter design 4—41483
Nandi, S., Jana, P.B., Nandi, R. Novel floating ideal tunable FDNR simulation using current conveyors 4—46564
Nandi, S. *see* Saha, A.R. 4—51026
Nanev, K., Nikolov, B. On the composition of a multialkali photocathode 4—46758
Nangai, T. *see* Inazaki, K. 4—33464
Nanishi, Y., Ishida, S., Miyazawa, S., Ishii, Y. Characterization of semi-insulating GaAs substrates for GaAs ICs 4—52288
Nanishi, Y. *see* Yamazaki, H. 4—30349
Nanjo, J., Matsumoto, Y., Fujioka, H., Yamamoto, H., Hasegawa, H. Anodic oxidation of *a*-Si:H film 4—58867
Nannichi, Y. *see* Hasegawa, F. 4—58861
Nano, E. *see* Borsero, M. 4—37599
Nanot, M. *see* Ostorero, J. 4—35466
Nanto, H. *see* Minami, T. 4—46812
Nanya, T., Tohma, Y. A 3-level realisation of totally self-checking checkers for m-out-of-n codes 4—58271
Naoe, M. *see* Matsuoka, M. 4—29537, 4—41095
Naono, H. *see* Sueyoshi, T. 4—30946
Naor, M. On the disappearance of the Kottler line integrals 4—37575
Naor, M. *see* Senior, T.B.A. 4—37563
Naot, Y., Elmakis, D. Markov model for reliability evaluation of substation and switching station by computer program 4—40359
Naour, R.le *see* le Naour, R.
Napchan, E., Gilboa, H. High frequency SAW delay line fabricated by electron-beam lithography 4—36986
Napchan, E. *see* Lesniak, M. 4—45663
Napier, P.J. *see* Resch, G.M. 4—48537
Napoli, A.Di *see* Di Napoli, A.
Napoli, R. *see* Brucoli, M. 4—62060
Napolitano, D.A. *see* Vesecky, J.F. 4—56325
Naqshbendi, S.F.H., Shah, N.A., Sharma, R.S. On the realization of a voltage controlled oscillator 4—29694
Nara, Y. *see* Kijima, Y. 4—53549
Nara, Y. *see* Uchida, Y. 4—36598
Naraine, P.M., Campbell, C.K. Wide band linear phase SAW filters using apodized slanted finger transducers 4—52405
Naranjo, A.J. *see* Bow, K.E. 4—46650
Narasimha Rao, D.V.G.L. *see* Janaky, T.P. 4—42328
Narasimham, V.S. *see* Krishnasawamy, M.R. 4—33735
Narasimhamurthi, N. On the existence of energy function for power systems with transmission losses 4—34149
Narasimhamurthi, N., Musavi, M.T. A generalized energy function for transient stability analysis of power systems 4—56477
Narasimhan, K.L. *see* Bhattacharya, E. 4—30365
Narasimhan, K.L. *see* Premachandran, V. 4—51799
Narasimhan, M.S., Karthikeyan, M. Evaluation of Fourier transform integrals using FFT with improved accuracy and its applications [antennas] 4—47682
Narasimhan, S. *see* Sussman-Fort, S.E. 4—42056
Narayan, J. *see* Holland, O.W. 4—30505
Narayan, J. *see* White, C.W. 4—58878
Narayan, L.R.A., Sahai, B. Integrated resources survey and applications 4—62272
Narayan, P. *see* Boutsikaris, L. 4—48556
Narayan, S.S., Nash, J.G., Nudd, G.R. VLSI processor array for adaptive radar applications 4—52278
Narayana, K.Badari *see* Badari Narayana, K.
Narayana, P.A. *see* Jensen, D.J. 4—61783
Narayana Rao, D. *see* Prasad, J. 4—59430
Narayanan, K. *see* Srirangan, T.V. 4—60801
Narayanaswamy, C.K. *see* Janaky, T.P. 4—42328
Nard, G. Spread spectrum concept applied in new accurate medium-long range radiopositioning system 4—38754
Nard, G. Methods of survey for choice of differential Omega sites 4—60936
Nardi, V., Powell, C. The plasma focus as a source of collimated beams of negative ion clusters and of neutral deuterium atoms 4—61652
Narducci, L.M. *see* Bonifacio, R. 4—47399
Narducci, L.M. *see* Zhang Hong-jun 4—52711
Naredo, J.L. *see* Frausto S., J. 4—45065
Narendra, K.S., Wheeler, R.M., Jr. An *N*-player sequential stochastic game with identical payoffs 4—29335
Narikawa, T. *see* Ota, H. 4—62299
Narimatsu, Y., Kanafuji, K. A parametric test system of accurate measurement of wafer-stage ICs 4—48707
Narita, M. Enhancing the display power of oscilloscopes 4—55543
Narita, S. *see* Muro, K. 4—51851
Narita, Y. *see* Igarashi, R. 4—55818
Narita, Y. *see* Ohya, S. 4—35816
Naritsuka, S., Yamanaka, K., Mihara, M., Ishii, M. Effects of growth conditions on electron trap concentrations in Si-doped $Al_{0.2}Ga_{0.8}As$ grown by MBE 4—30322
Narlikar, A.V. *see* Agarwal, S.K. 4—37051
Narod, B.B., Russell, R.D. Steady-state characteristics of the capacitively loaded flux gate sensor 4—61335
Narozny, P., Beneking, H. Fabrication and characteristics of ion-implanted GaAs/GaAlAs integrated injection logic inverter 4—42142
Narraway, J.J., Dilkie, L.R. Diagnosis of intermittent faults 4—40882
Narsale, A.M., Arora, B.M. Deep level transient capacitance spectroscopy of defects at native oxide-GaAs interfaces of $\langle\bar{1}\bar{1}\bar{1}\rangle$ and $\langle 100\rangle$ orientations 4—58814
Naruke, Y., Kishida, S., Uchida, Y., Matsumura, M. Theory of amorphous-silicon charge-coupled device 4—36583
Narusawa, T. *see* Kobayashi, K.L.I. 4—50748
Naruse, K. Performance factors and current status of photoelectric colorimeter designing 4—47352
Naruto, M. *see* Ashiya, M. 4—62753
Naruto, M. *see* Awano, T. 4—57477
Narvhus, I. High frequency, high power switch mode rectifier, 48 V, 200 A, transistor chopping 4—57192
Nasar, S.A. *see* Boldea, I. 4—34939
Nasberg, V.M. Increase of electric power production at the Khrami-I hydroelectric station by return of reservoir seepage water 4—45359
Nasburg, R.E. *see* Eversole, W.L. 4—53832
Nasedkina, A.Ya. *see* Vladimirskii, S.A. 4—40149, 4—45331
Nasel'skii, S.P., Rumyantsev, M.I., Ryabov, A.I., Statsenko, R.I., Toropkin, G.N. Enhancement of the efficiency of flashlamp-pumped YAG:Nd^{3+} lasers 4—42607
Naser, W. *see* Bayer, W. 4—45084
Nash, F. Waste heat and chp 4—40123
Nash, H.O., Jr., Wells, F.M. Power systems disturbances and considerations for power conditioning 4—62235
Nash, J.D., Razdow, A., Goates, G.B. A mathematical approach to hardware description 4—35591
Nash, J.G. *see* Narayan, S.S. 4—52278
Nash, J.H., Smith, S.G. A front end graphic interface to the FIRST silicon compiler 4—30733
Nash, W.L., Webster, F.M. Machine vision systems today—and tomorrow 4—55199
Nashashibi, T.S. G-R noise in silicon JFETs 4—30661
Nasibov, A.S. *see* Kozlovskii, V.I. 4—42609, 4—42610, 4—52937
Nasilowski, J. Current heating coefficient M and its application 4—57894
Nasiruddin *see* Ahmad, M. 4—39777
Naske, R.-D. The deformation of images and its application, assisted by a model, to the recognition of the identity of the writer of a text 4—38069
Naslain, R. *see* Christin, F. 4—35511
Naslain, R. *see* Rossignol, J.Y. 4—35512
Naslovskii, F.N. *see* Boyakhchyan, G.P. 4—46611
Nasr, M.E.M., Chakravarthy, C.V., Shivaprasad, A.P. Implementation of a hybrid PCM encoding scheme 4—58405
Nasrabadi, N.M., King, R.A. Complex number theoretic transform in p-adic field 4—53354
Nasrabadi, N.M., King, R.A. A new image coding technique using transforms vector quantization 4—60234
Nasredinov, F.S., Andreev, A.A., Golikova, O.A., Kurmantaev, A.N., Seregin, P.P. Electrical properties of amorphous films of silicon-germanium alloys 4—30367
Nass, M. *see* Sittnik, G. 4—34727
Nassalevska, A. *see* Manev, V. 4—57326
Nassar, A.A., Adler, E.L. Propagation and electromechanical coupling to plate modes in piezoelectric composite membranes 4—59124
Nasser, C.Readi *see* Readi Nasser, C.
Nasser, E., Heiszler, M. Photomultiplier measurement of streamer propagation 4—55667
Nasser, M. Precise frequency output power despite shaft speed variations 4—34759
Nasser, M., Matta, N.R. A method for analysis of phase locked servo systems 4—57296
Nassibian, A.G. *see* Dell, J. 4—47055, 4—52108
Nassibian, A.G. *see* Duong, A.K. 4—52076
Nassibian, A.G. *see* Kalkur, T.S. 4—51994
Nassif, N.R. Reverse-biased devices and quasi-variational inequalities 4—36514
Nassif, S.R., Strojwas, A.J., Director, S.W. FABRICS II: a statistically based IC fabrication process simulator 4—30670
Nassif, S.R. *see* Strojwas, A.J. 4—36777
Nassour, D. *see* Bourquin, R. 4—47153
Nastasi, V.R. *see* Fabricius, K.A. 4—36807
Nastrom, G.D. Detection of synoptic-scale vertical velocities using an MST radar 4—56290
Nasu, H. *see* Fujita, M. 4—44024
Nasu, K.-I., Azuma, A. An experimental verification of the local circulation method for a horizontal axis wind turbine 4—40184
Nasu, Y. *see* Kawai, S. 4—55602
Nasybullin, R.A., Kalimullin, R.Kh., Shapkin, V.V., Kukharskii, A.A. Behavior of the ferroelectric phase transition in $Pb_{1-x}Sn_xTe$ close to band inversion 4—36930
Nasyrov, T.Kh., Tyncherova, E.L. Simulation of limiting conditions on calculating multiple asymmetry in electrical systems 4—58106
Nat, T.v.d. Local networks 4—54020
Natake, T. *see* Takiue, M. 4—33663
Natali, F.D. Stability and transient response of a microprocessor based phase-locked loop 4—35704
Natali, F.D. Noise performance of a cross-product AFC with decision feedback for DPSK signals 4—37833
Natali, P. *see* Neri, G. 4—43759
Natan, M., Duncan, S.W., Byer, N.E. A cross-sectional transmission electron microscopy study of silicide growth kinetics in the Cr/(100)Si system at 425°C 4—30425
Natarajan, S. A simple predistortion technique for active filters 4—46563
Natarajan, S. *see* Leon, B.J. 4—57732
Natase, L., Niculescu, N., Lungu, C.P., Oancea, A.M., Musa, G. Study of the switch-on-characteristic, at low frequency, of a plasma display 4—51722
Natenapit, M. *see* Moyer, C. 4—31618
Nath, A.K. *see* Seguin, H.J.J. 4—31423
Nath, P. On noiseless coding 4—53382
Nath, R. Estimation of misclassification probabilities in the linear programming approaches to the two-group discriminant problem 4—50678
Nathan, A. *see* Andor, L. 4—36532
Nathan, A. *see* Baltes, H.P. 4—52046
Nathan, A. *see* Peleg, S. 4—32029
Nathan, M.I., Heiblum, M., Klem, J., Morkoc, H. Persistent photoconductivity in AlGaAs-GaAs heterostructures 4—51817
Nathan, M.I. *see* Dumke, W.P. 4—52068
Nathenson, R.D. *see* Ahmed, M.E. 4—56960
Nather, B. *see* Fischer, H. 4—48246

Nativ, M. *see* Alexandrovitz, A. 4—39821
Natkovich, V.Z. *see* Zemskov, G.G. 4—29283
Natrillo, J.A. *see* Cavanaugh, K.T. 4—49315
Natsuaki, N., Tamura, M., Miyazaki, T., Yanagi, Y. Rapid-thermal annealing of a poly-silicon-stacked emitter structure 4—36441
Natsuaki, N., Tamura, M., Miyazaki, T., Yanagi, Y. Rapid annealing of a polysilicon stacked emitter structure 4—41980
Natsuaki, N. *see* Tamura, M. 4—41915
Natsuda, T. *see* Yamada, J. 4—58340
Natsui, K., Hirasawa, K., Yoshioka, Y., Takasuna, T., Nakamura, I., Hirata, K. Interrupting characteristics of puffer and suction type SF_6 gas interrupter especially in thermal breakdown region 4—45564
Natusch, G.G. Arapuni in retrospect 4—62434
Natvig, J.E. Subjective testing of digital speech codes: a new CCITT recommendation 4—43272
Nauck, J. *see* Renner, U. 4—48423
Naughton, M.D., Nelson, R.A., Tucker, R.F., Miller, C.C. Low level radwaste solidification 4—49690
Naughton, M.D. *see* Dam, A.S. 4—49689
Naugol'naya, M.N. *see* Golosova, S.Ya. 4—32886
Naugol'nii, N.N. *see* Gonchar, V.Yu. 4—49060
Naujokas, T. *see* Lee, C.H. 4—32212
Naumann, R., Voelker, H. Rotary motion Faraday cage [for electron beam current measurement] 4—44575
Naumann, S. *see* Mazliah, J. 4—56158
Naumann, S.T. *see* Pinnello, J.A. 4—49643
Naumann, W. *see* Kuttner, H. 4—44992
Naumeko, L.V. *see* Kokhan, P.G. 4—34717
Naumenko, N.I. *see* Dikarev, Yu.I. 4—30525
Naumov, M.V. *see* Fal'kevich, S.A. 4—42217
Naumov, N.D. Statistical mechanics of relativistic charges and radiation 4—37598
Naumov, V.A. *see* Bryantsev, A.M. 4—39868
Naumov, V.V. *see* Barmashenko, B.D 4—52909
Naumov, Yu.V. *see* Ivanov, A.A. 4—62277
Naunin, D. The calculation of damper currents in synchronous machines at different current wave forms 4—56981
Naunin, D. *see* Leistner, K. 4—56894
Nauntofte, K. It's in the air 4—56902
Nausch, A. The M6800—family 4—51271
Naused, B.A. *see* Gilbert, B.K. 4—46541
Nauth, H.G. *see* Heinrich, V. 4—37024
Navabi, Z. *see* Hill, F.J. 4—51100
Navalgund, R.R., Kasturirangan, K. The Indian remote sensing satellite: a programme overview 4—61902
Navaneeth, G.N. *see* Sunnapwar, K.P. 4—55770
Navarra, G. *see* Dardo, M. 4—33671
Navarro, A. *see* Sanchez Dominguez, J. 4—49238
Navarro-Lopez, F. *see* Bom, N. 4—49263
Nave, R. VLSI technology advances and their impact on the complexity and performance of electronics applications 4—36793
Naviaux, J.C. *see* Hovanessian, S.A. 4—48509
Navneet *see* Pillai, P.K.C. 4—31216, 4—57653
Navneeth, G. *see* Somayajulu, Y.V. 4—47613
Navon, D.H. *see* Tang, T.W. 4—58889
Navon, E. *see* Israel, M. 4—37721
Navon, E. *see* Sabban, A. 4—37775
Navon, I. *see* Bryman, D. 4—33632
Navot, I., Rakotch, E. A simple algorithm for the determination of a Hurwitz polynomial from its squared magnitude on the imaginary axis 4—50882
Nawa, M., Nogami, T., Mikawa, H. Application of activated carbon fiber fabrics to electrodes of rechargeable battery and organic electrolyte capacitor 4—57322
Nawab, S.H., Dowla, F.U., Lacoss, R.T. A new method for wideband sensor array processing 4—53690
Nawar, G.Y. *see* Behmann, F.F. 4—48440
Nawata, K., Tomita, S., Wakita, K. Modal noise reduction of laser diodes with specific thickness coating 4—42631
Nawata, T. *see* Sato, N. 4—35819
Nawathe, S.P., Rao, B.V. Distribution free Doppler processor 4—60891
Nawrocki, A., Radzio, J. Two phase liquid real level measurement for power system automatic control system 4—61584
Nawrot, S. *see* Fornal, F. 4—62226
Nay, K., Budak, A. A voltage controlled resistance with wide dynamic range and low distortion 4—35958
Nayar, B.K. *see* Healey, P. 4—37103
Nayar, K.R. Microprocessor-based instrumentation 4—55196
Naylor, C. Live and booting 4—40337
Naylor, J.A. *see* Landell, B.P. 4—53552
Nayon, D.H., Park, Y.J., Tang, T.W. Nonstatic modeling of submicron transistors 4—36515
Nazarenko, N., Lazaridis, C.N. Polymer thick film conductors and dielectrics for membrane switches and flexible circuitry 4—41729
Nazarenko, O.K., Pats'ora, S.K. Special features of focusing powerful welding electron beams 4—45785
Nazarenko, P.N. *see* Mamet, A.P. 4—39997
Nazareth, L. An alternative variational principle for variable metric updating 4—50701
Nazarkin, I.V. *see* Konopleva, R.F. 4—30307
Nazarko, J. Investigation into the driving system of a sugar beetroot pump supplied by a thyristor inverter 4—57668
Nazarov, A.N. *see* Lysenko, V.S. 4—41914
Nazarov, B.I. *see* Gafurov, Kh.G. 4—37306
Nazarov, E.B. *see* Gorelov, L.V. 4—61104
Nazarov, N.G., Persikov, V.A., Tarasenko, V.F. Security of cryptograms that use pseudorandom number sequences 4—31863
Nazarov, V.D. *see* Maevskii, S.M. 4—59245
Nazarova, L.L. *see* Shidlovs'kii, A.K. 4—50034
Nazif, A.M. *see* Levine, M.D. 4—53892
Nazikyan, G.A. *see* Tiratsuyan, O.E. 4—49904
Nazlibilek, S. *see* Kaynak, O. 4—57409
Neagoe, V., Roat, C., Popa, C., Vaintraub, P. On the Hadamard transform for bandwidth compression of television signals 4—48580
Neal, J., Surber, J. Track-and-holds take flash converters to their limits 4—41405
Neal, J.D., Miley, D.J. Broadbanding of electrically small HF antennas for frequency agile applications by use of pin diode switched matching networks 4—37750
Neal, R.F. Avoiding bypass 4—54097
Neale, P.T. Elastic buffers for digital rings 4—54395
Nealy, J.C. *see* Henley, B.L. 4—30210
Nealy, J.C. *see* Joy, E.F. 4—30209, 4—46702
Neave, B.D.F. *see* Le Blanc Smith, M.G. 4—62830
Neba, Y. *see* Nonaka, S. 4—49976
Nebbeling, D.C. The possibilities of utilizing waste heat from domestic electrical appliances, a combination of a 300 l deep freezer and a 265 l electric water heater 4—62838
Nebenzahl, L. *see* Crowley, J.I. 4—33459
Necas, V. *see* Kramer, D. 4—33623
Nechaev, A.M. *see* Kerner, B.S. 4—36610
Nechaev, V.V. *see* Kistova, E.M. 4—41050
Nechval, N.A. Synthesis and applications of effective decision algorithms for digital image processing on a basis of statistical invariant coupling method 4—53813
Necsulescu, C. *see* Rau, N.S. 4—56450
Necsulescu, D.S., Ramakrishna, K. Electric energy demand forecasting using input-output analysis 4—34134
Nedavnii, O.I. Effects of a nonideal adder on data accumulation in scintillation monitoring with pulsed sources 4—44692
Nedbai, A.I. *see* Abramovich, A.A. 4—39756
Neddermeyer, H. *see* Hanbucken, M. 4—30551
Nedelin, E.T. *see* Golikova, E.G. 4—52818
Nedell, B.F. *see* Callas, G.P. 4—49387
Nedeltchev, M. *see* Kerin, T. 4—56117
Nedev, Z.K. *see* Stavrev, G.A. 4—33104
Nedic, S. Effect of impulse noise on data transmission using FDPSK 4—47726
Nedorost, J. The task of the pumped storage plants in the perspective development of Czechoslovak power system 4—49810
Nedungadi, A. *see* Allen, P. 4—36919
Neduzhii, G.I. *see* Stanovova, V.A. 4—59152
Needes, C.R.S. *see* Taylor, B.E. 4—36161, 4—41732
Needham, C.D. Applications of the Raman microprobe in semiconductor device manufacturing 4—47068
Needham, P.J. *see* Williams, P. 4—46340
Needham, R., Utting, I.A. Report on the future of ring developments [local area networks] 4—54441
Neef, W.S. *see* Clarkson, I.R. 4—62338
Neel, J. *see* Hofmann, R. 4—49546
Neel, L., Bailly, M., Tondeur, D. Microprocessor controlled equipment for measuring plate efficiency in distillation 4—55219
Neelakantan, K., Venkataraman, G. Phase transitions of a feedback amplifier 4—51007
Neelakantaswamy, P.S., Aspar, K.F., Rajaratnam, A., Das, N.P. Conductimetric experiment to assay the haemoglobin content of blood 4—44711
Neelakantaswamy, P.S. *see* Kisdnasamy, S. 4—30819
Ne'eman, Y., Schul, I. Israel's Dead Sea Project 4—34473
Neerhoff, F.L. *see* van der Hijden, J.H.M.T. 4—50867
Nefedov, E.I., Olenin, V.D., Rudoyasova, L.G. Higher magnetic wave modes in a regular coaxial elliptic waveguide 4—31733
Nefedov, E.I. *see* Gulyayev, Yu.V. 4—46766
Nefedov, E.I. *see* Kuraev, A.A. 4—51528
Nefedov, I.N. *see* Gurevich, G.L. 4—42215
Nefedov, S.N. *see* Zisman, A.N. 4—49039
Nefzger, A., Ittermann, H. Locomotive class 120: running technical test and permission 4—50150
Negami, T. *see* Okamura, Y. 4—47291
Negin, M. *see* McBrearty, M. 4—51690
Negishi, A. *see* Nozaki, K. 4—40418
Negishi, K. *see* Nagatomo, T. 4—50040
Neglyad, E.V. *see* Troitskii, V.A. 4—29549
Negoita, N., Lancranjan, I. Obtaining the switching of the quality factor (Q-switching) in the resonant cavity of a Nd:glass laser, using the saturable dye CN-1 4—52939
Negret, J. *see* Aprile-Giboni, E. 4—55812
Negrini, P. *see* Ostoja, P. 4—34890
Negrini, P. *see* Solmi, S. 4—51972
Negro, A. *see* Apostolico, A. 4—41304
Negru, C. *see* Zaharescu, A. 4—33125
Negrutsak, V.T., Sirtsov, S.P., Trubitsyn, E.V. Calibration of temperature lamps for checking spectral ratio pyrometers 4—55490
Nehate, L.D. *see* Patil, P.B. 4—59830
Nehl, T.W. *see* Demerdash, N.A. 4—57064
Nehl, T.W. *see* Mohammed, O.A. 4—57125
Nehls, H.-J. The mayor as publisher—Are communal information systems competition for the local Press? [Btx] 4—54281
Nehmiz, P. *see* Behringer, U. 4—52202
Nehmiz, P. *see* Duran, J. 4—42100
Nehring, D. Modeling of TTL inverter amplifiers as applied to overtone crystal clock oscillators 4—30914
Nehring, J. *see* Scheffer, T.J. 4—61462
Neidhofer, R. How do you define security? [emergency and alarm systems] 4—40808
Neiger, M. *see* Lu, J.-Q. 4—51694
Neiger, M. *see* Mizeraczyk, J. 4—47426
Neikirk, D. *see* Young, P.E. 4—39344
Neikirk, D.P., Lam, W.W., Rutledge, D.B. Advances in microbolometers 4—39191
Neikirk, D.P., Lam, W.W., Rutledge, D.B. Far-infrared microbolometer detectors 4—48904
Neikirk, D.P. *see* Tong, P.P. 4—42968
Neiko, A.V. *see* Kirianiki, N.V. 4—55685
Neil, G.R., Edighoffer, J.A., Fornaca, S. Measurements of optical beam quality in an FEL 4—47499
Neil, G.R. *see* Edighoffer, J.A. 4—47374
Neilson, D. *see* Green, F. 4—51904
Neilson, J.E. *see* Janakiraman, N. 4—32600, 4—38119
Neilson, J.M. *see* Goodman, A.M. 4—36618
Neilson, J.M.S., Duclos, R.A. Avalanche diode structure [for overvoltage protection] 4—58900
Neimark, F.P. Calibrator 'ISTOK' for electromagnetic flow-meters 4—38996
Neimark, K.N. *see* Gornov, M.G. 4—49081
Neimeyer, W. *see* Kayser, W. 4—58105
Neira, J.L.Hernandez *see* Hernandez Neira, J.L.
Neirynck, J., Zhang, Y., Muly, J.-C. The influence of the extraction order of attenuation poles on the sensitivities in *RC*-active leap-frog filters 4—51423
Neizvestnyi, I.G. *see* Gusev, G.M. 4—51763
Neizvestnyi, I.G. *see* Klimov, A.E. 4—30599
Nejedly, J. *see* Pospisil, J. 4—57112
Nejedly, K. New electro-installation devices 4—41673
Nekh, G.A. *see* Lapuk, A.G. 4—32957
Neklepaev, B.N. Allowing for the requirements of a power system in choosing the parameters of electrical machinery and transformers 4—49537
Neklepaev, B.N. *see* Morozova, J.A. 4—45393
Nekrasov, A.A. *see* Gubarev, A.V. 4—31325
Nekrasov, S.A. *see* Shabanova, Z.V. 4—40354
Nekrasov, S.L. *see* Ioffe, M.I. 4—29804
Neldner, J.H. Experience with cold precipitator on western coal at Pleasant Prairie Power Plant 4—49763
Nellis, W.J. *see* Hawke, R.S. 4—42798
Nels, C. The disposal of ascarels—status and trends in development 4—35240
Nelson, A., Gravel, R., Roberts, H., Gillham, F. Manufacturing technology for low cost couplers 4—59206
Nelson, A.H. *see* Twin, P.J. 4—49100
Nelson, A.W., Westbrook, L.D. A study of zinc doping in metallo-organic chemical vapor deposition of InP 4—41968
Nelson, A.W. *see* Chidgey, P.J. 4—60842
Nelson, A.W. *see* Frisch, D.A. 4—32798
Nelson, A.W. *see* Westbrook, L.D. 4—52983
Nelson, B.P., Blow, K.J., Doran, N.J. Synthesis of monomode fibre profiles using multivariate optimisation 4—59213
Nelson, B.P., Wright, J.V. Problems in the use of ESI parameters in specifying monomode fibres 4—59196
Nelson, D. *see* Ketzner, J. 4—29896
Nelson, D.L. Network protocols for computer systems 4—48226
Nelson, D.L., Leach, P.J. The architecture and applications of the Apollo Domain 4—48185
Nelson, D.Q. Input/output connector fixture for testing cards 4—46730
Nelson, E.T. *see* Anagnostopoulos, C.N. 4—30766, 4—36831
Nelson, G.E., Hewlett, W.R. The design and development of a family of personal computers for engineers and scientists 4—35854
Nelson, J.L. Optical processing technology for infrared sensors 4—61248
Nelson, J.P. High-altitude considerations for electrical power systems and components 4—49520
Nelson, M.D. *see* Ramer, O.G. 4—52626
Nelson, P.A. *see* Ishikawa, R. 4—40516
Nelson, R., Kleinrock, L. The spatial capacity of a slotted ALOHA multihop packet radio network with capture 4—53965
Nelson, R. *see* Lee, G. 4—29823
Nelson, R.A. *see* Naughton, M.D. 4—49690
Nelson, R.D. *see* Vu, T.T. 4—29781, 4—35746
Nelson, R.J. *see* Besomi, P. 4—42625
Nelson, R.J. *see* Dutta, N.K. 4—42637, 4—52969
Nelson, R.J. *see* Olsson, N.A. 4—37366

Nelson, R.J. *see* Schwartz, B. 4—47464
Nelson, R.J. *see* Tucker, R.S. 4—37422
Nelson, R.J. *see* Wilt, D.P. 4—52984
Nelson, S. *see* Lovewell, J. 4—54355
Nelson, S.O. Observations on the density dependence of dielectric properties of particulate materials 4—36920
Nelson, T.J., Muehlner, D.J., Rana, V.V.S., Roman, B.J., Vella-Coleiro, G.P. Experimental ion-implanted bubble memory device with 16-μm^2 cell 4—37036
Nelson, T.J. *see* Bonyhard, P.I. 4—37037
Nelson, T.J. *see* Fratello, V.J. 4—30973
Nelson, T.R. *see* Ritenour, E.R. 4—53932
Nelson, V. A history of the SWECS industry in the US 4—45370
Nelson, W. Reconstruction of a Gaussian mean from folded data 4—43323
Nelson, W.D. *see* Korn, S.R. 4—29668
Nelson, W.R. *see* Bellazzani, R. 4—33818
Nelson, W.R. *see* Hirayama, H. 4—39411
Nelson, W.R. *see* Mulera, T. 4—33679
Nelving, H.-G., Bratt, C., Percival, W., Wells, D. Design and testing of a second generation solar Stirling engine power conversion system 4—34522
Nema, R.S. *see* Inamdar, H.P. 4—58567
Nematchoua, F. *see* Capolino, G.A. 4—34760
Nembach, E. *see* Riehemann, W. 4—36999
Neme, D. *see* Janu, K. 4—61243
Nemecek, P. *see* Cihak, J. 4—55415
Nemeckova, A. *see* Cihak, J. 4—55415
Nemenov, M.I., Ryvkin, B.S., Stepanova, M.N. Optical bistability due to the Franz-Keldysh effect with incoherent unpolarized light 4—37462
Nemenyi, R. The development of the measurement, testing and control of controlled atmospheric gas 4—48682
Nemenyi, R. Isothermic annealing, in precision engineering 4—50525
Nemes, G. *see* Dumitrica, A. 4—42384
Nemes, M. Driving large capacitance in MOS LIS systems 4—36835
Nemeth, A. *see* Deak, I. 4—34110
Nemeth, K., Horak, W. Principles of the document interchange protocol for the CCITT telematic services 4—32279
Nemeth, P., Kremer, P. Active trimming of hybrid integrated circuits 4—51681
Nemhauser, G.L. *see* Grotschel, M. 4—35377
Nemier, S.E., Weiss, R.L., Yacko, P. Electronic device retainer 4—29256
Nemirko, A.P. *see* Baranovskiy, A.L. 4—39572
Nemirovskiy, A.S., Yudin, D.B. Informational complexity of mathematical programming 4—35392
Nemkov, V.S., Chervinskii, V.I., Lunin, I.V., Shafran, G.Ya. Reducing the reactive power of the loading circuit of high frequency welding equipment 4—62864
Nemogai, N.N. *see* Pashkevich, A.P. 4—61209
Nemoshkalenko, V.V., Galushko, Yu.V., Razumov, O.N., Tomashevskii, N.A. Proportional electron detector for nuclear gamma-resonance spectroscopy 4—49078
Nemoto, S. Illuminance distribution produced by a fiber bundle 4—59189
Nemoto, Y. *see* Endo, A. 4—37689
Nemoto, Y. *see* Kobayashi, K. 4—41441
Nemoto, Y. *see* Sato, R. 4—37692
Nemour, M. The block-slice structures: a new methodology for custom design VLSI 4—36790
Nemtsev, G.Z., Pekarev, A.I., Chistyakov, Yu.D. The purification of silicon from impurities using an internal getter 4—30708
Nemtsov, V.S. *see* Romanovskii, E.A. 4—49075
Nenakhov, S.A. *see* Vorob'ev, G.A. 4—36923
Nenchev, M.N. Cavity configuration in a dye laser for dispersion on the two output beams 4—42669
Nenchev, M.N., Gizbrekht, A.I. Pulsed-lamp-pumped two-frequency dye laser with high efficiency intraresonator radiation divider 4—42668
Neng Zheng *see* Zheng Neng
Nengjing Li *see* Li Nengjing
Nenov, G.A. Synthesis of SC-filters using unity-gain buffers 4—29622
Nenov, G.A. Modified signal-flow-graph approach to synthesis of SC filters with unity-gain buffers 4—30002
Nenyei, Z. *see* Kalmar, G. 4—46948
Nepochatykh, Yu.V. *see* Goncharov, A.D. 4—36984
Nepomnyashchii, V.A., Bubis, E.A., Uspenskaya, S.N. The reliability of 110-220 kV energy system in Central Asia 4—39805
Neppach, H. Development without one's own CAE aid 4—46413
Neppl, F. *see* Fischer, F. 4—36726
Neppl, F. *see* Schwabe, U. 4—52292
Neri, G., Morling, R.C.S., Cain, G.D., Faldella, E., Longhi-Gelati, M., Salmon-Cinotti, T., Natali, P. MININET: a local area network for real-time instrumentation applications 4—43759
Neri, J.M., Commisso, R.J., Goldstein, S.A., Meger, R.A., Ottinger, P.F., Weber, B.V., Young, F.C. Plasma opening switch studies 4—34801
Neri, K. *see* Murata, A. 4—39890
Neroth, C., Weiner, J., Zlotnick, F. Operating system features of the 16-bit Z800 MPU 4—41395
Nesbit, L.A., White, F.R. Oxidizable P-channel gate electrode 4—42159
Nesbit, L.A. *see* Koburger, C.W. 4—42166
Neshcheret, V.I. *see* Kychakov, V.P. 4—45028
Nesic, A. *see* Popovic, B.D. 4—42950
Neskakis, A. *see* Lieder, R.M. 4—39498
Neske, E., Landsberg, B. D-field sensor for guidance of welding 4—55438
Nesmith, B.J. *see* Jaffe, L.D. 4—34521
Ness, W.G. *see* Mulcare, D.B. 4—49376
Nessel, R.J. *see* Dickmeis, W. 4—35452
Nessim, S.M. *see* Mikhael, W.B. 4—35962
Neste, R.A. Dissecting loop antennas to find out what makes them tick 4—59856
Nesterenko, A.A. *see* Datskevich, N.P. 4—59449
Nesterenko, A.V. *see* Varabeyev, G.S. 4—41762
Nesterenko, B.A. *see* Nabok, A.V. 4—30443
Nesterenko, G.V. *see* Moeseev, V.P. 4—44477
Nesterov, A.M. *see* Pashchenko, V.P. 4—29543
Nesterov, K.P. *see* Maslov, A.F. 4—31747
Nesterovich, L.K. *see* Dovganyuk, I.Ya. 4—40231
Nestler, J., Tzivelekas, I. Capacitor turn-off connection with McMurray-type turn-off-thyristor pair of arms. II. Analysis of turn-off processes 4—49954
Nestler, J. *see* Berg, H. 4—30612, 4—58912
Nestler, K., Wicht, H. Toxic by-products and the environmentally adapted designing of electrochemical metal erosion (ECM) 4—57619
Nestler, R., Fleischheuer, H.-P. Oscilloscopes 4—61431
Nestleroth, J. *see* Rose, J. 4—46268
Neswadba, F. Power generation by Oesterreichische Donaukraftwerke [hydroelectric power stations] 4—56881
Neta, B., Victory, H.D., Jr. A higher order method for determining nonisolated solutions of a system of nonlinear equations 4—35438
Netravali, A.N. *see* Brainard, R.C. 4—38816
Nett, M. *see* Koch, B. 4—35580
Netterfield, R.P. *see* Duffy, R.M. 4—42431
Netterfield, R.P. *see* Martin, P.J. 4—47236
Nettersheim, F.X. Straight talking on anti-collision radars 4—60937
Nettles, M.L. Misdirection in multinozzle ink-jet arrays 4—47561
Netuka, I. *see* Andel, J. 4—40925
Netushil, T. *see* Abdushukurov, D.A. 4—61700
Netzelmann, U., Pelzl, J. Ferromagnetic resonance depth profiles of magnetic tapes using frequency-dependent photoacoustic detection 4—37008
Netzer, D.W. *see* McFillin, J.F., Jr. 4—44892
Netzer, M., Lupu, E., Miller, M., Maor, I. Computerized analysis and synthesis of electromagnetic environment for system electromagnetic compatibility evaluation 4—37676
Neu, G. *see* Triboulet, R. 4—29456
Neubauer, B., Wedel, U. NDT: replication avoids unnecessary replacement of power plant components 4—49729
Neubauer, C.M., Akers, L.A. Automatic VLSI layout simulation 4—52220
Neubert, E. *see* Zimmer, G. 4—36915
Neubert, P. Local communication system—state of the art in the world and some problems of implementation 4—54380
Neuffer, H. The heat power industry—district heating supply 4—45260
Neugebauer, C.A. Semiconductor chip design constraints imposed by package limitations 4—36740
Neugebauer, C.A. *see* Burgess, J.F. 4—57841
Neugebauer, F. *see* Fraser, B. 4—39061
Neugebauer, G. Considerations of the development of electricity estimates for north east Switzerland in comparison to the whole country 4—62022
Neugodnikov, V.P. *see* Bei, Yu.M. 4—45518
Neugodnikov, Yu.P. *see* Bei, Yu.M. 4—45518
Neugroschel, A. *see* Gonzalez, F.N. 4—39266
Neugroschel, A. *see* Jung, T. 4—45634
Neuhauss, H. *see* Arbel, A. 4—33905
Neuhoff, D.L. *see* Carter, M.J. 4—37805
Neuhoff, D.L. *see* Gilbert, R.K. 4—37864
Neuhoff, V. *see* Linge, H. 4—32067
Neukermans, A.P. Status of X-ray lithography at H-P 4—36659
Neuman, C.P. *see* Casasent, D. 4—53803
Neuman, M.R. *see* Mendenhall, R.S. 4—49128
Neumann, E. Flexible assembly system and new material disposability strategy for greater availability with shorter throughput times 4—35281
Neumann, J. *see* Hock, A. 4—59868
Neumann, K. *see* Becker, R. 4—50483
Neumann, K. *see* George, D. 4—48670
Neumann, K. *see* Scheer, U. 4—48671
Neumann, R. *see* Hoffer, P.B. 4—39546
Neumann, T.W. *see* Miller, T.J.E. 4—56985
Neumayr, H., Scholz, E. Hygrometer. Humidity sensor 4—39704
Neumeyer, B.M., Hartmann, T.M. Error-corrected transmission measurements at micro-wavelengths 4—53241
Neureuther, A.R., Kim, K.J., Thompson, A.C., Hoyer, E. X-ray lithography using wiggler and undulator synchrotron radiation sources 4—52157
Neureuther, A.R. *see* Grimm, M.A. 4—36743
Neureuther, A.R. *see* Hofer, D.C. 4—58839
Neureuther, A.R. *see* Leung, W. 4—36674
Neureuther, A.R. *see* Sakai, Y. 4—41994
Neureuther, A.R. *see* Yi-Ching Lin 4—30705
Neuschafer, G.F. *see* Bales, S.L. 4—56332
Neustadt, R.M. Videotex industry association model privacy guidelines for videotex systems 4—48118
Neustadter, H.E., Spera, D.A. Review of the DOE/NASA wind turbine engineering information system 4—34534
Neustadter, R.P. *see* Zdzieborski, J.H.G. 4—45233
Neustroev, L.N., Osipov, V.V. Mechanism of the flow of the current and photocurrent in polycrystalline PbS samples 4—51810
Neustroev, L.N. *see* Ikonnikova, O.G. 4—31222
Neutjens, P. *see* Davio, M. 4—53436
Neuvo, Y., Dong, C.-Y., Mitra, S.K. Interpolated finite impulse response filters 4—47848
Neuvo, Y. *see* Heinonen, P. 4—51432
Neuwirth, W. *see* Braun, G. 4—55848
Nevalainen, O. *see* Ernvall, J. 4—40938
Nevatia, R. *see* Kaufmann, P. 4—58624
Nevelsteen, J. *see* Ohlson, R.N. 4—34180
Neverov, S.G. *see* Gorbachev, A.P. 4—51532
Nevesely, M. Design and construction of a television intermediate frequency filter with an acoustic surface wave—the PBF 101 4—44241
Nevesely, M. *see* Sonsky, M. 4—58438
Neville, M.H. *see* Digirolamo, J.A. 4—58150
Neville, M.H. *see* Groves, J.O. 4—29660
Neville, R.A., McColl, W.D., Till, S.M. Development and evaluation of the MEIS II multidetector electrooptical imaging scanner 4—56266
Neville, R.C. Photovoltaic concentrators—a comparison 4—34899
Nevin, J.H., Chi, K.K. An MOS transresistance amplifier with switched capacitor feedback 4—58186
Nevins, B.D. *see* Shefer, R.E. 4—30264
Nevrev, A.I. *see* Abramovich, Yu.I. 4—43352, 4—53237, 4—53238
Nevriva, M. *see* Cermak, J. 4—29494
New, B. *see* Downing, P. 4—52267
Newberry, S., Russell, P.J., Winterbottom, N. Binary relational scheme to model structured LSI design 4—47090
Newberry, S. *see* Russell, P.J. 4—46303
Newbury, D.E. *see* Kyser, D.F. *(editor)* 4—29126
Newbury, G.E. *see* Bechard, R.R. 4—47085
Newbury, P. Hyperchaser lighting effects unit 4—46592
Newby, G.B., Theberge, J.E. Long-term behavior of reinforced thermoplastics 4—29545
Newby, K. *see* Bellows, R.J. 4—40423
Newcomb, C.V. *see* Saraga, P. 4—60994
Newcomb, R.W. *see* Chitale, S.A. 4—36916
Newcomb, R.W. *see* Dziurla, B. 4—35568
Newcomb, S.B. *see* Boothroyd, C.B. 4—51878
Newcomb, W.A. Where is the Poynting vector in an ideal transformer? 4—58574
Newcombe, A. Monitoring data circuit performance with GRAM 4—47992
Newhouse, V.L., Amir, I. Signal to noise ratio enhancement through Doppler processing 4—56115
Newhouse, V.L. *see* Shankar, P.M. 4—56116
Newkirk, G.L. *see* McDowell, A.W. 4—41685
Newkirk, J. *see* Wolf, W. 4—36768
Newkirk, J.A. *see* Jagadish, H.V. 4—51084
Newland, J.W., Tornatore, H.G. Navy command, control, and communications—an introduction 4—47981
Newman, A. Convert binary to BCD with CMOS 4—41426
Newman, B.B. *see* Jackson, A.M. 4—32459
Newman, G.H. *see* Hawke, R.S. 4—42798
Newman, H.S., Moore, W.J., Webb, D.C. Minimization of noise temperature for the hot-electron mixer 4—36075
Newman, J., Harvey, S. The many perils of the post [electronic mail] 4—32272
Newman, J.J., Fisher, R.D. Performance calculations of digital magnetic recording systems 4—37016
Newman, M., Shanks, D. On a sequence arising in series for π 4—29317
Newman, M.A. Temperature measurement using Vidicon TV cameras 4—33529
Newman, N. *see* Eglash, S.J. 4—36336
Newmann, J. *see* Long, M.L. 4—58842
Newnam, B.E. Capabilities of broadly-tunable free-electron lasers 4—59368
Newnam, B.E., Foltyn, S.R., Jolin, L.J., Carniglia, C.K. Multiple-shot ultraviolet laser damage resistance of nonquarterwave reflector designs for 248 nm 4—37437
Newnam, B.E., Warren, R.W., Boyer, K., Goldstein, J.C., Whitehead, M.C., Brau, C.A. Optical gain results of the Los Alamos free-electron laser amplifier experiment 4—47370
Newnam, B.E. *see* Foltyn, S.R. 4—37436
Newnam, B.E. *see* Warren, R.W. 4—47371
Newnham, R.E. *see* Halliyal, A. 4—47150

Newport, C. A review of thick film microwave integrated circuit technology 4—41597
Newport, R.J., Penfold, J., Williams, W.G. Electron volt spectroscopy on a pulsed neutron source 4—56034
Newrock, R., Knesel, W. The Tecmar data conversion products 4—35876
Newswanger, C.G. A modular laser graphics projection system 4—59671
Newton, A.R. *see* Deutsch, J.T. 4—35765
Newton, A.R. *see* Saleh, R.A. 4—36775
Newton, A.R. *see* Spickelmier, R.L. 4—36780
Newton, D.W. The role of universities in quality assurance 4—50571
Newton, J.M. *see* Bohlander, R.A. 4—44917
Newton, N. *see* Jepps, S. 4—38016
Newton, S.A., Jackson, K.P., Moslehi, B., Tur, M., Culter, C.C., Goodman, J.W., Shaw, H.J. Optical-fiber delay line signal processing 4—52619
Newton, S.A. *see* Jackson, K.P. 4—52620
Newton, T.J. *see* Keenan, A. 4—50360
Newton, W.B. *see* Gragg, J.E. 4—61366
Ney, H. The use of a one-stage dynamic programming algorithm for connected word recognition 4—43269
Ney, H. *see* Bourlard, H. 4—53551
Neychev, S.K. *see* Ivanova, T.N. 4—39703
Neyer, A. *see* Voges, E. 4—37166
Nezhevenko, E.E., Gofman, M.A. Principles of constructing optoelectronic active feedback computing systems 4—42453
Nezhevenko, E.S. *see* Gibina, L.A. 4—60153
Nezu, T., Harada, Y., Fukui, K., Matsumura, T., Omoto, N., Koga, H. PCM sound demodulator for direct satellite broadcasting 4—54987
Nezu, T. *see* Fukui, K. 4—54988
Ng, K.K., Taylor, G.W., Celler, G.K., Trimble, L.E., Bayruns, R.J., Povilonis, E.I. Comparison of enhancement/depletion inverter speed in bulk Si and SOI circuits 4—36867
Ng, M. *see* Mehta, S. 4—58991
Ng, M.J.T. *see* Hoang, D.B. 4—43017
Ng, S.K., Caines, P.E., Chen, H.F. A parameter estimation problem on manifolds 4—43046
Ng, S.S. A technique for spectral component location within a FFT resolution cell 4—60123
Ng, W., Sovero, E.A. Network modeling of the modulation response for buried heterostructure injection lasers 4—52961
Ngai Hung Hong *see* Linder, P. 4—51194
Ngan, K.N. Hierarchical transmission of multilevel images for videotex systems 4—38244
Ngan, Y.C. *see* Holmes, E.W. 4—32770
Nghi, N.T. *see* Regel, L.L. 4—50734
Ngoc, T.D.K., Mayer, W.G. Characterization of localized surface elastic defects by nonspecular reflection at the Rayleigh angle 4—58070
Ngok Thai Pham *see* Pham Ngok Thai
Nguen An' Tuan Discriminator of informative features in a speech signal 4—59957
Nguen Kim Hieu Calculating the reliability of busbar-connection schemes by computerised identification of fault types 4—62661
Nguen Tkhi Sha *see* Basiladze, S.G. 4—61721
Ngueyen Hong Shon *see* Tsurkan, G.I. 4—30294
Nguiyen, P.H. *see* Es-Slassi, A.R. 4—62702
Ngundam, J.M., Short, M.J. Prediction of circuit breaker reliability 4—34803
Nguy, T.N. *see* Rajagopalan, V. 4—57214
Nguy Huu Tam, Meyer, Y.H. Intensity stabilization by controlled self-injection in a pulsed ring dye laser 4—31417
Nguyen, B.D. *see* Bhargava, V.K. 4—37884
Nguyen, C., Chang, K. 140 GHz broadband crossbar stripline mixers with over 20 GHz instantaneous RF bandwidth 4—41583
Nguyen, C.L. Using Telidon as a low cost graphic terminal 4—33175
Nguyen, Ch.T. *see* Malewski, R. 4—56705
Nguyen, D. Compensation techniques for high-frequency power converters 4—46345
Nguyen, D.H. *see* Rizk, F.A.M. 4—45144
Nguyen, D.T., Miller, B.D. On the noise performance of actively-compensated op-amp filters 4—35939
Nguyen, D.T., Miller, B.D. State-space noise calculation for single-operational-amplifier RC filters 4—41474
Nguyen, D.Thong *see* Thong Nguyen, D.
Nguyen, I.T. Calibration of a deep ocean instrumented riser joint by internal pressure 4—62899
Nguyen, L.N. *see* Albuquerque, J.P.A. 4—31845, 4—47729, 4—47730
Nguyen, L.T. *see* McVicker, C.P. 4—34698
Nguyen, M. *see* Salerno, J.J., Jr. 4—32239
Nguyen, Q. *see* Kalter, H. 4—30799
Nguyen, T.D. Direct control of a set reset flip flop from an address decoder 4—35740
Nguyen, T.D. Testing a high resolution M×N matrix-display array 4—61265
Nguyen, T.H., Lynnworth, L.C. Zigzag flow cells 4—55760
Nguyen, T.T., Shapiro, J.H., Wong, A.K., Epstein, D.J. Atmospheric optical communications for local area networks 4—32824
Nguyen, T.T.A., Cinti, R.C. Electron spectroscopy study of Mo/Si(111) interfaces 4—41898
Nguyen, T.V. A triangle of coefficients for Chebyshev polynomials 4—57969
Nguyen, V.S., Pan, P.H. Initial transient phenomena in the plasma enhanced chemical vapor deposition process 4—50804
Nguyen Duy, M. *see* Meslage, J. 4—52786
Nguyen Vu Son *see* Michalik, W. 4—57025
Ni, L.M., Wong, K.Y., Yen, D.W.L. Single pass method for labeling black/white image objects [pipeline processing] 4—43439
Ni Erhu Method of calculation of loss tangent for dielectric measurement using TE_{01n} helical cavity 4—47143
Ni guo-qiang *see* Zhou Li-wei 4—51725
Ni Hui-ling *see* Zhu Qi-ming 4—44689
Ni Weixing *see* Wang Jitao 4—30683
Ni Zhaojing, Lin Pinxiang Simplified calculation of interference between geostationary satellite networks and a suggestion for equitable sharing of orbit/spectrum resources 4—54734
Niblack, C.A. *see* Bailey, G.C. 4—61374
Niblack, W.K. *see* Kintigh, D.W. 4—58515
Nichiporovich, L.V. *see* Portnoi, G.A. 4—45563
Nicholas, C., White, S. Studio acoustics for the eighties 4—38761
Nicholas, J.M.C., Ransome, S.J. An ultra wideband monolithic amplifier 4—36080
Nicholas, R.J. *see* Ambrosch, K.E. 4—51853
Nicholas, R.J. *see* Brummell, M.A. 4—51850
Nicholas, R.J. *see* Portal, J.C. 4—51848
Nicholl, T.M., Lee, D.T., Liao, Y.Z., Wong, C.K. On the X-Y convex hull of a set of X-Y polygons 4—30667
Nicholls, G. Computer output driver 4—29941
Nichols, D.K., Booker, J.R., Larzelere, W. Testing and commissioning of a modular UHV AC outdoor test system 4—56703
Nichols, D.N. *see* Anagnostopoulos, C.N. 4—30766, 4—36831
Nichols, K.B. *see* Donnelly, J.P. 4—59264
Nichols, K.B. *see* Yee, C.M.L. 4—46937
Nichols, K.G. Simulation from system design to chip design 4—46302
Nichols, M.H. *see* Cox, T.F. 4—47786
Nichols, M.J. *see* Jervis, B.W. 4—44745
Nichols, N.K., Van Dooren, P. Robust pole assignment and optimal stability margins [in linear systems] 4—50914
Nichols, W.H., Bried, F., Valentine, R.D., Harder, J.E. Advances in capacitor starting 4—34659
Nicholson, A. Developments in ILEA television 4—60985
Nicholson, B. Plug-in turns benchtop component ATE into telephone-handset-device tester 4—33105
Nicholson, B. Novel A/D converters, built-in facilities extend DMM accuracies and capabilities 4—39212
Nicholson, B. Innovative high-voltage power supplies provide a multitude of specs, packages 4—40329
Nicholson, B. Emerging telecomm scheme to standardize electronic mail 4—54149
Nicholson, G. Effect of fibre endface angle on the measurement of the mode spot size from the far-field pattern 4—59233
Nicholson, M.M. Electrochromic flat-panel multicolor displays 4—42416
Nicholson, P.T. *see* Rees, N.W. 4—34433
Nicia, A. *see* Finke, H.-G. 4—48482
Nicinski, S.A. Development of a remotely operated ship hull inspection vehicle 4—61975
Nicita, C. The engineer and the workplace 4—50425
Nickel, D.J. Element trimming fusible link 4—36716
Nickel, R., Kohlhepp, P. The computer-aided optimization with the program CACAO 4—29608
Nickels, R. *see* Bach, J. 4—44401
Nickelson, R.L. Domestic satellite system concepts 4—60785
Nickelson, R.L. *see* Bellchambers, W.H. 4—53987
Nickola, W.E. *see* Redner, A.S. 4—55704
Nickum, J.D., Smith, R.D. Summary of the ISM measurements program at Ohio University 4—37586
Nicol, D. *see* Berry, P. 4—34492
Nicol, D.A. *see* Lipson, J. 4—54823
Nicola, C. Stepped-motor control with Forth 4—40276
Nicolae, G.C. Design and implementation aspects of a bus-oriented parallel image processing system 4—53874
Nicolai, J. *see* Fazzini, N. 4—33570
Nicolai, J. *see* Perez Ferreira, E. 4—33564
Nicolais, R.F. *see* Gilje, H.B. 4—48054
Nicolaou, M.C. The magnesium silicide germanide stannide alloy: a new concept in ocean thermal energy conversion 4—34954
Nicolas, A. A boundary integral equation approach for eddy current calculations 4—31597
Nicolas, A. *see* Krahenbuhl, L. 4—31560
Nicolas-Thepaut *see* Legras-Paccaud 4—54608
Nicolau, E. Reciprocity and conservation relations for general electromagnetic and piezoelectric phenomena 4—59689
Nicolet, M.-A. *see* Bartur, M. 4—30539, 4—30569, 4—46867
Nicolet, M.-A. *see* Ho, K.T. 4—58029
Nicolet, M.-A. *see* Kung, K.T.-Y. 4—41893
Nicolet, M.-A. *see* Lien, C.-D. 4—52029
Nicolet, M.-A. *see* Speriosu, V.S. 4—51812
Nicolet, M.-A. *see* Zhu, M.F. 4—51865
Nicolin, B. *see* Gabler, R. 4—32064
Nicolino, T.A. *see* Fennell, T.L. 4—45962
Nicolis, J.S. The role of chaos in reliable information processing 4—43021
Nicoud, J.-D. Expectations of standardization 4—51297
Nicu, V. Preventing the internal energy consumption increase of the thermal power plants 4—40053
Niculescu, N. *see* Natase, L. 4—51722
Nie Chaojiang *see* Huang Hungchia 4—37150
Nie Jian-sun *see* Yang Jia-yuan 4—57993
Nie Tao *see* Zhou Xuliang 4—59939
Niebauer, M.J., Babbs, C.F., Geddes, L.A., Bourland, J.D. The efficacy and safety of defibrillation with 10-millisecond trapezoidal waves of different tilts 4—44767
Nieckarz, J. Testing of Polish photoelectric transmitters for flame control in boiler burners and furnace chamber 4—44509
Nied, H.A., Schlansker, C.A. The thermostructural analysis of electric contacts using a finite element model 4—41635
Nieda, H. *see* Murashima, S. 4—59702
Niedenthal, E. Radio reconnaissance, surveillance and location by the police 4—38717
Nieder, R., Vey, K., Ivens, G. Combined conditioning in the high-temperature experimental nuclear reactor (AVR) at Julich 4—45248
Nieder, R. *see* Zschetke, J. 4—45212
Niederer, P. *see* Birchler, B. 4—61765
Niederer, W. *see* Alcorn, C.N. 4—47086
Niederkofler, D.A. *see* Saari, R.A. 4—50134
Niederl, K., Heindler, M. Feasibility study of advanced fuel burning nuclear reactors 4—34327
Niederlander, P.L. *see* Carpentier, J.L. 4—39833
Niedermayr, E. *see* Chiu, M.-Y. 4—43460
Niedermeier, W. Office experts in the bus network 4—43767
Niedra, J.M. *see* Daehnick, W.W. 4—39416
Niedrig, H. Micro area—thickness determination through electron back scattering 4—55696
Niedrig, H. *see* Kyser, D.F. *(editor)* 4—29126
Niehage, U. *see* Edwin, K.W. 4—34158
Niehenke, E.C., Steigerwald, T.E., Lisenbardt, A.E. New limiters protect low-noise FET amps 4—41579
Niekamp, K. The Weiterstadt substation—the first switchgear assembly of the German Federal Railway with 40 $kA/16^2/_3$ vacuum circuit breakers 4—49993
Nield, T. AC vs. DC drives and their applications in the textile industry 4—57439
Nielsen, B. Interest in Danish experiences with wind mills 4—40176
Nielsen, B., Carlsson, C.A. Energy imparted to fluorescent screens from primary and scattered radiation. Variations with atomic composition and screen thickness 4—33820
Nielsen, C.J. Bandwidth-limiting effects in coherent optical communications systems based on polarisation-preserving fibres 4—38613
Nielsen, C.J., Osmundsen, J.H. Linewidth stabilization of semiconductor lasers in an external cavity 4—52954
Nielsen, G., Pedersen, H. Digitalization plans for the Danish trunk network 4—60402
Nielsen, R. Personal computer and logic analyser form a complete system 4—44468
Nielsen, R.L. *see* Lee, T.H. 4—37230
Niemann, K., Sack, H.-A. Constructing the O-Bahn system in Australia 4—62745
Niemann, M. Mains-frequency induction furnaces and additional equipment for economic foundries 4—45775
Niembro, R. *see* Basu, M. 4—55958
Niembro, R. *see* Ghosh, d. 4—33747
Niemela, P. *see* Leppavuori, S. 4—48834
Niemeyer, J., Hinken, J.H., Kautz, R.L. Microwave-induced constant-voltage steps at one volt from a series array of Josephson junctions 4—59160
Niemeyer, W.G. *see* Avery, W.H. 4—34523
Nieminen, R. *see* Sara, E. 4—48358
Nieng, K.Y. *see* Heidorn, R.E. 4—32587
Niepokulczycki, T. Properties of analog multiplying circuits 4—46591
Niepold, R., Brummer, F. Visual sensor system for arc welding applications 4—55440
Niermann, U. Logic analysis using disassemblers in the timing diagrams 4—55310
Nieters, H. *see* Budde, R. 4—32094
Nieto, J. *see* Gascon, D. 4—49257
Niewiadomski, B. *see* Kamler, J. 4—44216
Niewiadomski, S. A 36:1 reduction drive with indicator scale 4—43936
Niewierski, W.J. 8- and 16-bit processors round out high-level C-MOS architecture options 4—35839
Niewierski, W.J. CMOS micros enter the mainstream 4—46484
Niezgodzinski, T. *see* Mlotkowski, A. 4—57019

Nieznanski, J., Krajewski, R.A. PLL firing-angle controllers with multiphase phase detectors 4—46332
Niftiev, G.M., Tagiev, B.G., Khalilov, A.O., Abushov, S.A. Lasting relaxations and residual conductivity in $InSe_{1-x}S_x$ single crystals 4—30387
Nigam, A.K. *see* Chaturvedi, U.K. 4—36452
Niggemann, R.E. *see* Bland, T.J. 4—39664
Nighan, W.L. *see* Nachshon, Y. 4—47413
Nighiguchi, N. *see* Kawanishi, H. 4—36731
Nightingale, C.R. The design of mobile engine driven generating sets and their role in the British Telecommunications network 4—56865
Nightingale, C.R., Mealing, A.W. A new 3 kVA standby diesel generating set for use in small remote telephone exchanges 4—56864
Nightingale, C.R. *see* White, I.G. 4—56527
Nigmanov, T.S. *see* Baker, S.I. 4—33727
Nigrin, J. Photovoltaic systems for Canadian prairie regions [photovoltaic generators] 4—57365
Nihei, F., Yamaguchi, K., Kobayashi, H., Kashima, N. Laying and construction technique for the first stage optical subscriber loop 4—44093
Nihei, F. *see* Kashima, N. 4—37130
Nihei, F. *see* Kawase, M. 4—42355
Nihei, F. *see* Koyama, M. 4—44098
Nihei, F. *see* Kukita, S. 4—44091
Nihei, F. *see* Maekawa, E. 4—61564
Nihei, F. *see* Yoshida, K. 4—52657
Nihei, K. *see* Nishikawa, S. 4—59322
Nihira, H. *see* Niitsu, Y. 4—36856
Nii, P.H. Signal-to-symbol transformation: reasoning in the HASP/SIAP program 4—60126
Niijima, K. A uniformly convergent difference scheme for a semilinear singular perturbation problem 4—35447
Niimi, T. *see* Matsumoto, S. 4—41828
Niina, T. *see* Yoneda, K. 4—50786
Niinikoski, T.O. *see* Fiorini, E. 4—55844
Niino, S. *see* Katayama, S. 4—62731
Niiro, Y. *see* Ishikawa, Y. 4—43921
Niitsu, Y., Matsukawa, N., Matsunaga, J., Nozawa, H., Kohyama, S. Data retention and read/write characteristics of SEPROM 4—51253
Niitsu, Y., Nihira, H., Kanzaki, K., Kohyama, S. Resistance modulation effect due to current injection and CMOS latchup 4—36856
Niitsu, Y. *see* Matsukawa, N. 4—30810
Niizuma, H. *see* Matsuki, H. 4—39578
Nijhawan, O.P. *see* Datta, P.K. 4—48737
Nijhawan, S.C. *see* von Alpen, U. 4—57313
Nijnuis, H.T. *see* van Leeuwen, K.A.H. 4—42381
Nijsen, C.G. And the music went round and round on rolls, disks, or reels. I 4—33040
Nijsen, C.G. —And the music went round and round on rolls, disks, or reels. II 4—38949
Nikai, I. *see* Isshiki, N. 4—50114
Nikaido, T., Miyahara, N., Horiguchi, S. Digital switch LSIs for digital local switching system 4—38404
Nikanorov, A.S. *see* Larionov, M.G. 4—32875
Nikawa, Y., Iwamoto, M., Mori, S., Kikuchi, M. Waveguide applicator with convergent lens for localized microwave hyperthermia 4—44773
Niki, K. *see* Masuyama, H. 4—34314
Nikias, C.L. Fast block data processing via a new digital filter structure 4—30032
Nikias, C.L. A new realization scheme of periodically time-varying digital filters 4—53756
Nikias, C.L., Raghuveer, M.R. Multi-dimensional spectral estimation via parametric models 4—37996
Nikias, C.L., Scott, P.D., Siegel, J.H. Computer based two-dimensional spectral estimation for the detection of prearrhythmic states after hypothermic myocardial preservation 4—44743
Nikias, C.L. *see* Helme, B. 4—31989, 4—53721
Nikias, C.L. *see* Raghuveer, M.R. 4—60116
Nikias, C.L. *see* Venetsanopoulos, A.N. 4—53741
Nikiforov, V.G. *see* Engoyan, T.M. 4—44174
Nikiforov, Yu.A. *see* Kostyuchenkova, E.N. 4—58183
Nikiforova, G.L. *see* Andreev, L.N. 4—47495
Nikiforova, V.N. *see* Zhezhelenko, I.V. 4—39763
Nikitchenko, V.V. *see* Didenko, Yu.I. 4—42960
Nikitenko, A.G., Grinchenkov, V.P., Kovalev, O.F. Study of temperature fields of electrical apparatus by a method of finite elements 4—58590
Nikitenko, A.G. *see* Kol'chenko, A.P. 4—37391
Nikitenko, D.P. *see* Kil'dishev, V.S. 4—40212
Nikitenko, N.F., Kuksa, N.N., Sycheva, T.A. Automated interference measurements in the quality control of surfaces 4—44306
Nikitin, A.I., Danilochkin, V.P., Kavitskii, S.B. Principles of organising a system of universal and function protocols of virtual files 4—32482
Nikitin, B.K. *see* Vernik, S.M. 4—32251
Nikitin, I.O. *see* Gergel', V.A. 4—52136
Nikitin, I.O. *see* Nagin, A.P. 4—52803
Nikitin, K.K. *see* Aleksanyan, A.A. 4—37828
Nikitin, M.A. *see* Brechko, N.S. 4—39817
Nikitin, M.M. *see* Arkhipenko, N.A. 4—45464
Nikitin, M.V. *see* Zakhar'yash, V.F. 4—52916
Nikitin, P.I. *see* Ageev, V.P. 4—59679
Nikitin, V.A. *see* Ivanov, V.N. 4—52601
Nikitin, V.G. *see* Gaybullayev, S. 4—52077
Nikitin, V.G. *see* Zadiranov, Yu.M. 4—36571
Nikitin, V.V. *see* Alekseev, V.A. 4—37513
Nikitin, V.V. *see* Zibrov, A.S. 4—31465
Nikitina, E.P. *see* Ivanov, V.N. 4—52601
Nikitina, E.V. Solution method for problems of diffraction of electromagnetic waves by non-closed surfaces of revolution 4—47583
Nikitina, N.V. *see* Gusev, V.A. 4—36564
Nikityuk, N.M. Optimal data encoding in hodoscopic systems 4—33723
Niklas, L. *see* Rose, J. 4—46268
Niklasson, G.A., Craighead, H.G. Threshold laser powers of textured optical storage media 4—59185
Niklasson, G.A., Granqvist, C.G. Optical properties and solar selectivity of coevaporated Co-Al_2O_3 composite films 4—40489
Nikolaev, G.A., Dovgal', V.P. Automatic power regulation of 6-10 kV filter compensators 4—40336
Nikolaev, G.A., Grigor'yants, A.G. Laser treatment in mechanical engineering 4—59654
Nikolaev, G.O. *see* Merenkov, V.N. 4—48579
Nikolaev, M.I. *see* Galandarov, G.A. 4—47354
Nikolaus, B. *see* Szabo, G. 4—47431
Nikolayev, F.Ya. *see* Ginzburg, V.M. 4—37493
Nikolayeva, K.S. The low-frequency limit for using ferrite circulators 4—37033
Nikolic, B. Forms of low voltage city cable networks 4—34173
Nikolic, B. Size of urban area which is supplied by HV/LV TS in regard of applied type of medium voltage net [transformer substations in district network] 4—45094
Nikolina, A.A. *see* Krumshtein, Z.V. 4—49098
Nikolov, B. *see* Nanev, K. 4—46758
Nikolov, I. *see* Nikolova, V. 4—34869
Nikolov, N.D. *see* Simeonova, Yu.M. 4—48896
Nikolova, V., Nikolov, I., Vitanov, T., Yotova, L. Corrosion resistance and catalytic activity of tungsten carbide in phosphoric acid 4—34869
Nikonov, A.V. *see* Rouzanov, I.V. 4—48545
Nikoov, A.V. *see* Voronkov, A.I. 4—61303
Nikorich, A.V. *see* Mashovets, D.V. 4—30395
Nikorich, V.Z. *see* Mashovets, D.V. 4—30395
Nikulin, S.M. *see* Bubnov, G.G. 4—42988
Nikul'skii, E.V. Electronic picture-and-sound editing 4—61088
Niles, L.T. *see* Oh, Y.H. 4—53537
Nilius, P. *see* Antonitsch, S. 4—30155
Nilov, K.E. *see* Babikova, Yu.F. 4—39494
Nilsen, R.N. A six-degree-of-freedom aircraft simulation using CSSL-IV 4—49370
Nilsson, A. Many demands on computer networks 4—48199
Nilsson, A. *see* Hubing, N. 4—32430
Nilsson, A.A. *see* Chitale, S.A. 4—36916
Nilsson, A.A. *see* Dassel, K.A. 4—38174
Nilsson, B. *see* Henderson, T. 4—36393
Nilsson, G., Pettersson, H. Controlled radiation ceiling for thermal treatment of patients 4—33859
Nilsson, G.E. Signal processor for laser Doppler tissue flowmeters 4—44735
Nilsson, H. The United Stirling 4-95 and 4-275 engines in underwater use 4—40561
Nilsson, K.B. The total approach to information management 4—60362
Nilsson, L.R. *see* Wender, S.A. 4—39499
Nilsson, O. *see* Saito, S. 4—60841
Nilsson, S.L. *see* Perkins, M.D. 4—62132, 4—62133
Nilsson, S.L. *see* Russell, B.D. 4—53232
Niman, S.R. *see* Scheidt, J.L. 4—56461
Nimmo, W., Gibbs, B.M. Waste gasification and pyrolysis for low-grade fuel gas 4—34257
Nimura, T. *see* Nishiuchi, K. 4—51229
Ninan, J. *see* Rajan, Y.S. 4—61904
Ning, T. *see* Luh, P.B. 4—35358, 4—50639
Ning, T.H., Tang, D.D. Method for determining the emitter and base series resistances of bipolar transistors 4—36551
Ning, T.H., Tang, D.D. High performance lateral bipolar transistor on insulating substrate 4—52067
Ningchiang Cheng *see* Cheng Ningchiang
Ninomiya, H. *see* Nagase, H. 4—57424
Ninomiya, I. *see* Hasegawa, T. 4—57893
Ninomiya, I. *see* Yoshida, T. 4—57970
Ninomiya, K. Optical attitude sensors for spacecraft 4—56245
Ninomiya, K., Yamamoto, H., Aoyama, J., Tanaka, T., Kimura, A. A new approach to static closed-loop test of attitude control systems employing rate-integrating gyro-sensors 4—44843
Ninomiya, K. *see* Memita, N. 4—45128
Ninomiya, T. *see* Nakahara, M. 4—57187
Ninomiya, Y., Ohtsuka, Y. A motion-compensated interframe coding scheme for NTSC color television signals 4—37846
Ninomiya, Y., Ohtsuka, Y., Haba, I., Okada, M. Television flicker eliminator for lighting by a fluorescent lamp 4—48588
Niori, M., Saito, T., Joshin, K., Mimura, T. Noise performance of microwave HEMT 4—41602
Niori, M. *see* Tokumitsu, Y. 4—38511
Niquil, M. From the Biarritz experiment to integrated videocommunication networks 4—43900
Nir, J., Tslaf, A.L. Low-current electric arc on insulation surface: Experimental investigation 4—39904
Nirenberg, L.M. Tymnet's use of digital radio for the delivery of value added network services 4—32664
Niriki, T. *see* Kawashiro, S. 4—47124
Nisbet, W.T., Hastings, W.I., Helszajn, J. Microwave bandwidth of high-power ferrite devices biased between the main and subsidiary resonances 4—51522
Nisenholtz, M. The product development process [videotex] 4—48164
Nisenholtz, M. Advertising on videotex: what we've learned 4—54223
Nishi, H. *see* Imamura, K. 4—47026
Nishi, H. *see* Ueda, O. 4—37359
Nishi, H. *see* Wakao, K. 4—37363, 4—42615
Nishi, H. *see* Yokoyama, N. 4—47025, 4—51227
Nishi, I. *see* Nagaoka, S. 4—54781
Nishi, K. *see* Lang, R. 4—46844
Nishi, S. Distress communications via satellite 4—32731
Nishi, S. *see* Fujita, M. 4—44024
Nishi, S. *see* Kitazawa, I. 4—52647
Nishi, T. Topological condition for the nonlinear resistive networks to have a unique solution 4—46277
Nishi, T., Chua, L.O. Nonlinear op-amp circuits: existence and uniqueness of solution by inspection 4—35657
Nishibori, H. *see* Okada, T. 4—35265
Nishida, K., Iwasaki, H., Taguchi, K. Ge and InGaAs avalanche photodiodes for long wavelength optical communication use 4—54742
Nishida, M., Yoshimura, N., Noto, F. Process of dry belt formation on surface of organic insulating materials in tracking breakdown 4—52343
Nishida, M. *see* Yoshimura, N. 4—42200
Nishida, S. *see* Yoneyama, T. 4—58508
Nishida, T. *see* Miyamoto, S. 4—36756
Nishida, Y. *see* Iwamura, S. 4—48730
Nishigaichi, T., Eto, T. Operation results on economical radio and switching equipment for nationwide automobile telephone service 4—32249
Nishigaki, S., Nakamura, J., Murano, K., Tatsuki, K. Dielectric characteristics of modified $SrTiO_3$ ceramics and their application to a high-voltage capacitor 4—51560
Nishigaki, S. *see* Himuro, M. 4—54999
Nishigaki, S. *see* Murano, K. 4—52701
Nishigaki, S. *see* Terunuma, K. 4—52346
Nishigaki, T. *see* Sato, N. 4—32673
Nishigouri, A. *see* Okada, T. 4—35265
Nishihara, A. Sensitivity reduction in a digital lattice filter 4—35966
Nishihara, A., Murakami, M. Signal-processor-based digital filters having low sensitivity 4—30014
Nishihara, E. *see* Sugai, M. 4—58387
Nishihara, H. *see* Mito, K. 4—31546
Nishihara, H. *see* Takahashi, H. 4—47349
Nishihara, M. *see* Yamada, K. 4—52177
Nishii, K. *see* Nagano, K. 4—46414
Nishii, S. *see* Sakaki, H. 4—51844
Nishijima, T. *see* Iwamiya, T. 4—40134
Nishijima, Y. *see* Shinohara, K. 4—59503
Nishikado, I., Sato, H., Kitahara, S., Yamashita, S. Voice storage system for centralized extension system 4—54041
Nishikado, I. *see* Koike, H. 4—38410
Nishikawa, K. *see* Takebe, T. 4—41493
Nishikawa, K. *see* Yamamoto, S. 4—48983, 4—61212
Nishikawa, M. A note on the analysis of the isolated read signal in digital magnetic recording using surface flux density 4—47193
Nishikawa, M., Kameari, A., Tsukamoto, T., Matsuoka, F., Yasojima, Y. The development of design and analysis program systems of nuclear-fusion facilities 4—62323
Nishikawa, M., Kirihara, A. The effect of write head saturation on the characteristics of digital magnetic recording 4—47194
Nishikawa, M. *see* Abe, A. 4—55596
Nishikawa, M. *see* Kurihara, N. 4—55190
Nishikawa, M. *see* Yoshida, K. 4—52621
Nishikawa, S., Dubois, G.E. Fiber optics and local area networks 4—60537
Nishikawa, S., Kakinuma, H., Watanabe, T., Kaminishi, K., Nihei, K. Electrophotographic photoreceptor for laser diode printer with amorphous silicon germanium alloy 4—59322
Nishikawa, S. *see* Takahashi, H. 4—60188
Nishikawa, S. *see* Tomita, S. 4—60460
Nishikawa, T. *see* Wakino, K. 4—30102
Nishiki, S. *see* Kobayashi, K. 4—60713
Nishikori, A. *see* Aoki, K. 4—45057
Nishimoto, C. *see* Aebi, V. 4—42045
Nishimura, A. *see* Ito, F. 4—45278
Nishimura, E., Morita, N., Kumagai, N. Theoretical study on the coupling of two-dimensional Gaussian beam to a dielectric slab waveguide 4—53265
Nishimura, F. *see* Okada, T. 4—42564
Nishimura, K., Miwa, M. An underground distribution system for densely-laid underground facilities areas 4—34181

Nishimura, K. *see* Fujimoto, F. 4—58043
Nishimura, M., Shigesawa, H., Kodama, M., Taira, K., Komiyama, A. Comments on 'Calculation of impedence of posts in waveguides by a current simulation method' by M. Kodama and K. Taira and also on 'Analysis of scattering problems by means of charge simulation method' by A. Komiyama [and their replies] 4—42920
Nishimura, M., Takamatsu, S., Shigesawa, H. An experiment on the electromagnetic scattering of conducting cylinders with rectangular cross-section 4—42848
Nishimura, M., Takamatsu, S., SHigesawa, H. A numerical analysis of electromagnetic scattering of perfect conducting cylinders by means of a discrete singularity method improved by optimization process 4—53203
Nishimura, M. *see* Matsuda, Y. 4—53509
Nishimura, T. Researches on guidance and control in the Institute of Space and Astronautical Science 4—33912
Nishimura, T. On the steady-state solutions of fixed-interval and fixed-point smoothers 4—43361
Nishimura, T. Deep space tracking and control system 4—56258
Nishimura, T., Matsumoto, K., Kudo, O., Murayama, M., Ooka, H., Koyata, K., Tsubokura, F. An advanced 11k gate CMOS gate array with fully automated design system 4—58286
Nishimura, T. *see* Akasaka, Y. 4—30791, 4—47107
Nishimura, T. *see* Koshio, T. 4—54911
Nishinaga, T., Kazuno, T., Tanbo, T., Koide, J., Pak, K., Nakamura, T., Yasuda, Y. Behavior of macrosteps and grooves during LPE growth as observed by photoluminescence images 4—30329
Nishinaga, T. *see* Pak, K. 4—29489
Nishine, S. *see* Yokogawa, M. 4—61189
Nishino, H. *see* Matsumoto, H. 4—50977
Nishino, O. *see* Hosaka, R. 4—56099
Nishino, S., Suhara, H., Matsunami, H. Reproducible preparation of cubic-SiC single crystals by chemical vapor deposition 4—50831
Nishino, T., Nakayama, H., Hamakawa, Y. Photoluminescence characterization of impurities and defects in semiconductors 4—46806
Nishino, T. *see* Hatano, Y. 4—42288
Nishinoma, M., Kobayashi, T., Ohata, K., Hayakawa, T., Sumiya, S., Kimura, C. Optical fiber-power composite submarine cable 4—54759
Nishinuma, Y., Di Cristo, A., Espesser, R. How does vowel duration affect loudness in a CV syllable? 4—43237
Nishio, K. *see* Yabe, H. 4—46614
Nishioka, H. *see* Usami, A. 4—50049
Nishioka, M. *see* Arakawa, Y. 4—42656, 4—52944
Nishioka, T. APS evaluates thermal property analyzer 4—34239
Nishioka, T., Shinoda, Y., Ohmachi, Y. Single-crystal Ge films on SiO_2-coated Si wafers by laterally seeded heteroepitaxy 4—50777
Nishioka, T. *see* Kumabe, H. 4—53015
Nishioka, T. *see* Ohmachi, Y. 4—37245
Nishioka, Y. *see* Kimura, S. 4—41106
Nishisawa, T. *see* Kobayashi, M. 4—44030
Nishitani, K. *see* Takano, S. 4—30650
Nishiuchi, K., Kobayashi, N., Kuroda, S., Notomi, S., Nimura, T., Abe, M., Kobayashi, M. A subnanosecond HEMT 1 Kb SRAM 4—51229
Nishiuchi, K. *see* Abe, M. 4—30817
Nishiuchi, K. *see* Mimura, T. 4—36851
Nishiuchi, K. *see* Takenaga, M. 4—52527
Nishiwaki, Y. *see* Yoshida, K. 4—52621
Nishiya, K. *see* Morozumi, S. 4—57320
Nishiya, K.-I. *see* Ishihara, K. 4—56549
Nishiya, T., Funabashi, M. A basis factorization method for multistage linear programming problems with an application to optimal operation of an energy plant 4—49556
Nishiyama, H. *see* Fujishima, S. 4—51018
Nishiyama, S. *see* Miki, I. 4—45688
Nishiyama, S. *see* Tsuzuki, S. 4—62145
Nishizako, S. *see* Matsumoto, F. 4—34580
Nishizawa, J. Semiconductor engineering [for high-power devices] 4—46985
Nishizawa, J. Electron active device, LSI 4—47095
Nishizawa, J., Itoh, K., Okuno, Y., Sakurai, F., Koike, M., Teshima, T. Recent advances in visible LEDs 4—37244
Nishizawa, J. *(editor)* Semiconductor technologies 4—45829
Nishizawa, J.-i., Tamamushi, T., Suzuki, S. SIT image converter 4—48756
Nishizawa, K., Hirano, M. Present status of local area network systems using optical fibers in Japan 4—43762
Nishizeki, T., Sato, M. An algorithm for edge-coloring multigraphs 4—50668
Nishizeki, T. *see* Chiba, N. 4—40958
Nishizeki, T. *see* Matsumoto, K. 4—29363, 4—57922
Nishizono, T., Kanemaki, K., Yano, J. Multilink procedure for packet switched networks 4—43492
Nishizono, T., Yoshida, Y. An analysis on multilink packet transmission system 4—32096
Nishizuka, N. *see* Nakatsuyama, M. 4—55306
Nishry, E. *see* Miller, S. 4—37773
Nissan-Cohen, Y., Shappir, J., Frohman-Bentchkowsky, D. Characterization of simultaneous bulk and interface high-field trapping effects in SiO_2 4—36625
Nissen, G. *see* Grundey, T. 4—55787
Nitadori, Y., Ifukube, T. Evaluation of the optimal parameters for a monosyllabic voice recognition system 4—53469
Nithiyanandam, N. A liquid crystal sandwich screen for real-time 3-D color display 4—48966
Nithiyanandam, N. *see* Balasubramonian, K. 4—44429
Nitka, D.N. Third-party support of AT&T Information Systems/Net 1000 4—32452
Nitka, S., Sobczyk, M. Failures of motors operated in underground mines 4—45815
Nitkiewicz, H. Analytical method for the determination of thyristor thermal model parameters 4—30613
Nitschke, H.A. *see* Schaeper, H.R.A. 4—38685
Nitschke, J.M. The application of alpha spectrometry to the discovery of new elements by heavy-ion beam bombardment 4—56012
Nitta, J., Matsuda, A., Kawakami, T. Propagation properties of fluxons in a well-damped Josephson transmission line 4—31072
Nitta, J. *see* Hohkawa, K. 4—51369
Nitta, K. *see* Nakamura, M. 4—54751
Nitta, T., Okada, T., Naito, T., Moriyasu, S. Analysis of damper winding current of synchronous generator due to space subharmonic mmf 4—34612
Nitta, T. *see* Abe, A. 4—55596
Nitta, T. *see* Watanabe, S. 4—31917
Nitzsche, K. *see* Koprinarow, N. 4—36158
Niu, K. *see* Ushida, N. 4—56030
Niu Fang, Wang Zhongyang, Fan Wo, Xu Bingchen, Zhang Weicheng The preparation of carrier free radioisotope ^{109}Cd 4—39398
Niu Yong *see* Ding Da-cheng 4—34003
Nivert, K. *see* Gunnarsson, R. 4—47988
Niwa, K. *see* Kanemasa, A. 4—31708
Niwa, K. *see* Suzuki, Y. 4—59131
Niwa, K. *see* Ushida, N. 4—56030
Niwa, M., Tashiro, Y., Minemura, K., Iwasaki, H. High-sensitivity Hi-Lo germanium avalanche photodiode for 1.5 μm-wavelength optical communication 4—47344
Niwa, T. *see* Imai, M. 4—56887
Nix, T.A. *see* Close, A.D. 4—52165
Nixon, K. *see* Yager, T.A. 4—58631
Nizhegorodov, S.P. *see* Gershberg, A.E. 4—48594
Nizimov, V.B., Karachunskii, P.Sh., Magda, I.I., Dudnik, G.G., Barkov, G.P. Automatic noncontacting device for magnetic field suppression on synchronous electric motor drives used in electric power station ball mills 4—40230
Nizimov, V.B., Kolychev, S.V. Contactless excitation system of synchronous motor with forced magnetic field quenching mode 4—34621
Niznik, C.A. Performance evaluation of the computer network dynamic congestion table algorithm 4—32088
Niznik, C.A. CNS quantization for VLSI implementation of robotic neural systems 4—39574
Njoku, E.G. Workshop comparisons of satellite sea-surface temperature measurements 4—56327
Noack, K. *see* Glawischnig, H. 4—36451
Noack, M., Eissing, G., Hettinger, T. Sensor for measuring thermal radiation at work places 4—48890
Noack, S. *see* Will, D. 4—55204
Noad, J.P. *see* MacDonald, R.I. 4—42482
Noah, M.J. Optimal Lloyd-Max quantization of LPC speech parameters 4—53490
Noailly, P. *see* Daugan, G. 4—43494
Nobbs, R. Esprit: Europe's electronic challenge 4—38132
Nobe, K. *see* Wikstrom, L.L. 4—34837
Nobel, B. *see* Harris, S.J. 4—30855
Nobes, M.J. *see* Carter, G. 4—42006
Nobile, P.A. *see* Cagnetta, A.C. 4—49755
Nobili, D. The formation of p/n junction of silicon solar cells by conventional thermal predeposition processes 4—45666
Noble, J.E. *see* Riggle, P. 4—33884
Noble, T.F. *see* Earl, M.W. 4—40387
Noble, W. *see* Scheuerlein, R.E. 4—51248
Nobles, C.A. *see* Blattner, J.D. 4—51154
Noblet, P. *see* Pacaut, R. 4—34635
Nobrega, E. *see* Fitzpatrick, J.F. 4—34051
Nobusada, T. *see* Kamiura, Y. 4—36413
Nobusawa, T. *see* Kutomi, Y. 4—50105
Nobuyoshi, T., Morita, N., Kumagai, N. Analysis of optical waveguide junctions by means of an integral equation method 4—59215
Nobuyoshi, T., Unrau, U. Refractive index measurements of diffused optical fiber 4—42400
Nochka, I.T. *see* Popov, V.M. 4—50453
Nochumson, D.H. *see* Altseimer, J.H. 4—40570
Nochumson, D.H. *see* Frank, J.A. 4—40569
Nocker, R., Orgass, G. Desk-computer control of traffic-metering equipment [telecommunications] 4—38151
Noda, H. Preamplifiers for measurement of rapid and smaller absorbance changes 4—58174
Noda, J. *see* Okamoto, K. 4—42343
Noda, J. *see* Sasaki, Y. 4—52597
Noda, M., Okuyama, M., Hamakawa, Y. Carrier trapping centers and interface states induced by RF sputtering of molybdenum electrodes in MOS-structure diodes 4—46888
Noda, M. *see* Oh-uchi, N. 4—36810
Noda, S. *see* Yabe, S. 4—36760
Noda, T., Abe, Y. LSIs for character and graphic information display terminals [text communication] 4—54204
Nodes, T.A., Gallagher, N.C., Jr. The output distribution of median type filters 4—53612
Nodes, T.A., Liao, G.Y., Gallagher, N.C., Jr. Statistical analysis of two dimensional median filtered images 4—53933
Nodine, M. *see* Falk, G. 4—32183
Nodop, K. *see* Quenzel, H. 4—61935
Noe, I. *see* Zevnik, C. 4—46696
Noe, M., Gosbell, V.J. Effect of current limiting on DC drive performance 4—62718
Noel, B.W. *see* Gobby, P.L. 4—36231
Noel, B.W. *see* Phillips, G.C. 4—39425
Noel, B.W. *see* Yates, G.J. 4—37220
Noel, F.E., Jr., Stammely, T.E. Faraday-effect fiber-optic switch 4—31196
Noel, J.-P., Houghton, D.C., Este, G., Shepherd, F.R., Plattner, H. Characteristics of DC magnetron, reactively sputtered TiN_x films for diffusion barriers in III-V semiconductor metallization 4—46971
Noel, L. *see* Pomroy, C. 4—33894
Nofel, P.J. Modems: specifications and speculations 4—38368
Nogami, G. Semiconductor heterojunction electrode. IV. An XPS/AES study of iron-oxide-coated amorphous silicon 4—34877
Nogami, S., Komota, Y., Hoshiko, Y. Analysis of the GI/E_k/1 queue with finite waiting room by the supplementary variable approach 4—57903
Nogami, T. *see* Nawa, M. 4—57322
Nogami, T. *see* Toyota, S. 4—57327
Nogita, S. *see* Koyama, S. 4—35095
Noguchi, H., Ikeda, O., Toda, M. Electronic energy-metering equipment for electric-energy management 4—34234
Noguchi, H. *see* Inatsu, M. 4—61044
Noguchi, K. A 100-km-long single-mode optical-fiber fault location 4—31120
Noguchi, K. Ultra-long optical fiber fault location using a Ge-PIN photodiode cooled by liquid nitrogen 4—31152
Noguchi, K., Murakami, Y., Ishihara, K. Ultra-long multi-mode optical fiber fault location using the stimulated Raman scattering effect 4—38636
Noguchi, M. *see* Minemura, H. 4—31083
Noguchi, M. *see* Yamamoto, H. 4—37170
Noguchi, N. *see* Sakai, T. 4—43719
Noguchi, S. *see* Matsuyama, A. 4—48244
Noguchi, S. *see* Onozato, Y. 4—32098, 4—43796
Noguchi, S. *see* Takahashi, K. 4—48243
Noguchi, S. *see* Varakulsiripunth, R. 4—53981
Noguchi, T. *see* Kawashima, S. 4—51526
Noguchi, Y., Teramachi, Y., Musha, T. 1/f frequency fluctuations of a quartz oscillator and temperature fluctuations 4—42207
Noguchi, Y. *see* Hatata, M. 4—34224
Noguchi, Y. *see* Matsuoka, T. 4—31374
Noguchi, Y. *see* Suzuki, Y. 4—42621
Noguchi, Y. *see* Ushida, N. 4—56030
Noguera, A. *see* Wasim, S.M. 4—36297
Noguez, G. An interactive design checker by behavioural simulation on layout 4—36890
Nohara, N. *see* Murayama, H. 4—39472
Noirel, Y. The technology of hybrid videographic systems 4—48143
Nojima, H. *see* Koyama, S. 4—43365
Nojima, T., Okamoto, Y., Ohyama, S. Predistortion nonlinear compensator for microwave SSB-AM system 4—32683
Nojiri, Y. *see* Asahi, K. 4—39417
Nojiri, Y. *see* Sugiura, Y. 4—61105
Nojo, S. *see* Kawashima, K. 4—43566
Nokali, M.El *see* El Nokali, M.
Nolan, P.J. *see* Twin, P.J. 4—49100
Nold, B. Equipment for generating 16 VHF/FM audio-frequency signals 4—46392
Nolen, J.A., Jr. *see* Morrissey, D.J. 4—61675
Noll, A. *see* Deutsch, W.A. 4—43396
Noll, T. *see* Ulbrich, W. 4—51469
Noll, T.G. *see* Kavaler, R. 4—53541
Noller, P. An electronic security lock 4—30039
Nollet, A.R., Greeley, R.H. Startup and shakedown of Albany New York Solid Waste Energy Recovery System 4—56846
Nolt, I.G., Radostitz, J.V., Predko, S., Ade, P.A.R., Davis, J.E., Carli, B. A three-channel ^{3}He-cooled bolometer for sub-mm balloon spectroscopy of the stratosphere 4—39710
Nolte, F.S. *see* Stringfellow, T.E. 4—34419
Nolte, L.W. *see* Earp, S.L. 4—53707
Nolting, E. *see* Motz, K. 4—50274
Nolvak, V. *see* Wilson, D.A. 4—36949

Nomarski, G. *see* Hamed, A.M. 4—42419
Nomoto, M., Hattori, M., Aoki, T. Application of optical-fibre cables to seabed survey 4—39733
Nomura, H. Flux pinning mechanism and fundamental theory of superconductors 4—37076
Nomura, H. *see* Ishigami, A. 4—38384
Nomura, H. *see* Kasahara, K. 4—31230, 4—37227, 4—52966
Nomura, H. *see* Kobayashi, K. 4—52999
Nomura, H. *see* Suzuki, A. 4—31246
Nomura, H. *see* Uji, T. 4—52821
Nomura, M. *see* Yabe, S. 4—36760
Nomura, N. *see* Kawamura, Y. 4—30872
Nomura, O. *see* Koshimura, Y. 4—62801
Nomura, S., Kaneta, K. $Ba(Mn_{1/3}Ta_{2/3})O_3$ ceramic with ultra-low loss at microwave frequency 4—47142
Nomura, S. *see* Uchino, K. 4—52767
Nomura, T., Nakamura, S., Uda, S., Iwamoto, M., Okada, M. Finite element analysis of operational impedance of superconducting alternators 4—34610
Nomura, T., Shiokawa, S., Moriizumi, T., Yasuda, T. Fresnel-type IDT for underwater focusing ultrasonic wave 4—44932
Nomura, T. *see* Yamashita, H. 4—34713
Nomura, Y. A method to measure yawing angle and horizontal position of tunnelling machine 4—61541
Nomura, Y., Okada, H., Nakanishi, Y. Performance evaluation of CSMA/CD with various back-off protocols 4—43499
Nomura, Y. *see* Hasegawa, T. 4—57088
Nomura, Y. *see* Ueda, H. 4—47873
Nomura, Y. *see* Umezu, T. 4—61542
Nonaka, H. *see* Matsumoto, T. 4—29474
Nonaka, S., Fujii, K. Brushless self-excited three-phase synchronous motor driven by voltage source inverter 4—56954
Nonaka, S., Furukawa, T. Effect of stationary pulsating magnetomotive force component of the single layered high speed LIM 4—57074
Nonaka, S., Neba, Y. Commutation control of current source inverter using GTO thyristors 4—49976
Nonaka, S. *see* Shinohara, K. 4—50138
Nonaka, T. *see* Nakamura, H. 4—30652
Nonaka, Y. *see* Murashima, S. 4—59702
Nondahl, T.A., Hicken, M.S. Microprocessor-based gate pulse generator for a phase-controlled rectifier 4—29715
Nongaillard, B. *see* Gazalet, M.G. 4—52724
Nonomura, K. *see* Matsuura, M. 4—55601
Nonomura, K. *see* Suemune, I. 4—53017
Noomen, J.G. *see* Donne, A.J.H. 4—56032
Noon, C. Fan selection and control for variable air volume systems 4—57578
Noon, L. *see* Shields, V. 4—40499
Noonan, V. *see* Lee, A. 4—56743
Noor, A.I. Design philosophy of a portable and extensible network message processor software for microcomputer networks 4—32429
Noorda, R. Transportable operating system promotes network benchmarks 4—48239
Noort, H.M.van *see* van Noort, H.M.
Noppe, J.M. *see* Brand, C. 4—33639
Norbury, J.R. *see* Barton, S.K. 4—38573
Norbury, J.R. *see* Vilar, E. 4—31665
Norcott, M.H. *see* Ritz, K.N. 4—52228
Nordbryhn, A. Sampling and aliasing problems with imaging arrays 4—55255
Nordby, K.S. *see* Adams, A.T. 4—37619
Norde, H. *see* Elfsten, B. 4—47002
Nordell, B. Measurement of photoneutron energy spectra from tin, lead and uranium using an NE-213 neutron spectrometer 4—61730
Nordenberg, I., Bar-David, I. Mutual tracking in phase and delay of randomly modulated signals 4—47731
Nordgard, J.D., Frank, F.W. Electromagnetic compatibility analysis facility (EMCAF) 4—37674
Nordhof, J. *see* Balley, V. 4—56854
Nordholt, E.H. Design aspects of analogue transducer electronics. I 4—48888
Nordman, J.E. *see* Beyer, J.B. 4—36049
Nordman, J.E. *see* Tsuge, H. 4—31064
Nordquist, A.E. *see* Trofimenkoff, F.N. 4—33255
Nordqvist, A. ROCKDISC—A microcomputer-based core logging system 4—33962
Nordsieck, A.W. *see* Lin, P.M. 4—35587
Nordstrom, L. Office communication system DIAVOX 2836 4—32558
Noreika, A.J. *see* Farrow, R.F.C. 4—46223, 4—50761
Noreika, A.J. *see* Wood, S. 4—50776
Norel, G. Ultrasonic borehole monitoring 4—33967
Norell, K.E., Baltzer, P. A high duty cycle low cost multichannel analyzer for electron spectroscopy 4—51065
Noren, L.-O. *see* Eriksson, G. 4—43558
Norfolk, D.J. *see* Butterfield, J.M. 4—62316
Norgaard, O. Strategy for the introduction of wide-band network with optical fibre conductors 4—44114
Norgaard, O. Photoluminescence of measurements [of temperature] 4—44635
Norgaard, O. Surface mounting—a new technique wins powerful ground 4—50526
Norgett, M.J., Walker, J.F. An investment model for a central electricity generating system 4—34076
Norian, R. Handling communications with grace 4—60302
Norigoe, M. *see* Ikeda, Y. 4—54520
Norigoe, M. *see* Mori, H. 4—54542
Norman, A.T. The Robbins Tunnel Boring machine 4—57676
Norman, J.W., III FlexiKey—a low-cost, key-oriented digital effects generator 4—47914
Norman, P. *see* McElvanney, S.G. 4—38165
Normand, G. *see* Pergrale, J. 4—39532
Normand-Cyrot, D. *see* Dang Van Mien, H. 4—34244
Normandin, R. *see* Khoo, I.C. 4—53073
Normann, N. Incremental linear transducer using Wiegand sensors 4—44502
Norris, M.T. *see* Kerswell, B.R. 4—54582
Norris, T., Bhalsod, M. Low-cost bar-graph indicator for AC signals 4—61258
Norstrom, H. *see* Ostling, M. 4—47073
Norsworthy, J.P. *see* Banker, D.C. 4—29653, 4—29741, 4—29971, 4—29972, 4—30575
Northcote-Green, J.E.D. *see* Willis, H.L. 4—56502, 4—56592
Northcott, R. Why use mobile communications? 4—44008
Northwood, E.J., Weisinger, R.C., Bradley, J.J. Recommended standards for digital tape formats 4—61909
Norton, J.F. *see* Cohen, S.S. 4—52035
Norton, R.L. *see* Asmus, D.P. 4—35192
Norton, S.J., Testardi, L.R., Wadley, H.N.G. Reconstructing internal temperature distributions from ultrasonic time-of-flight tomography and dimensional resonance measurements 4—55731
Norton-Wayne, L. The automated enhancement of images used in diagnostic medicine 4—56089
Norwood, R. *see* Linder, P. 4—51194
Norz, A. Transmission technology. On the road to an integrated communications network 4—54049
Nosaka, K. *see* Hirosaki, B. 4—53774
Nosal'skaya, N.I. *see* Sandovskii, V.A. 4—35535
Nosek, J. Nonlinear electric equivalent circuit of the piezoelectric resonator 4—42204
Nosenko, S.V. *see* Aizenberg, I.A. 4—30558
Noshitani, T. LIS processors for digital signal processing 4—29922
Nosich, A.I., Shestopalov, V.P. Characteristic impedance and energy losses in a cylindrical slotted transmission line 4—31716
Nosich, A.I., Shestopalov, V.P. Excitation of a partially shielded round dielectric rod by lumped sources 4—59833
Nosich, A.I. *see* Andrenko, D.D. 4—36012
Nosik, L.P., Stupel, A.I., Tsfasman, G.M. Ensuring reliability of a regulating system for a rectifier-inverter substation 4—40318
Nosov, S.I., Zubchenko, A.S., Glushkova, T.B., Shpak, S.A., Titova, N.N. Submerged arc welding of equipment for a V-1000 atomic power plant 4—35070
Nosov, V.V. *see* Eremin, A.V. 4—35257
Nosov, V.V. *see* Gorelov, L.V. 4—61104
Nosrati, H. *see* Rohrer, R.A. 4—50893
Nossal, M.P.J. The Technicon Ektacytometer: automated exploration of erythrocyte function 4—61767
Nossek, J.A., Barth, H. 16-state QAM-modem for a 140Mbit/s digital radio system family 4—32531
Nossek, J.A. *see* Barth, H. 4—43937
Nossek, J.A. *see* Fettweis, A. 4—51463
Nostrand, A.Van *see* Van Nostrand, A.
Nosu, K., Taylor, H.F., Rashleigh, S.C., Weller, J.F. Acousto-optic phase modulator and frequency shifter for single mode fiber 4—52742
Noto, F. *see* Nishida, M. 4—52343
Noto, F. *see* Yoshimura, N. 4—42199, 4—42200
Noto, R. *see* Smith, D.C. 4—29760
Notomi, S., Iwanaga, M., Kawata, Y., Yokomizo, H. Report on triport uninterruptible power system (triport system with transistor inverter) 4—56537
Notomi, S. *see* Nishiuchi, K. 4—51229
Noton, M. A Filtered Attitude Determination System for spacecraft measurement and control 4—44836
Nottarp, K. *see* Wardrip, C. 4—39331
Nottenburg, R., Buhlmann, H.J., Bischoff, J.C., Ilegems, M. MBE $Al_xGa_{1-x}As/GaAs$ phototransistors sensitive at low illumination 4—37226
Notthoff, J.K. *see* Shapiro, P. 4—29856
Notthoff, J.K. *see* Troeger, G.L. 4—29882
Notthoff, J.K. *see* Vogelsang, C.H. 4—30816
Nouailhat, A. *see* Loualiche, S. 4—30597
Nouel, C. Exploring the vagaries of traps 4—59848
Nouel, C. Build your own microphone equalizer 4—60671
Nouel, C.C. How to build a practical function generator 4—46376
Nouel, C.C. How to build a cheap and easy RF noise bridge 4—47699
Noufi, R.N. *see* Bhattacharya, R.N. 4—46234
Nougier, J.P. *see* Aubert, J.P. 4—51735
Nouh, A. *see* Ula, N. 4—29383
Nouhi, A. *see* Kowel, S.T. 4—59275
Noujaim, A.E. *see* Inbar, G.F. 4—61795
Noujaim, S.E. *see* Ho, C.Y. 4—58430
Nour, H. *see* Cheng, T.C. 4—30826
Nour, N.E. *see* Jensen, B.K. 4—34332
Nouri, M., Braine, M.R. Design considerations for a larger INMARSAT standard ship earth station 4—38516
Nourney, C.E. Infinite sustain through controlled feedback in amplified guitars 4—44350
Nouta, R. *see* de Graaf, A.C. 4—29811
Novak, F. *see* Dobrin, A. 4—51077
Novak, I. High resolution radio frequency measurements 4—61483
Novak, J. *see* Peterlin, P. 4—49503
Novak, R.P. *see* Heitmann, W. 4—47273
Novak, T., Trutt, F.C., Morely, L.A. Analysis of DC mine power systems with respect to electrical safety 4—56603
Novak, T. *see* Trutt, F.C. 4—56687
Novak, W., Schatzmann, G. Full-load rejection testing of a 1300 MW cross-compound turboset 4—62382
Novak, W.T. A lithography system for X-ray process development 4—36660
Novak, W.T. *see* Fay, B. 4—52161
Novash, V.I. *see* Aleksandrov, I.N. 4—40232
November, L.J., Stauffer, F.R. Derivation of the universal wavelength tuning formula for a Lyot birefringent filter 4—52755
Novender, W.-R., Muller, W. 3-dimensional nonlinear calculations of magnetic fields in turbogenerators 4—34575
Novgorodtsev, A.B. *see* Mierin', M.A. 4—45675
Novgorodtseva, L.A. *see* Savkina, I.V. 4—47261
Novik, A.I. *see* Grinevich, F.B. 4—61311
Novik, A.I. *see* Lezhoev, R.S. 4—44489
Novik, G.Kh. Functional signature testing of reprogrammable fixed memory microcircuit structures with ultraviolet erasure 4—29877
Novik, G.Kh. *see* Kudryashov, V.I. 4—39119
Novik, Ya.A., Dirba, Ya.A., Brakanskii, U.K. Determination of characteristics of salient pole alternator based on dynamic nonlinear theory of electric machines 4—56973
Novikov, A.A. *see* Mel'nik, V.I. 4—39389
Novikov, A.A. *see* Rot, A.A. 4—55728
Novikov, A.G. *see* Fedorov, A.A. 4—41194
Novikov, A.V. *see* Rozhentsev, V.S. 4—33131
Novikov, E.I. Dynamic operating mode of diffraction optical-heterodyning schemes 4—37163
Novikov, L.S. *see* Akishin, A.I. 4—58673
Novikov, N.N. *see* Gomakov, Yu.I. 4—56952
Novikov, S.I. Implementation of a load reduction safeguard against external grid failure for a 210 MW power unit 4—40104
Novikov, S.I., Karpov, V.Kh., Mikhal'chenko, V.G., Zhitkevich, I.V. Results of introduction of process safeguards with decrease in load of a generating unit with a gas/oil-fired boiler 4—49787
Novikov, S.S., Maidanovskiy, A.S. Matched operation of synchronized self-excited oscillators into a common load 4—29697
Novikov, S.V. *see* Golubev, L.V. 4—50789
Novikov, V.A., Sinitsyn, A.K., Fertman, V.E. Dependence of maintained pressure drop on volume of sealing ferrofluid layer 4—59136
Novikov, V.N. Solution of electrostatic problems by numerical methods 4—53141
Novikov, V.V., Kriventsev, V.I., Drozdov, V.V. Optimal location of equipment in an autonomous power system 4—39839
Novikov, Ya.A. One approach to multiple fault detection in PLAs 4—46405
Novikov, Yu.D., Luchuk, V.F. Influence of rotor eccentricity on the value of the axial magnetic fluxes of asynchronous motors 4—62537
Novikov, Yu.N. *see* Kontorovich, M.I. 4—47670
Novikova, E.R. *see* Borodulin, V.I. 4—42662
Novikova, I.A., Pyl'tsov, I.S., Semenov, V.S., Semenov, O.S. Estimation of the parameters of flaws in real time in case of random perturbations 4—35538
Novikova, T.V. *see* Koval'skii, R.V. 4—62820
Novil, M. *see* Donakowski, T. 4—49660
Novitskii, F.N. *see* Gusev, E.A. 4—35559
Novitskii, M.G. *see* Brozdnichenko, A.N. 4—51697
Novitskii, V.G. Optimisation of the distance between the excitation windings of a superconducting generator 4—62548
Novkovski, N. *see* Mavrodiev, G. 4—30352
Novobrantsev, I.V. *see* Baranov, V.Yu. 4—59450
Novoderezhkin, R.A. *see* Karelin, V.Ya. 4—45326
Novoderezhkin, V.I. *see* Gafurov, Kh.G. 4—37306
Novodvorskii, O.A., Korn, G., Zorov, N.B., Kuzyakov, Yu.Ya., Polze, S. Investigation of the stimulated-emission characteristics of a longitudinally pumped laser utilizing a grazing-incidence holographic grating 4—42588
Novoselac, Z. Prevention from the unpermissible transferred potential values 4—39922
Novoselov, A.M. *see* Vyatkin, A.P. 4—46854
Novoselov, S.S. *see* Gavrilov, A.F. 4—40062
Novosel'skii, O.Yu. *see* Karasev, V.B. 4—40026
Novotny, D.W. *see* Kirschen, D. 4—57041
Novotny, D.W. *see* Sneyers, B. 4—57415

Novotny, J., Huttel, I., Srobar, F. Technology of the (Al,Ga)As/GaAs double heterostructure lasers 4—42620
Novotny, J., Srobar, F., Moravec, F., Zelinka, J. Liquid phase epitaxial growth of (Ga,Al)As/GaAs double heterostructures under controlled arsenic vapour pressure 4—30328
Novotny, M. *see* Dusek, Z. 4—30128
Novotny, V. Methods of electric power transmission to large cities 4—45041
Novotny, Z. Plasma etching of dielectric layers in dichlorhexafluorocyclobutane 4—52027
Novozhilov, Yu.N. Method of checking the condition of hydraulic gates and safety valves of deaerators 4—40049
Novozhilova, Yu.V. *see* Ginzburg, N.S. 4—37541
Novruzova, F.M. *see* Abdinov, D.Sh. 4—51774
Novskii, V.A. *see* Shidlovskii, A.K. 4—45102, 4—62146
Novy, F. *see* Dzmuran, R. 4—44662
Nowack, G. Design methods for shockproofed ionization-chambers (up to 100 G) 4—39441
Nowaczyk, E. Principles of selecting resistors for an operational converter 4—46343
Nowak, K. The West German convoy is making good progress 4—34288
Nowak, K. Fire safety in electrical installations through the use of leakage current protection switch. II 4—35247
Nowak, K. Fire protection in electrical installations by error current protection switch. I 4—39924
Nowak, K. Extensive product range satisfies new installation standards. Cables, lines and electrical installations at the Hanover Fair 4—56610
Nowak, M. Oscillatory dependence of the interference photomagnetoelectric effect and photoconductivity on magnetic field 4—30295
Nowak, M., Przeradzki, A., Biernacki, A. Microprocessor control of thyristor chopper 4—49966
Nowak, M., Strzyzewski, W. Thyristor driven sets for the sugar industry—a review of the present national production and prospects of development 4—57667
Nowak, M. *see* Jozwikowski, K. 4—59309
Nowak, R. Business policy aspects of Btx 4—54286
Nowak, R. Communication in computer networks—TRANSDATA PDN offers new functions 4—54394
Nowakoski, D.B. On the reconstitution of the national telecommunications resource 4—38180
Nowakowski, A. New design solutions of measuring apparatus for electronic industry developed in Gdansk Technical University 4—48685
Nowakowski, A., Staszak, Z., Gajkiewicz, J. Problems of analysis of thermal phenomena and electrothermal interactions in bipolar integrated circuits 4—36803
Nowakowski, J.W. Analytical determination of secondary winding leakage reactance of bushing-type current transformer 4—34716
Nowick, A.S. *see* Toulouse, J. 4—36934
Nowicki, A., Reid, J. An ultrasonic method for the investigation of coronary graft patency 4—56080
Nowicki, E. VLSI board designs demand enhanced testing capabilities 4—52184
Nowicki, K., Siemek, S. Wiring conduits 4—62219
Nowicki, M. *see* Salamon, R. 4—55394
Nowland, W.L., Houterman, M.J. Unique features of the AUSSAT communications satellites 4—48444
Nowotny, S. Computer-aided application of the exergy concept to optimize the operating conditions of refrigeration machines 4—62836
Noyce,, R.N. *see* Childs, R.E., Jr. 4—35863
Noyola-Isgleas, A., Blasquez-Paredes, J., Jimenez-Moreno, I., Chavez-Cortes, M., Garcia-Garduno, M. Microcomputer analysis of signal characteristics of EMG 4—49219
Noyori, M., Nakata, Y. Interaction between water and scaled CMOS FETs with phosphosilicate glass passivation films 4—47044
Noyori, M., Yasui, J., Ishihara, T., Higuchi, H. Characteristics and analysis of instability induced by secondary slow trapping in scales CMOS devices 4—52293
Nozaki, K., Kaneko, H., Negishi, A., Ozawa, T. Performance of ETL 2 kW redox flow cell 4—40418
Nozaki, K. *see* Anzai, H. 4—29435
Nozaki, K. *see* Ichinose, M. 4—42856
Nozaki, K. *see* Kikuchi, T. 4—31656, 4—44185
Nozaki, K. *see* Ohtani, A. 4—31655
Nozaki, M. *see* Doke, T. 4—55963
Nozawa, H. *see* Isobe, M. 4—51307
Nozawa, H. *see* Matsukawa, N. 4—30810
Nozawa, H. *see* Niitsu, Y. 4—51253
Nozawa, T. *see* Tomita, S. 4—60460
Nozdrin, A.A. *see* Antipov, Yu.M. 4—61731
Nozoe, T. *see* Uchimura, K. 4—54989
Nuccio, C. Holder for substrate and mask with compensation for expansion during heating associated with vacuum deposition 4—46246
Nuchel, W. The design of microcomputer-controlled devices. III. Representation of functional and data structures 4—57589
Nuchel, W., Piller, U. Design of microcomputer-controlled products. I. An overview 4—50472
Nuckols, M.L., Purer, A., Deason, G.A. The design of axial flow canisters for carbon dioxide absorption 4—61830
Nuckols, M.L. *see* Lippitt, M.W., Jr. 4—61809
Nuclicek, V. *see* Vlcek, M. 4—56802
Nudd, G.R. *see* Narayan, S.S. 4—52278
Nudel'man, G.S. *see* Lyamets, Yu.Ya. 4—36113
Nudel'man, P.Ya. Certain properties of bilinear series and orthogonal expansions of a random process with a bounded spectrum 4—29349
Nuding, W. *see* Link, R. 4—50844
Nuese, C.J. *see* Goodman, A.M. 4—36618
Nuez, J.P. *see* Coelho, F. 4—41315
Nufer, R.W. *see* Herron, L.W. 4—33463
Nuhrmann, D. Oscilloscope tester HZ60, bandwidth snooper, a compact test equipment with steep pulses 4—61410
Nuhrmann, D., Tangermann, W.P. User's test: Grundig oscilloscope MO 53. High sensitivity up to almost 70 MHz 4—33343
Nukiyama, T., Kusano, T., Matsumoto, K., Kurokawa, H., Hoshi, T., Goto, H., Temma, T. A VLSI image pipeline processor 4—51306
Nukuda, T. *see* Matsuda, Y. 4—50041
Nulman, J., Krusius, J.P. 2-GHz 150-μW self-aligned Si MESFET logic 4—42165
Numaguchi, Y. Japanese teletext system 4—48082
Numao, T. *see* Bryman, D. 4—33632
Numata, S. *see* Yamaguchi, K. 4—56968
Numata, T. *see* Ishida, K. 4—54985
Numazaki, T. *see* Chiba, I. 4—42996
Numberger, R. High power laser diodes—what for? 4—47461
Nunez, F. *see* Aldana, F. 4—34517, 4—57367
Nunnally, W.C., Hammond, R.B. 80-MW photoconductor power switch 4—42477
Nunnally, W.C., Hammond, R.B. Photoconductive power switches 4—59330
Nunne, W.H. *see* Speilberger, R.K. 4—58649
Nunnelley, L.L. Determination of defect length in disk coatings by autocorrelation 4—37015
Nuno, A.P., Vaz, W.E., Bacon, J., Doane, W. Reentrant phases: a new potential for liquid crystal displays 4—55611
Nunokawa, M., Mochizuki, K., Namihira, Y., Kuwazuru, M., Yamamoto, H. Optical loss measurement results on an experimental optical fibre submarine cable of 30 km length 4—38612
Nunoshita, M. *see* Kyuma, K. 4—52638
Nunoshita, M. *see* Mitsunaga, K. 4—52964, 4—59517
Nurden, W.K.van *see* van Nurden, W.K.
Nurden, W.K.Van *see* Van Nurden, W.K.
Nuriev, F.N., Perlatov, V.G., Antipin, V.E., Gusarov, V.R., Zubatyi, B.L., Grinberg, I.S. Performance indices and metrological support of general-purpose ultrasonic flaw detectors 4—50861
Nurkas, V.G. *see* Belousov, A.N. 4—45800
Nurmi, R. *see* Byckling, E. 4—32015
Nurnberg, H.W., Valenta, P. Potentialities and applications of voltammetry in chemical speciation of trace metals in the sea 4—44926
Nurnberg, H.-W. *see* Mart, L. 4—44923
Nurnberger, G. *see* Becker, R. 4—50537
Nusinovich, G.S., Sher, E.M. Theory of nonstationary processes in cyclotron resonance masers with counterrunning waves 4—31260
Nusinovich, G.S., Sher, E.M. Nonsteady processes in cyclotron-resonance maser with opposing waves 4—42495
Nusinovich, G.S. *see* Flyagin, V.A. 4—58690
Nusinovich, G.S. *see* Luchinin, A.G. 4—36185, 4—36209
Nuspl, P.P. *see* Kamal, S.S. 4—32781
Nuss, H.E., Reimann, J. The new space simulation and thermal vacuum facility WSA/TVA 4—44835
Nussbaum, N.S. *see* Gruner, J.A. 4—56162
Nussbaumer, H.J., Vetterli, M. Computationally efficient QMF filter banks 4—51460
Nussbaumer, H.J. *see* Galand, C.R. 4—47843
Nussbaumer, H.J. *see* Vetterli, M. 4—60042
Nussberger, A.A. Electrical power subsystem designs for an initial low-cost facility (LCF) space station 4—39656
Nussrainer, B. Master computer with interface for AMS-M and SMP buses 4—46511
Nutt, P.C. Planning process archetypes and their effectiveness 4—50381
Nuttall, J. Evolution of the subscriber connection units used in the E 10 system 4—48348
Nuttall, J. New functions for digital switching systems: evolution not revolution 4—54568
Nuttall, J., Oxaal, J. A 16-bit three port arithmetic logic and shift unit 4—60070
Nuttall, J. *see* Dintersmith, T. 4—41422
Nuttall, L.J., McElroy, J.F. Potential of fuel cell power plants for undersea vehicle propulsion 4—40571
Nuttall, L.J. *see* Erickson, A.C. 4—40426
Nutter, R.S., Jr., Voltz, W.R. Generation of coal mine environmental data using computer model—mine fire scenario 4—50456
Nuzhin, V.K. *see* Babenko, A.I. 4—31784
Nuzzo, R.G. *see* Green, M.L. 4—41094
Nyaiesh, A.R., Watson, J.D., Morgon, J., Elphick, C. Metallization of plastics by magnetron sputtering for application of membrane switching 4—41114
Nyavyarauskas, A.V. *see* Rupkus, S.S. 4—36981
Nycum, C.W., Silver, W., II In-line environmental test facilities for the DIVADS radar 4—50505
Nyenhuis, J.A., Friedlaender, F.J., Matsumoto, S. Influence of a modulated bias field on dynamic conversion in a rotating gradient experiment 4—30977
Nyffeler, F.M., Ebneter, J., Baechtiger, R. Application of SAW devices for combined filtering/multiplexing and ranging in a novel CIWS radar IF signal processor 4—52413
Nyffeler, F.M. *see* Steffen, A. 4—52385
Nyfors, E. Radio frequency measurement probes for industrial use 4—32299
Nygren, D.R. *see* Iwasaki, H. 4—33647
Nygren, S. *see* Ostling, M. 4—47073
Nygren, S.F. *see* Swaminathan, V. 4—46924
Nylander, C., Armgarth, M., Svensson, C. Hydrogen induced drift in palladium gate metal-oxide-semiconductor structures 4—58807
Nyssen, E. *see* Block, P. 4—49241

Oakes, J.B. IEEE continuing education activities—quest for the future 4—40740
Oakey, K.R. Some consequences of the shadow-mask CRT dot structure 4—61255
Oakland, J.S., Duprey, C.H. Quality control practice 4—50578
Oakley, R.E. Back and side channel leakage in SOI CMOS 4—30793
Oaks, O. *see* Wardrip, C. 4—39331
Oana, Y. 180-bit static shift register and driver using poly-silicon MOSFETs 4—52314
Oancea, A.M. *see* Natase, L. 4—51722
Oates, D.E. *see* Gottschalk, P.G. 4—52437
Oazama, S. *see* Nakashima, T. 4—57818
Oba, K. *see* Ito, M. 4—36232
Oba, K. *see* Kinoshita, K. 4—61735
Oba, K. *see* Matsuura, S. 4—39448
Obara, K., Haga, K. 'Mini Bright' LED and line light source 4—31255
Obara, M. *see* Arai, T. 4—37327
Obara, M. *see* Hokazono, H. 4—52900
Obara, M. *see* Kumamoto, K. 4—42527
Obara, M. *see* Midorikawa, K. 4—37298
Obara, M. *see* Suda, A. 4—31336
Obara, S. A modification of the instantaneous frequency meter for low frequency signals 4—56129
Obata, K. *see* Sakai, Y. 4—54447
Obata, S., Itoh, M., Azuma, K. A Hi-Fi moving-magnet cartridge using recent technology 4—33061
Obayashi, H. *see* Kimura, T. 4—36367
Obayashi, H. *see* Matsuzawa, T. 4—30722
Obayashi, H. *see* Mochiji, K. 4—51924
Obayashi, H. *see* Murai, F. 4—36747
Obe, J.P. *see* Leboulleux, J. 4—34184
Ob'edkov, A.G. *see* Rogacheva, E.I. 4—30379
Obendorf, S.K. *see* Namaste, Y.M.N. 4—58951
Oberender, W., Bung, W. The reliability of controlled safety valves in conventional power plants 4—62384
Oberholtzer, B.D. *see* Luper, D.C. 4—30748
Oberlander, G. Combined heat and power generation incorporating industrial gas turbines 4—45312
Oberle, H.-D., Hinz, D., Krupka, S. Self-testing of teleprinters 4—48025
Oberlin, J.C. *see* Letournel, M. 4—33559
Obermayr, K. *see* Brinkmann, K. 4—55116
Obermeier, E. *see* Binder, J. 4—48831
Obermoller, U., Witte, G., Hohne, K.H. Parametric pictures of intravenous angiograms of the left ventricle of the heart 4—38054
Oberndorfer, K. *see* Merz, E. 4—57280
Oberst, D.J. *see* D'Amore, M.J. 4—48264
Oberstar, J.D. *see* Skromme, B.J. 4—41839
Obi, H. *see* Ohta, M. 4—57482
Obidin, A.Z., Pechenov, A.N., Popov, Yu.M., Frolov, V.A. Optical pumping of a $CdS_{0.5}Se_{0.5}$ laser by radiation from a CdS streamer laser 4—31366
Obloh, H., von Klitzing, K., Ploog, K. Thermopower measurements on the two-dimensional electron gas of GaAs-$Al_xGa_{1-x}As$ heterostructures 4—51839
Oblozhenkov, V.A. *see* Demin, E.A. 4—33274
Oblozinsky, P., Simon, R.S. Observation of γ cascade energies in a modularized NaI detector 4—55990
Obod, I.I. Multivibrators with unijunction transistors 4—29745
Obokata, T. *see* Shimada, T. 4—58003
Obolikshto, B.S., Rozorinov, G.N. The use of graphs for information encoding in high-density digital magnetic recording 4—52464
Oboskalov, V.P. *see* Arzamastsev, D.A. 4—56585
Obradovic, M. *see* Lazic, D.E. 4—43186

Obrebska, M. Algorithm transformations improving control part implementation 4—35872
Obregon, J., Farzaneh, F. Definition of nonlinear reflection coefficient of a microwave device using describing function formalism 4—41571
Obrekht, M.S. *see* Gadiyak, G.V. 4—36354
Obreza, V. *see* Auer, M. 4—61193
O'Brien, C.D. *see* Bown, H.G. 4—54194
O'Brien, E.M. *see* Homma, T. 4—61803
O'Brien, R.N. Advances in the use of laser interferometry as a chemical tool 4—38882
O'Brien, R.R. *see* Kirkpatrick, C. 4—49350
O'Brien, R.R. *see* Murley, P.C. 4—51733
O'Brien, S. *see* Haigh, J. 4—50785
O'Brien-Penny, B.C. *see* Shahnarian, A. 4—44714
Obst, H., Riedel, S. Microcomputer application in the pyrometry 4—55183
Obukhov, I.V. Effect of the motion of an optical radiation source on heterodyne reception in the presence of atmospheric turbulence 4—44126
Obukhov, S.G., Bideev, G.A. Investigation of electromagnetic processes in current parametric rectifiers 4—34756
Obukhov, S.G. *see* Mironov, V.N. 4—40321, 4—45520
Obukhov, Yu.V. *see* Vystavkin, A.N. 4—59171
Obukhovich, R.F., Sokolov, M.A., Chadovich, I.I. Error probability of the reception of orthogonal DEM signals in the presence of structural interference 4—53663
Obyden, S.K. *see* Saparin, G.V. 4—42466
O'Callaghan, J. Electronic demand printing for CSIRONET 4—54350
O'Callaghan, P.W. *see* Baldwin, D.T. 4—40637
O'Carroll, A.P. *see* Bowron, P. 4—35959
O'Carroll, A.P. *see* Ferguson, K.W. 4—36032
Occhiogrosso, B.J. Voice mail technology comes of age 4—60409
Occhiogrosso, B.J. Voice mail technology comes of age. II 4—60410
O'Ceallaigh, C. *see* Thompson, A. 4—55956
Ochi, A. *see* Takahashi, S. 4—52348
Ochi, H., Tateishi, K., Tetsutani, N. Super high-speed high-definition facsimile equipment 4—32295
Ochiai, A., Sakita, K., Hanazawa, T., Terasawa, K. Mobile equipment design for land mobile pay telephone system 4—54637
Ochiai, A. *see* Hanazawa, T. 4—54636
Ochiai, K. *see* Araseki, T. 4—31933
Ochiai, Y., Aso, K., Uedaira, S., Hayakawa, M., Hotai, K., Makino, Y. Kinetics of magnetic annealing in amorphous $Fe_5Co_{75}Si_4B_{16}$ 4—42223
Ochiai, Y., Gamo, K., Namba, S. Characteristics of ion beam assisted etching of GaAs using focused ion beam: dependence on gas pressure 4—52007
Ochin, E.F. *see* Denisov, V.M. 4—46437
Ochoa, A., Jr. *see* Mnich, T.M. 4—29859
Ochs, G.R. *see* Bohlander, R.A. 4—37593
Ociepka, J. *see* Krzywaznia, A. 4—61520
Ocken, E.Van *see* Van Ocken, E.
O'Connell, E.F. *see* Schlough, S.D. 4—58648
O'Connell, J. *see* Forrest, G.T. 4—59669
O'Connell, R.H., Bowidowicz, M.A. Spent fuel storage alternatives 4—49692
O'Connell, R.W. *see* Weistrop, D. 4—61245
O'Connell, T.R. *see* Shaw, V.M. 4—36907
O'Conner, J.J. *see* Armington, A.F. 4—29470
O'Conner, J.M. *see* Pande, K.P. 4—36432
O'Conner, W.T., Claus, R.O. Optical fiber sensor application in a simple robotic gripper 4—61353
O'Conner, W.T. *see* Burrier, R.A. 4—56359
O'Conner, W.T. *see* Gray, J.W. 4—52362
O'Connor, D.A. *see* Tsai, M.J. 4—60099
O'Connor, J.T., Brown, G.R., Hoac, C. Automated design approach to an NMOS LSI circuit 4—52313
O'Connor, M.K., Molloy, M., Maher, K., Malone, J.F. Digital fluoroscopy with a conventional fluoroscopic room and a nuclear medicine computer system 4—49141
O'Connor, P., Flahive, P.G., Clemetson, W., Panock, R.L., Wemple, S.H., Shunk, S.C., Takahashi, D.P. A monolithic multigigabit/second DCFL GaAs decision circuit 4—51152
O'Connor, P., Flahive, P.G., Clemetson, W.J., Panock, R.L., Wemple, S.H., Shunk, S.C., Takahaski, D.P. Monolithic multigigabit/sec GaAs decision circuit for lightwave system applications 4—54794
O'Connor, P.B. *see* Atkins, M. 4—37109
O'Conor, P.D.T. *see* Harris, N. 4—46032
Octavio, M., Readi Nasser, C. Chaos in a DC-bias Josephson junction in the presence of microwave radiation 4—59170
Oda, E., Ishihara, Y., Teranishi, N. Blooming suppression mechanism for an interline CCD image sensor with a vertical overflow drain 4—39078
Oda, E. *see* Hagiwara, M. 4—59085
Oda, H., Ozaki, S. Kerr hysteresis measuring equipment installed in vacuum deposition chamber of GdFe evaporated film observation 4—30940
Oda, H., Ozaki, S. Oxidization of GdFe film by overlaid SiO_2 film and its effect on the Kerr enhancement 4—47168
Oda, M. *see* Ikenaga, Y. 4—62019
Oda, M. *see* Kato, S. 4—54393
Oda, T. *see* Mori, H. 4—54542
Oda, T. *see* Yoshida, S. 4—40436
Odahashi, S. *see* Tani, M. 4—62298
Odaka, K., Yura, E. LSIs for PCM audio equipment 4—48652
Odar, W. *see* Binder, L. 4—45599
Odawara, G., Iijima, K. Automatic placement program for PWB 4—58612
Oddy, C.D. DAC/ADC filter/amplifier [for computer interfaces] 4—29911
Odegov, A.V. *see* Kotlyar, Ya.A. 4—30059
Odeh, F.M., Zein, D.A. Semi-direct method of modular analysis using a variation of the modified nodal method of formulating the network equations with no auxiliary variables 4—35570
Odelius, H. *see* Dorner, P. 4—36257
Odell, P.R. *see* Rosing, K.E. 4—56723
O'Dell, R.N. *see* Bechtler, H.J. 4—51671
O'Dell, T.H. Experiments on the entrainment of a Lotka-Volterra oscillator 4—35674
Oden, C. *see* Himpsel, F.J. 4—56047
Oden, J.T. *see* Carey, G.F. 4—57727
Odera, M. *see* Miyazawa, Y. 4—55796
Odermatt, K. *see* Gysel, T. 4—45149
Odess, L. A pragmatic view of logic simulation and commercially available simulators 4—35725
Odess, L.R., Ur, H. Active filter circuits optimized for low sensitivity to the non-ideal op-amp characteristics 4—35952
Odin, I.N. *see* Plachkova, S.K. 4—30380
Oding, V.G. *see* Vodakov, Yu.A. 4—41966
Odinokov, V.F. Oscilloscope time interval measuring device 4—33352
Odintsov, B.V., Davies, A.C. Electrical network analogue for determining the optimal flows in multiterminal communication networks 4—53338
Odlyzko, A.M. Cryptanalytic attack on the multiplicative knapsack cryptosystem and on Shamir's fast signature system 4—47776
Odlyzko, A.M. *see* Brickell, E.F. 4—53423
Odnol'ko, V.V. *see* Kovalgin, Yu.A. 4—54944
O'Donnell, F.J. *see* Donnelly, J.P. 4—59264
O'Donnell, J. Galloping control device is evaluated 4—34204
O'Donnell, J. *see* Pavlicek, W. 4—61847
O'Donnell, P., Bell, R.N., Heising, C., Singh, C., Wells, S.J. Report of large motor reliability survey of industrial and commercial installations. II 4—62499
O'Donoghue, J.A., Fisher, J. A universal air-bubble detector for infusion pumps 4—61771
Oduko, J. *see* Moscovitch, M. 4—33890
Odum, W.T. The Naval Coastal Systems Center effort in ocean engineering 4—61959
Oduvalina, I.A. *see* Dorosh, V.S. 4—37140
Odyn, S.V. *see* Bulatov, O.G. 4—41514, 4—57152
Oe, K., Ando, S., Asai, H. Liquid phase epitaxial growth of GaInP/AlGaAs double heterostructures for visible lasers 4—35487
Oe, K. *see* Adachi, S. 4—47301
Oe, K. *see* Asai, H. 4—42064
Oe, S., Tomita, Y., Soeda, T. Failure detection and prediction system by using adaptive digital filter 4—38026
Oed, R. *see* Doster, W. 4—38068
Oeh, G., Lampell, A. Advanced techniques give one-degree accuracy in VHF/UHF direction finding 4—44186
Oehme, F. Measurement techniques for the control of industrial effluents 4—39352
Oehmigen, D., Vogel, A., Wagner, O. Circuit structure for measuring delays of logic gates on VLSI chips 4—35752
Oehrlein, G.S., Tromp, R.M., Lee, Y.H., Petrillo, E.J. Study of silicon contamination and near-surface damage caused by CF_4/H_2 reactive ion etching 4—58860
Oehrlein, G.S. *see* Merz, C.J. 4—46876
Oei, Y.S. *see* Bloem, J. 4—35477
Oel, H.J. *see* Dannheim, H. 4—42202
Oelgart, G., Arnold, G. Internal electric field-enhanced impurity diffusion in $GaAs_{1-x}P_x$ 4—41874
Oelgart, G. *see* Arnold, G. 4—30411
Oenol, M. *see* Huber, J. 4—43196
Oetterli, O. The advent of the telecopier in office automation 4—54159
Oettinger, F.F. Thermal evaluation of VLSI packages using test chips—a critical review 4—30707
Oettinger, P.E. Excited state population distributions in cesiated thermionic diodes 4—40490
Oever, W.E.van den *see* van den Oever, W.E.
Oever, W.E.Van Den *see* Van Den Oever, W.E.
Offenberger, A.A. *see* Small, L.L. 4—58675
Offut, D.O. *see* Maxham, K.Y. 4—54785
Ofitserov, M.M. *see* Bogachenkov, V.A. 4—59365
Ofuchi, T. *see* Takahashi, T. 4—53472
Ogale, S.B., Madhukar, A. Alloy disorder scattering contribution to low-temperature electron mobility in semiconductor quantum well structures 4—51828
Ogama, T., Koezuka, H. X-ray photoemission spectroscopy investigation of Schottky barrier formation in a copolymer of pyrrole and *N*-methylpyrrole 4—58805
Oganesyan, K.O. *see* Gaisak, I.I. 4—49073
Oganes'yants, V.A. *see* Petrov, Yu.A. 4—35009
Oganyan, A.A. *see* Arutunyan, V.M. 4—42704
Oganyan, E.V. *see* Kotov, Yu.V. 4—42918
Ogarkov, V.S., Tikhonov, Yu.G. Direct conversion of binary code to duodecimal and duodecimal code to binary 4—35925
Ogasawara, M. *see* Shigeyasu, K. 4—42889
Ogasawara, M. *see* Shiotani, T. 4—54202
Ogasawara, N., Ito, R., Tone, K., Nakae, H. Dispersion of the linewidth enhancement factor in semiconductor injection lasers 4—59514
Ogasawara, N. *see* Ito, R. 4—52986
Ogasawara, S. *see* Akagi, H. 4—56953
Ogasawara, S. *see* Sato, M. 4—61048
Ogasawara, Y. *see* Mito, K. 4—31546
Ogata, H. *see* Hisa, S. 4—49754
Ogata, H. *see* Yamaguchi, K. 4—56968
Ogata, J. *see* Koyanagi, M. 4—62878
Ogata, M., Sato, M. Texture analysis by self-organization method 4—32052
Ogata, T. *see* Ichimura, M. 4—55218
Ogata, T. *see* Koyashiki, T. 4—45532, 4—57189
Ogata, Y. *see* Sakai, Y. 4—54447
Ogawa, A., Atwood, W.B., Fujiwara, N., Pestov, Y.N., Sugahara, R. Large area spark counters with fine time and position resolution 4—33688
Ogawa, A. *see* Amano, K. 4—32738
Ogawa, E. *see* Satoh, A. 4—30083
Ogawa, H. Labeled point pattern matching by fuzzy relaxation 4—60218
Ogawa, H. *see* Hirota, T. 4—51536
Ogawa, H. *see* Nakamura, N. 4—53915
Ogawa, H. *see* Sato, M. 4—53814
Ogawa, H. *see* Wakahara, T. 4—54170
Ogawa, K. Progress in terrestrial single-mode fiber systems 4—32827
Ogawa, K. Noise caused by interaction of optical sources and transmission media: modal and mode partition noise 4—54799
Ogawa, K., Nakajima, M., Yuta, S. A reconstruction algorithm from truncated projections 4—44719
Ogawa, K., Sugahara, R., Takahashi, K., Takasaki, F., Tauchi, T., Awaji, N., Hayashii, H., Iwata, S., Ozaki, H., Suzuki, S., Gearhart, R., Miyamoto, A., Shimomura, T. A test of lead glass shower counters 4—61670
Ogawa, K., Sugahara, R., Takahashi, K., Tauchi, T., Takasaki, F., Awaji, N., Hayashii, H., Iwata, S., Ozaki, H., Suzuki, S., Gearhart, R.A., Miyamoto, A., Shimomura, T. Test of lead glass shower counters 4—33682
Ogawa, K., Tsutsumi, T., Yasuda, Y., Taguchi, H. The model GL-1000 golf trainer for commercial use 4—57725
Ogawa, K. *see* Horiguchi, S. 4—43831
Ogawa, K. *see* Igarashi, K. 4—61182
Ogawa, K. *see* Liu, P.-L. 4—31378
Ogawa, M., Kamiya, T. Device model for ion-implanted GaAs MESFET including compensation mechanism of SI substrate 4—52147
Ogawa, M. *see* Suzuki, T. 4—54604
Ogawa, S. *see* Akiyama, S. 4—36866
Ogawa, S. *see* Hamada, M. 4—31016
Ogawa, S. *see* Kiryu, T. 4—54379
Ogawa, T. Atmospheric instrumentation based on radar 4—33980
Ogawa, Y., Ito, H., Inaba, H. Bistable laser diode 4—42658
Ogawa, Y. *see* Ishizeki, M. 4—48349
Ogawa, Y. *see* Okumura, K. 4—47356
Ogden, C. *see* Haak, R. 4—40388
Ogden, C. *see* Jawitz, M. 4—30171
Ogden, S., Meeker, B. A test-to-cost-scheme for missile lot acceptance. I 4—50561
Ogden, T.R. *see* Jones, T.E. 4—60640
Ogenko, V.M. *see* Koba, A.P. 4—46338
Ogi, H. Power system of new international switching center of KDD 4—56529
Ogilvie, J.A. *see* Love, G.R. 4—58563
Ogino, K. An efficient algorithm for unmodified ARMA spectral estimation 4—60019
Ogino, O. *see* Kawamura, T. 4—59175
Ogino, T., Takeda, A., Mizushima, Y., Oka, M., Ito, H. Selenium thin film transistor 4—42048
Ogino, T. *see* Ito, H. 4—57346
Oginskas, A. *see* Cesnys, A. 4—58751
Ogiso, Z. *see* Handa, N. 4—56781
Ogita, Y. *see* Yamazaki, T. 4—30303
Ogiue, K., Ohwaki, S., Katoo, Y. 16 kbit high speed bipolar static RAM 4—58323
Ogiwara, M. Application of television technologies in industrial robots: present and future 4—61103
Oglesby, D.M. *see* Ake, R.L. 4—50031
Ognivenko, V.V. *see* Buts, V.A. 4—42503
Ogon'kov, Yu.N. *see* Eletskii, V.S. 4—33790
Ogorodniichuk, L.D. Raising the relative accuracy of phase-shifters in phasemeter inspection 4—55626
Ogorodnikov, A.P. *see* Anisimov, A.M. 4—62712
Ogorodnikov, V.K. *see* Bovina, L.A. 4—52801
Ogose, S., Murota, K., Hirade, K. A transmitter diversity for MSK with two-bit differential detection 4—43977
Ogose, S. *see* Hata, M. 4—43995
O'Grady, W.E. *see* McBreen, J. 4—50043

Oguchi, K., Ohta, M. A three-phase multistepped-voltage inverter combined with a single-phase inverter through three switching devices 4—57229

Oguchi, K. *see* Morozumi, S. 4—54990

Oguchi, M. *see* Otsubo, K. 4—56244

Ogue, J.C., Saito, T., Hoshiko, Y. A frequency domain adaptive noise cancellation in speech signal 4—35971

Oguey, C. *see* Bernard, J.J 4—54793

Ogulewicz, S. *see* Kuhn, U. 4—48389

Ogura, K., Tamai, E. Dependence of track width on charge and velocity of slow heavy ions in nuclear emulsion 4—55969

Ogura, K. *see* Doke, T. 4—55963

Ogura, M., Hata, T., Yao, T. Distributed feedback surface emitting laser diode with multilayered heterostructure 4—59513

Ogura, M. *see* Matsumoto, K. 4—42050

Ogura, M. *see* Yao, T. 4—50799, 4—59495

Ogura, S. *see* Codella, C.F. 4—52112

Ogura, S. *see* Johnson, C., Jr. 4—36842

Ogura, S. *see* Kaneko, K. 4—58235

Ogura, T. *see* Ohashi, H. 4—36573

Oguri, M. *see* Soule, D.F. 4—61993

Ogusu, K., Tanaka, I. Dielectric waveguide-type millimeter-wave modulator using photoconductivity 4—46630

Oh, I., Gambhir, S.K. Critical and radiological analyses for heavy load drops in a PWR 4—62335

Oh, K.A., Un, C.K. A performance comparison of pitch extraction algorithms for noisy speech 4—59985

Oh, S.-Y. *see* Cham, K.M. 4—52312

Oh, V.H. *see* Brown, M.K. 4—53540

Oh, Y.H., Ackenhusen, J.G., Breda, L.M., Rosa, L.F., Brown, M.K., Niles, L.T. Architecture for a real-time LPC-based feature measurement integrated circuit 4—53537

Oh, Y.H. *see* Brown, M.K. 4—37891

Oh Myung-Hwan *see* Myung-Hwan Oh

Oh-uchi, N., Kayanuma, A., Asano, K., Hayashi, H., Noda, M. A new self-aligned transistor structure for high-speed and low-power bipolar LSIs 4—36810

O'Hanlon, J.F. Module helium detector 4—55410

O'Hanlon, J.F. *see* Harper, J.M.E. 4—58682

O'Hanlon, T.W. *see* McDonald, C.W. 4—40013

Ohanowicz-Adamska, K. Spectrophotometric measurements of luminophors 4—42476

O'Hara, E., Ritslev, F., Weber, R. Airline data networks 4—48252

Ohara, H. *see* Takagi, A. 4—43273

O'Hara, J.E. *see* Jakobsen, H.J. 4—60535

Ohara, M. *see* Ozaki, S. 4—57436

Ohara, M. *see* Suzuki, T. 4—56530

Ohara, M. *see* Yamagata, A. 4—41407

Ohara, S., Koshimoto, Y., Kita, T. Toughness evaluation of ferrites for magnetic recording heads 4—52462

Ohara, S. *see* Takenaga, M. 4—52527

Ohara, T. Particle capture theory and experiment on an amorphous magnetic ribbon filter 4—42826

Ohara, T. *see* Imai, H. 4—37528

Ohara, Y. *see* Tanaka, S. 4—61665

Ohashi, H., Ogura, T., Yamaguchi, Y. Directly light triggered 8 KV-1.2 KA thyristor 4—36573

Ohashi, H. *see* Nakagawa, A. 4—36567

Ohashi, M., Kitayama, K., Koyamada, Y., Uchida, N., Seikai, S. Design of multimode graded-index fiber parameters in the long-wavelengths region 4—47242

Ohashi, M., Kitayama, K.-i., Kobayashi, T., Ishida, Y. LP_{11} mode loss measurements in the two-mode-propagation region of optical fibers 4—52578

Ohashi, M. *see* Ishida, Y. 4—38625, 4—52565

Ohashi, T. *see* Takada, A. 4—55266

Ohashi, Y. *see* Nakamura, I. 4—61711

Ohata, K. *see* Nishinoma, M. 4—54759

Ohba, H. *see* Nakai, T. 4—37614

Ohba, K. *see* Ito, S. 4—33713

Ohba, S., Nakai, M., Ando, H., Ozaki, T., Ozawa, N., Imaide, T., Ikeda, K., Suzuki, T., Takemoto, I., Masuhara, T. MOS imaging with random noise suppression 4—55274

Ohba, S. *see* Koike, N. 4—48757

Ohba, T. *see* Mizuno, A. 4—58432

Ohbayashi, K. *see* Kimura, M. 4—29904

Ohdomari, I. *see* Miyazawa, T. 4—58014

Ohdomari, I. *see* Saito, T. 4—41059

Oheda, H. *see* Matsuura, H. 4—41885

Ohfuji, S., Hashimoto, C., Amazawa, T., Murota, J. Oxygen-doped molybdenum films for MOS gate application 4—30570

Ohfuji, S., Shiono, N. Stabilization of Mo-gate MOS structures using H_2 doping in Mo and high temperature forming gas annealing 4—51895

Ohfuji, S. *see* Hosoya, T. 4—46979

Ohgushi, K. *see* Kurozumi, K. 4—43349, 4—44369

Ohhata, K. *see* Imai, M. 4—56887

Ohhigashi, H., Nakagawa, H., Takada, S., Sogawa, E., Hayakawa, H. Josephson unit cell gate 4—51094

Ohhigashi, H. *see* Nakagawa, H. 4—51091

Ohi, M. Recent trends in replacement of standards of weights and measures 4—55150

Ohi, S. *see* Tokuyoshi, F. 4—51238

Ohigashi, H. *see* Nakagawa, H. 4—52513

Ohira, Y., Ito, T. Temperature controlled fast-charge Ni-Cd batteries 4—57330

Ohishi, A., Chinone, N., Nakamura, M. Low-frequency feedback noise of semiconductor lasers oscillating in a single longitudinal mode 4—53000

Ohishi, I. Introduction to large screen display 4—61463

Ohishi, K. *see* Kawamoto, H. 4—51246

Ohishi, T. *see* Fujita, S. 4—29520, 4—46237

Ohishi, Y., Mitachi, S., Takahashi, S. Influence of humidity during the fibre preparation process on transmission loss for ZrF_4-based optical fibres 4—47263

Ohishi, Y. *see* Mitachi, S. 4—52598

Ohkawa, S. *see* Ito, A. 4—33439

Ohkawa, S. *see* Yashiro, K. 4—42849, 4—52471

Ohki, M. *see* Kozaki, S. 4—59736

Ohki, T. Counting method in an automatic watthour meter tester 4—39012

Ohki, T., Kogane, M., Sakumoto, Y., Yonesu, K., Kitagawa, H. Recent information on electrical measurement techniques 4—61479

Ohki, T., Yagishita, H., Naitoh, T., Nadami, T. Data processing for thermocouple calibration 4—55386

Ohki, Y. *see* Zahn, M. 4—52316

Ohkoshi, A., Sato, H. A flat CRT 4—30279

Ohkouchi, S. *see* Ibaraki, A. 4—42626

Ohkubo, M. Correlated information source coding with a fidelity criterion 4—53347

Ohkura, I. *see* Tokuda, T. 4—51098

Ohkura, M., Kusukawa, K., Yoshida, I., Miyao, M., Tokuyama, T. Effects of encapsulation layers on planarization of laser recrystallized SOI layers 4—41918

Ohkura, M. *see* Tamura, M. 4—41915

Ohkura, Y. *see* Shimada, R. 4—31875

Ohkura, Y. *see* Takahashi, Y. 4—56278, 4—56310

Ohkuto, K. *see* Shighara, M. 4—54780

Ohlms, D.E., Hampton, M.L. Track likelihood statistics for IQ locked loop [inphase and quadrature] 4—53712

Ohlms, D.E. *see* Modugno, E.J. 4—59906

Ohlson, R.N., Nevelsteen, J. Cut cost, not corners, in plant electric design 4—34180

Ohlson de Fine, M.J. Ultrasonic measurement techniques 4—56377

Ohm, G. 14/11 GHz, 120 Mbit/s regenerative satellite transponder 4—54680

Ohm, O.-J. *see* Morkrid, L. 4—44746

Ohmachi, T. *see* Isogal, Y. 4—61756

Ohmachi, Y., Shinoda, Y., Nishioka, T. GaAs LEDs fabricated on SiO_2-coated Si wafers 4—37245

Ohmachi, Y. *see* Nishioka, T. 4—50777

Ohmae, Y., Shimada, Y. Velocity sensor using an array of optical fibers for a spatial filter 4—55429

Ohmae, Y. *see* Shimada, Y. 4—54772

Ohmaru, K., Mikuni, Y. Direct G/T measurement for satellite broadcasting receivers 4—60763

Ohmori, M. GaAs digital integrated circuits 4—41362

Ohmori, M. *see* Asai, K. 4—41351

Ohmori, S., Giorgi, F.J., Starosta, M. An ultrasound imaging system for invasive applications 4—49186

Ohmori, T., Kato, M., Kamae, T. Facsimile intelligent communication system, present and future 4—38227

Ohmori, Y., Tarucha, S., Horikoshi, Y., Okamoto, H. Room temperature operation of $Al_{0.17}Ga_{0.83}Sb/GaSb$ multi-quantum well lasers grown by molecular beam epitaxy 4—31373

Ohmori, Y. *see* Hirayama, Y. 4—58024

Ohmori, Y. *see* Kubota, E. 4—46206

Ohmori, Y. *see* Nakahara, M. 4—31115

Ohmori, Y. *see* Shibata, S. 4—52557

Ohmoto, N. *see* Fujita, M. 4—44024

Ohmura, H. A study of acoustic features of Japanese /r/, /n/ and /d/ 4—43221

Ohmura, H. *see* Hayamizu, S. 4—43228

Ohmura, H. *see* Itahashi, S. 4—43213

Ohmura, H. *see* Nakajima, T. 4—43220

Ohmura, M., Tomita, N., Yamamoto, H. Shielded Toll PEF Cable field trial 4—38423

Ohmura, M. *see* Alsbach, W. 4—34765

Ohmura, M. *see* Tomita, M. 4—60627

Ohmura, M. *see* Tomita, N. 4—38189, 4—38422

Ohmura, M. *see* Tsuya, N. 4—34766

Ohmura, M. *see* Yamamoto, H. 4—38421

Ohmuro, T., Tachibana, Y., Kondo, M. Side-lobe canceller response for pulse interference 4—60893

Ohmuro, Y. The mechanism of single component development with several insulating magnetic toners. II 4—53167

Ohnaka, K., Inoue, K., Uno, T., Hasegawa, K., Hase, N., Serizawa, H. Monolithic pin-PD/JFET fiber-optic detector 4—33317

Ohnishi, A., Hayashi, T. Measurement of α/ϵ ratio by using a sun pointing satellite 'Tansei 4' 4—44833

Ohnishi, H. *see* Yokoyama, N. 4—51227

Ohnishi, K., Miura, A., Yamashita, I. Optical subscriber loop system for local area application 4—44100

Ohnishi, K. *see* Nagase, H. 4—57424

Ohnishi, M., Kuwano, Y. Amorphous silicon solar cells 4—34885

Ohnishi, M., Miyajima, Y., Kawata, O., Ishihara, K. Relation between maximum thermal stress and breaking point in fusion splicing 4—59252

Ohnishi, M. *see* Kawata, O. 4—42397

Ohnishi, M. *see* Miyajima, Y. 4—38635

Ohnishi, T. *see* Doi, K. 4—57563

Ohnishi, T. *see* Imamura, K. 4—47026

Ohno, H., Barnard, J. Field-effect transistors 4—30648

Ohno, H., Ikeda, E., Hasegawa, H. Free carrier profile synthesis in MOCVD grown GaAs by 'atomic-plane' doping 4—51981

Ohno, H. *see* Arimoto, S. 4—44518

Ohno, H. *see* Hasegawa, H. 4—46863

Ohno, H. *see* Hsieh, K.H. 4—58937

Ohno, H. *see* Matsuo, N. 4—47343

Ohno, H. *see* Sawada, T. 4—52103

Ohno, J. *see* Tanaka, S. 4—51172

Ohno, K. *see* Himuro, M. 4—54999

Ohno, K. *see* Mine, H. 4—53961

Ohno, S. *see* Hayashi, Y. 4—42847

Ohno, T., Sakurai, T., Inabe, Y., Koinuma, T. A single-chip high-voltage shallow-junction BORSHT-LSI 4—54553

Ohno, T. *see* Sakurai, T. 4—42034

Ohno, Y. *see* Fujita, T. 4—57627

Ohno, Y. *see* Hirayama, M. 4—41995

Ohnsorge, H. The potentialities of BIGFON 4—54591

Ohnuki, S., Adachi, S. Radiation of electromagnetic waves from an electron beam antenna in an ionosphere 4—56303

Ohrui, R. *see* Hashimoto, H. 4—36220

Ohsaka, S. *see* Wakao, K. 4—37363, 4—42615

Ohsaki, T. *see* Moriya, K. 4—59011

Ohsawa, A. *see* Honda, K. 4—52319

Ohsawa, Y., Arino, N., Sakauchi, M. A high speed generating algorithm of equidistant curve from arbitrary line drawings 4—53916

Ohse, M. *see* Kikuchi, T. 4—44185

Ohse, M. *see* Ohtani, A. 4—31655

Ohshima, H. *see* Imai, M. 4—56887

Ohshima, H. *see* Morozumi, S. 4—54990

Ohshima, K. Heating and cooling design for a container hut telephone exchange 4—57576

Ohshima, K. *see* Matsuura, F. 4—43879

Ohshima, S. *see* Tamura, T. 4—32379

Ohshima, S. *see* Togashi, M. 4—54171

Ohshima, T., Matsunaga, S., Baba, M. FACOM FAX 700 super facsimile 4—32285

Ohshima, T. *see* Yokoyama, N. 4—47025

Ohshio, M. Total energy supply and demand and SPS [satellite power systems] 4—34501

Ohsone, T. Diffusion approximation for a Gi/G/m queue with group arrivals 4—46082

Ohsuga, Y. *see* Asano, T. 4—47919

Ohsuka, S. *see* Sawaki, A. 4—36235

Ohta, E. *see* Yamazaki, T. 4—30303

Ohta, H. *see* Ikeda, Y. 4—61170

Ohta, H. *see* Tanaka, K. 4—55166

Ohta, I., Otsuki, T., Kazumura, M., Kano, G. A new GaAs MESFET with a selectively recessed gate structure 4—42073

Ohta, I., Otsuki, T., Kazumura, M., Kano, G., Teramoto, I. A new structure GaAs MESFET with a selectively recessed gate 4—36584

Ohta, I., Yamashita, T., Hagino, I. Optimum ports arrangement for a planar-circuit-type 3 dB hybrid 4—51529

Ohta, J. *see* Taniguchi, H. 4—40127

Ohta, K., Fuchi, K. Vowel constancy on antimetrical vocal tract shapes between males and females 4—43209

Ohta, K., Fuchi, K. Vowel constancy on antimetrical vocal tract shape among males, females and children 4—43216

Ohta, K. *see* Deguchi, T. 4—52720

Ohta, M., Maruto, M., Kaga, A., Obi, H., Nakamoto, N. Advanced AC propulsion with high power GTO and direct digital control for electric rolling stock 4—57482

Ohta, M. *see* Oguchi, K. 4—57229

Ohta, N., Yoshikawa, M., Ishimaru, K. Speech encoding for 6/4 GHz band small capacity omniuse terminal satellite system 4—38526

Ohta, N. *see* Hosoe, Y. 4—30970

Ohta, N. *see* Iwashita, K. 4—44085

Ohta, N. *see* Yamada, J. 4—54792

Ohta, S., Ishii, O., Terada, A. High coercive thin films of Co-doped γ-Fe_2O_3-Fe_3O_4 solid solution 4—59139

Ohta, T. High efficient coding of monochrome images using Rademacher transform 4—60226

Ohta, T., Ishida, K. Real time digital control systems for the cement industry 4—40671

Ohta, T. *see* Fukuzawa, T. 4—37387, 4—52943

Ohta, T. *see* Kajikawa, T. 4—50110

Ohta, T. *see* Kamiya, N. 4—50022

Ohta, T. *see* Miyata, H. 4—50109

Ohta, Y. Wide screen CRT display 4—61269

Ohta, Y. *see* Fujiwara, M. 4—60843

Ohta, Y. *see* Morikawa, N. 4—31261

Ohta, Y. *see* Urabe, S. 4—52826
Ohtaka, M., Kobayashi, T. A vector variational expression for the analysis of anisotropic optical waveguides 4—52552
Ohtaka, M. *see* Kato, S. 4—53124
Ohtaka, S. *see* Okabe, T. 4—52139
Ohtaka, S. *see* Yoshida, I. 4—36621
Ohtake, K., Ohue, K. Time spread transmission system using block conversion 4—47874
Ohtake, K. *see* Ohue, K. 4—47768
Ohtani, A., Kikuchi, T., Nozaki, K., Kurihara, N., Kuratani, Y., Ohse, M. Anomalous propagation of Omega VLF waves near the geomagnetic equator 4—31655
Ohtani, A. *see* Kikuchi, T. 4—31656, 4—44185
Ohtani, T. *see* Isobe, M. 4—51307
Ohtani, Y. *see* Kubota, T. 4—40649
Ohtsu, M., Kotajima, S. Derivation of the spectral width of a 0.8 μm AlGaAs laser considering $1/f$ noise 4—52963
Ohtsu, M. *see* Kunikane, T. 4—42521
Ohtsu, T. *see* Tominaga, H. 4—32433
Ohtsuka, K. *see* Kawahara, M. 4—57626
Ohtsuka, T. *see* Fujita, T. 4—57627
Ohtsuka, Y. *see* Imai, M. 4—52604
Ohtsuka, Y. *see* Ninomiya, Y. 4—37846, 4—48588
Ohtsuki, F., Hattori, M., Motomitsu, T., Yamane, H., Koga, H. Pair unbalance measurement conditions for paired cable 4—60629
Ohtsuki, F., Koga, H., Motomitsu, T. Lightning surge current measurements on telecommunication lines by using carbon arrester discharge vestiges 4—39934
Ohtsuki, T., Sato, M., Tachibana, M., Torii, S. Minimum partitioning of rectangular regions 4—57931
Ohtsuki, Y.H. X-ray laser by channeling radiation 4—37343
Ohue, K., Ohtake, K. Block interleavers with maximum pulse distance 4—47768
Ohue, K. *see* Ohtake, K. 4—47874
Ohwada, J. *see* Matsui, M. 4—30641
Ohwada, K. *see* Asai, K. 4—51200
Ohwada, K. *see* Matsuoka, Y. 4—52106
Ohwaki, J., Tsujiyama, B., Kozawaguchi, H. Red electroluminescence and crystallinity of ZnS:SmF_3 thin films 4—52776
Ohwaki, J. *see* Kozawaguchi, H. 4—37238
Ohwaki, S. *see* Ogiue, K. 4—58323
Ohya, J. *see* Fujita, T. 4—42624
Ohya, M., Watanabe, N. Construction and analysis of a mathematical model in quantum communication processes 4—60874
Ohya, S., Kikuchi, M., Narita, Y. Single 5 V EPROM with sub-micron memory transistor and on-chip high voltage generator 4—35816
Ohya, S. *see* Kaji, Y. 4—58424
Ohya, S. *see* Masuda, S. 4—58408
Ohya, S. *see* Okumura, K. 4—58344
Ohyama, M. *see* Miyabe, H. 4—60411
Ohyama, M. *see* Morisawa, T. 4—38195
Ohyama, M. *see* Tsuchida, H. 4—53478
Ohyama, M. *see* Yukimatsu, K. 4—54528
Ohyama, S. *see* Nojima, T. 4—32683
Ohyama, T. *see* Otsuka, E. 4—36280
Oie, Y., Muro, S., Hasegawa, T. Analysis of adaptive tree protocol in a satellite communication system 4—60775
Oijala, M. *see* Tao, B.P. 4—59989
Oikawa, H., Matsui, H., Shinohara, S. Design limits for telephone handset 4—54471
Oikawa, H., Yamamoto, H., Yamamoto, Y. Proposal for an aerial multi-pipe optical fiber cable distribution system 4—48491
Oikawa, H. *see* Amazawa, T. 4—41105
Oikawa, H. *see* Kyuragi, H. 4—42011, 4—52008
Oikawa, M. *see* Iga, K. 4—42440
Oikawa, S. *see* Tsuda, M. 4—30477
Oisgelt, M.G. The selection of the optimum parameters of magnetic detectors for cable run location devices 4—33276
Oishi, S. *see* Yamamura, K. 4—57975
Oishi, Y., Kato, T., Hamakawa, Y. A new type of thin-film EL cell providing continuous tunable color emission 4—52815
Ojeda-Castaneda, J. *see* Lohmann, A.W. 4—37189
Ojima, T. Differential emission measurement for atmospheric attenuation at 20.3 and 31.4 GHz by a radiometer 4—44915
Ojo, A.T. Energy planning and investment for increased earnings: the case of Nigeria's oil and gas resources 4—29190
Ok-Kyung Kim *see* Eui-Hoon Kim 4—50028
Oka, K., Unoki, H. Crystal growth of $Y_3Fe_5O_{12}$ 4—29437
Oka, M. *see* Chaki, E. 4—56255
Oka, M. *see* Ito, H. 4—57346
Oka, M. *see* Ogino, T. 4—42048
Oka, M. *see* Ueoka, Y. 4—51209
Oka, R., Suzuki, T. Syllable segmentation and word recognition of continuous speech 4—43211
Oka, R., Suzuki, T. An experimental recognition of large vocabulary continuous words 4—43212
Oka, R. *see* Hayamizu, S. 4—43225, 4—43226, 4—59960
Oka, R.-I., Suzuki, T. Application of continuous dynamic programming for continuous speech recognition by using complementary speech parameters 4—43217
Oka, S. *see* Kohashi, T. 4—60361
Oka, Y. *see* Murayama, A. 4—59660
Okabayashi, H., Magasawa, E., Mirimoto, M. A new low resistance shallow junction formation method using lateral diffusion through silicide 4—36442
Okabayashi, H., Morimoto, M., Nagasawa, E. Low-resistance MOS technology using self-aligned refractory silicidation 4—58879
Okabayashi, H. *see* Higuchi, K. 4—41916
Okabayashi, H. *see* Morimoto, M. 4—30725
Okabayashi, I., Fukuyama, T., Tanaka, M., Kawamura, M. An RF-excited CW HCN laser by capacitive coupling 4—52919
Okabe, H. *see* Ushida, N. 4—56030
Okabe, K., Hamada, H., Miura, T. System for simulated in situ measurement of hearing aids 4—49307
Okabe, M. *see* Tatsuki, M. 4—58267
Okabe, T., Katsueda, M., Yoshida, I., Iijima, T., Ohtaka, S. Characterization and improvement of power MOSFET switching loss 4—52139
Okabe, T. *see* Gotoh, T. 4—59001
Okabe, T. *see* Itoh, H. 4—36622
Okabe, T. *see* Kaneko, K. 4—46453, 4—58235
Okabe, T. *see* Nakamura, T. 4—51170
Okabe, T. *see* Okada, Y. 4—59015
Okabe, T. *see* Yoshida, I. 4—36621
Okabe, Y. *see* Kodate, K. 4—41926
Okada, A. *see* Nakamura, I. 4—61711
Okada, C., Hirata, Y., Abe, M., Kato, T., Yagi, H. CCD image converter 4—48758
Okada, H. CSMA/CD/MPD access control method in bus-type local area networks for integrated data and voice 4—32603
Okada, H. *see* Kinoshita, K. 4—61735
Okada, H. *see* Mori, T. 4—34797
Okada, H. *see* Nomura, Y. 4—43499
Okada, H. *see* Yokogawa, M. 4—61189
Okada, K., Ehara, T., Suzuki, H., Yanagida, K., Saito, K., Ichiura, N. A digital signal processor module architecture and its implementation using VLSIs 4—55354
Okada, K., Honda, T., Tsujiuchi, J. Multiplex holograms made of computer processed images 4—37479
Okada, K., Kobayashi, I. Baseband response characteristics measurement method and measuring equipment for multimode fiber 4—61569
Okada, K. *see* Sugiura, Y. 4—61105
Okada, K. *see* Watanabe, R. 4—44099
Okada, M. Static and dynamic characteristics of electrooptic bistable devices 4—59270
Okada, M. Progress of optical devices for signal processing 4—60029
Okada, M. *see* Himei, T. 4—56986
Okada, M. *see* Ninomiya, Y. 4—48588
Okada, M. *see* Nomura, T. 4—34610
Okada, M. *see* Tokumitsu, M. 4—52512
Okada, O. *see* Makino, H. 4—30972
Okada, S. *see* Fukumoto, M. 4—30806
Okada, S. *see* Kondo, T. 4—32904
Okada, S. *see* Mambo, M. 4—44914
Okada, T. Power spectra of systems described by a nonlinear Langevin equation driven by random and periodic forces 4—47856
Okada, T. An optical sensor for measuring overall direction of action by using a projected image 4—48747
Okada, T., Kabashima, S. Frequency response and power spectrum of an oscillator having a nonlinear resistance driven by periodic and random forces 4—46372
Okada, T., Nishibori, H., Nishigouri, A. Present and future of computerized command and control system for fire fighting systems in Japan 4—35265
Okada, T., Nishimura, F., Inoue, S., Muraoka, K., Abazaki, M. Development of a D_2O laser pumped by an injection-locked TEA CO_2 laser 4—42564
Okada, T., Tanaka, Y., Hayakawa, M., Iwai, A., Shimakura, S. Experimental study of the relationship between the propagation distance and the polarization characteristics of whistlers 4—59738
Okada, T. *see* Markon, S. 4—37533
Okada, T. *see* Nitta, T. 4—34612
Okada, T. *see* Takeshima, M. 4—52537
Okada, T. *see* Tixier, M. 4—53207
Okada, T. *see* Yoshida, H. 4—31053
Okada, Y., Hamazaki, Y., Sogawa, E. Two-phase pulsed power supply system and its merits [Josephson logic] 4—51092
Okada, Y., Okabe, T., Nagata, M. Computer simulation with scale down I^2L 4—59015
Okada, Y., Osada, Y., Shinbo, Y., Kasai, S. New class H heat resistant magnet wire enamel 4—36965
Okada, Y., Shinomiya, S., Iwasaki, H. A method for improving the characteristics of a two-phase induction generator 4—40245
Okada, Y. *see* Sogawa, E. 4—51093
Okada, Y. *see* Suzuki, K. 4—55600
Okada, Y. *see* Tokumaru, Y. 4—30320
Okajima, M., Muto, Y., Motegi, N. Transverse-mode stabilized GaAlAs laser with an embedded confining layer on optical guide by MOCVD 4—37382
Okajima, M. *see* Nakamura, M. 4—54751
Okamoto, H., Horikoshi, Y., Iwamura, H. GaAs-AlGaAs superlattice grown by MBE 4—41884
Okamoto, H., Horikoshi, Y., Iwamura, H. Optical properties of superlattice and quantum-well laser diodes 4—42655
Okamoto, H., Kida H., Hamakawa, Y. Steady-state photoconductivity in amorphous semiconductors containing correlated defects 4—30363
Okamoto, H., Seki, M., Horikoshi, Y. Direct observation of lattice arrangement in MBE grown GaAs-AlGaAs superlattices 4—46848
Okamoto, H. *see* Fujimoto, F. 4—58043
Okamoto, H. *see* Fujimoto, K. 4—40457
Okamoto, H. *see* Hirayama, Y. 4—58024
Okamoto, H. *see* Ohmori, Y. 4—31373
Okamoto, H. *see* Okuda, K. 4—45664
Okamoto, H. *see* Susa, N. 4—31229
Okamoto, H. *see* Suzuki, Y. 4—29475, 4—37364
Okamoto, H. *see* Tarucha, S. 4—59512
Okamoto, K. A study of the factors having influence on the convergency of electromagnetic field around a delay line 4—41639
Okamoto, K. Single-polarization operation in highly birefringent optical fibers 4—59186
Okamoto, K., Hosaka, T., Edahiro, T. Stress analysis of single polarization fibers 4—37133
Okamoto, K., Takada, K., Kawachi, M., Noda, J. All-PANDA-fibre gyroscope with long-term stability 4—42343
Okamoto, K. *see* Kanemitsu, Y. 4—41953
Okamoto, K. *see* Shibata, N. 4—37134
Okamoto, K. *see* Ueda, A. 4—34581
Okamoto, N., Nakamura, O., Minami, T. Character segmentation for mixed-mode communication 4—54169
Okamoto, T. *see* Deguchi, T. 4—52720
Okamoto, T. *see* Kaneko, M. 4—59283
Okamoto, T. *see* Takahashi, Y. 4—32097
Okamoto, Y. *see* Komaki, S. 4—48380
Okamoto, Y. *see* Nojima, T. 4—32683
Okamura, K., Kishima, A. Digital simulation of hysteresis characteristics and its application 4—52447
Okamura, M. *see* Sugaware, Y. 4—36812
Okamura, M. *see* Yamada, H. 4—40248
Okamura, S., Maruyama, M., Hane, T. Improvement on the sensitivity of an electrooptic instrument for electric field strength measurements 4—44572
Okamura, S. *see* Nakatsuka, S. 4—60621
Okamura, S. *see* Tatsuta, S. 4—30401
Okamura, Y., Kitatani, K., Yamamoto, S. Electrooptic leaky anisotropic waveguides using nematic liquid crystal overlays 4—52702
Okamura, Y., Negami, T., Yamamoto, S. Integrated optical isolator and circulator using nonreciprocal phase shifters: a proposal 4—47291
Okamura, Y., Ueda, K., Yamamoto, S. Y-branch interferometer in YIG film grown by liquid phase epitaxy 4—52717
Okamura, Y., Watanabe, M., Yamamoto, S. TE-to-TM mode conversion in La- and Ga-substituted YIG waveguide by alternating-coupling coefficient 4—37088
Okano, H. Improvement of decoders for BCH codes using ROMs 4—43133
Okano, H., Horiike, Y., Yamazaki, T., Tokura, T. Etching characteristics of n^+ poly-Si and Al employing a magnetron plasma 4—41984
Okano, H., Morikawa, K. An efficient decoder for quadruple-error-correcting BCH codes 4—31877
Okano, K., Funakoshi, Y., Kawase, Y. A β-γ spectroscopic method for determination of delayed neutron emission probability by using an on-line isotope separator 4—33628
Okano, K., Sugino, N., Fujimoto, T., Sone, H., Watanabe, A., Uehara, M., Matsuura, K., Mori, M. Videotex simulator 4—54203
Okano, K. *see* Shiotani, T. 4—54202
Okasaka, S. *see* Furuya, N. 4—38528
Okawa, B.S., Dugan, J.P. Contamination of conductivity measurement by waterborne particles 4—61939
Okawa, M., Imajo, V. Vacuum matches SF_6 point for point says Toshiba 4—34789
Okawa, M. *see* Uchimura, K. 4—54989
Okayama, J. *see* Ergas, H. *(editor)* 4—40719
Okayama, S. Quadrupole electron-beam exposure technology 4—59259
Okayasu, R. *see* Matsuo, N. 4—43837
Okazaki, H. Planning an urban area digital telephone junction network 4—54116
Okazaki, K. *see* Kubota, T. 4—40649
Okazaki, M. The rapid evolution of small watch crystals 4—52353
Okazaki, M. *see* Adachi, T. 4—33486
Okazaki, N., Komatsy, T., Hoshi, N., Tsuboi, K., Shimada, T. A 16-ns 2K×8b CMOS SRAM 4—58335
Okazaki, S. *see* Kusaka, M. 4—30440
Okazaki, S. *see* Murai, F. 4—36747
Okazawa, H. Intercontinental long-period clock comparisons by VLF 4—33500
Okazawa, H. *see* Imae, M. 4—33501
Okazawa, T., Goto, H., Takemae, K. A high performance 16 bit CPU using platinum-silicide gate 4—30796

Okean, H.C. Recent developments in EHF SATCOM technology 4—54712
O'Keefe, W. Planning helps make plant improvements more effective 4—34389
Okhotin, V.N., Titov, A.A., Kashkakha, A.V. Design solutions of the Berezov regional power plant number one 4—34423
Okhotnikov, O.G. *see* Bogatov, A.P. 4—31395, 4—59548
Oki, T.J. *see* Scharfetter, D.L. 4—36741
Okiai, R. *see* Imai, M. 4—56887
Okikawa, S. *see* Onuki, J. 4—58662
Okinaka, H., Yasuda, Y. Error rate performance improvement by soft decision error correction in regenerative satellite communication system 4—54702
Okinaka, H., Yasuda, Y., Hirata, Y. Intermodulation interference-minimum frequency assignment for satellite SCPC systems 4—48428
Okine, M. An expression of equivalent circuit in active RC filters 4—58444
Okino, M. *see* Okuno, K. 4—56320
Okishev, A.V. *see* Al'tshuler, G.B. 4—31347
Okishev, S.G. *see* Andreev, L.N. 4—47495
Okolie, C.C. Legal aspects of the use of the geostationary orbit and the interest of African states in satellite telecommunications 4—54662
Okolovich, M.N. *see* Kuzmicheva, E.V. 4—45550
Okomelkov, A.V. *see* Ignatov, A.A. 4—36504
Okorokov, A.N. *see* Fedorov, B.F. 4—37495
Okorokov, V.R., Beregova, G.M. Analysing the relationships between energy demand and the costs of developing rural industry 4—56448
Okorokov, V.R. *see* Alaev, Yu.M. 4—56834
Okoshi, T. Recent progress in heterodyne/coherent optical-fiber communication 4—54806
Okoshi, T. *see* Chang, J.-C. 4—42735, 4—47518
Okoshi, T. *see* Kikuchi, K. 4—42628, 4—42633
Oksen, J. Hitherto electric space heating has had too low a priority in planning space heating 4—57565
Oktay, S. *see* Hassan, J.K. 4—29269
Oktyabr'skii, A.M. *see* Alievskii, B.L. 4—62547
Oku, H., Kitamura, S., Yamamoto, M., Asano, I. Maintenance support systems for DIPS VLSI processor 4—29903
Oku, K., Fukushima, M. Analysis of deflection field in electrostatic deflecting camera tubes 4—51714
Okubo, M., Majima, N. Fuji electronic FC series transmitters 4—61331
Okubo, N. *see* Tokumitsu, Y. 4—36052
Okubo, S., Tokumaru, S. A pair of dipole antennas for controlling polarizations 4—42995
Okubo, S., Tokumaru, S. Four dipole antennas for controlling polarizations 4—59885
Okubo, S. *see* Kuroda, H. 4—32940, 4—55008
Okubo, S. *see* Mukawa, N. 4—32989
Okuda, E., Tanaka, I., Yamasaki, T. Planar gradient-index glass waveguide and its applications to a 4-port branched circuit and star coupler 4—47239
Okuda, H. *see* Hirayama, Y. 4—42630
Okuda, H. *see* Uematsu, Y. 4—53014
Okuda, K., Fujimoto, K., Kashima, Y., Okamoto, H., Hamakawa, Y. a-Si solar cells having more than 9% conversion efficiency 4—45664
Okuda, M. *see* Naito, H. 4—31210
Okuda, M. *see* Onodera, H. 4—31155
Okuda, S. *see* Watanabe, H. 4—57009
Okuda, T., Koshizuka, N., Murata, A., Yokoyama, Y., Ando, K. Control of birefringence of LPE-grown magnetic garnet films 4—30968
Okuda, T. *see* Koshizuka, N. 4—59138
Okuhira, H. *see* Shintani, A. 4—30802
Okumura, A. *see* Igarashi, K. 4—61182
Okumura, F., Kaneko, S., Uchida, H. Amorphous Si:H linear image sensor operated by a-Si:H TFT array 4—44449
Okumura, F. *see* Sakamoto, M. 4—61277
Okumura, H., Kaneko, E. Recently developed vacuum circuit breaker—construction and performance 4—57282
Okumura, K., Kishima, A. Numerical technique of perturbation method for computing periodic solution of piecewise-linear autonomous system 4—46312
Okumura, K., Ogawa, Y., Ito, H., Inaba, H. Self-excited oscillation and monostable operation of a bistable light emitting diode (BILED) 4—47356
Okumura, K., Ohya, S., Yamamoto, M., Watanabe, T., Shimamura, Y., Kikuchi, M. A 1 Mb EPROM 4—58344
Okumura, K., Yasuda, H., Kishima, A., Takase, K. Numerical solution for sinewave oscillator circuits by asymptotic method 4—58192
Okumura, T. *see* Yamada, H. 4—48651
Okumura, Y. *see* Matsuda, J. 4—32053
Okumura, Y. *see* Tanaka, S. 4—61665
Okunaka, J. *see* Shimazu, Y. 4—54359
Okunev, R.I., Pakhomov, L.N., Petrun'kin, V.Yu., Stepanyants, A.L. Magnetothyristor pulse generator for pumping copper-vapor lasers 4—37409
Okunishi, H. *see* Hata, M. 4—43934
Okuno, K., Tsuji, Y., Hisamoto, S., Okino, M., Emura, T. Three-dimensional current and scattering strength distribution mapping system 4—56320
Okuno, N., Kagata, A. VHD video disc player 4—55063
Okuno, S. Providing the means, and channels, for portable, personal communication 4—54641
Okuno, T., Osaka, Y., Hirose, M. Characterization of Si MIS solar cell 4—45625
Okuno, T. *see* Matsuura, H. 4—41885, 4—58794
Okuno, Y., Yasuura, K., Matsuda, T. Numerical analysis of plane wave scattering from a cylindrical scatterer with edge points by the mode matching method—the H-wave case 4—47571
Okuno, Y. *see* Inazaki, K. 4—33464
Okuno, Y. *see* Nishizawa, J. 4—37244
Okunuki, M. *see* Anazawa, N. 4—36429
Okushi, H. *see* Matsuura, H. 4—41885, 4—58794
Okutani, K. *see* Otsuka, K. 4—57838
Okuwaki, T. *see* Kugiya, F. 4—31009
Okuyama, C. *see* Matsuura, S. 4—39448
Okuyama, M., Toyoda, Y., Hamakawa, Y. Photo-induced chemical vapor deposition of SiO_2 film using direct excitation process by deuterium lamp 4—29518
Okuyama, M. *see* Kojima, M. 4—50810
Okuyama, M. *see* Noda, M. 4—46888
Okuyama, Y. *see* Tsuchida, S. 4—30785
Okzaki, M., Watanabe, S. Miniature $LiTaO_3$, X-cut strip resonator 4—30906
Olabe, J.C., Santos, A., Martinez, R., Munoz, E., Martinez, M., Quilis, A., Bernstein, J. Real time text-to-speech conversion system for Spanish 4—53504
Olbrich, G. Bead resonance effects in coaxial connectors 4—51514
Olbricht, W.L. *see* Scott, B.A. 4—46242
Olcer, S. Adaptive suboptimal Kalman filtering 4—47881
Olcer, S. Optimized production of electric energy [hydroelectric power stations] 4—49809
Olcott, W.A. AT&T's toil and trouble 4—48325
Old, J.C. A multiple open-loop interference canceller for a rotating search radar 4—44163
Oldano, G., Pinciroli, F. The electrocardiomultigraphimeter in the variability analysis 4—56120
Olden, A.H. Photovoltaic and other remote site power generation systems for the Papua New Guinea Telecommunications network 4—57186
Oldenettel, J.R. *see* Feiock, F.D. 4—52899
Oldenkamp, J.L., Peak, S.C. Selection and design of an inverter driven induction motor for a traction drive system 4—57488
Oldenkamp, J.L. *see* Peak, S.C. 4—57430
Oldham, H.E., Partridge, S.L. A comparison of MOS processes for VLSI. I 4—52304
Oldham, W.G. *see* Chern, J.G.J. 4—41891
Oldham, W.G. *see* Chiu, T.Y. 4—36457
Oldham, W.G. *see* Leung, W. 4—36674
Oldham, W.G. *see* Liu, T.M. 4—58856
Oldham, W.G. *see* Wong, S.S. 4—30801, 4—41992
Oldham Smith, K. Earthing for site safety 4—49623
Oldland, C. *see* Kay, A. 4—29827
Olds, F.C. Planning the electric future amidst growing uncertainty 4—45034
Olds, F.C. Developments in exotic power 4—50060
O'Leary, J.N. *see* Posner, R.D. 4—48418
Olech, W. *see* Domzalski, T. 4—45495
Oledzki, J., Szymanowski, J. Measurements of impedance by microcomputer-aided three-voltmeter method 4—55632
Olefir, G.I. *see* Boiko, B.B. 4—42595
Olefir, V.P. *see* Azarenkov, N.A. 4—42875, 4—42876
Oleinik, A.S. *see* Orlov, V.E. 4—36013
Oleinik, O.I., Slyusarenko, S.S. Two-shutter controller for investigation of the kinetics of the recording of dynamic holograms 4—47523
Oleinikov, P.I. *see* Litvinenko, L.N. 4—41543
Oleinikov, P.P. *see* Kondrashov, A.V. 4—62328
Olejar, L.L. *see* Dolan, R. 4—49695
Olekas, A.P. *see* Ashmontas, S.P. 4—30414
Oleksiuk, W. *see* Kawecki, W. 4—45684
Olenin, V.D. *see* Gulyayev, Yu.V. 4—46766
Olenin, V.D. *see* Nefedov, E.I. 4—31733
Olerud, J.E. *see* Forster, F.K. 4—56178
Olesen, O., Svensson, C.M. NORCHIP, a silicon brokers model 4—42090
Olesen, S.T. Status for custom design technology in the spring of 1984 4—58963
Oleszek, G.M. *see* Kasley, K.L. 4—58854
Olhoff, N., Taylor, J.E. On structural optimization 4—50703
Olias, E. *see* Aldana, F. 4—34517, 4—57367
Oliker, I. *see* Sawhney, H.S. 4—49776
Olin, A., Poffenberger, P.R., Britton, D.I. Segmented Compton suppression spectrometer using bismuth germanate 4—55823
Olin, I.D. Characterization of spiky sea clutter for target detection 4—54877
Oliner, A.A. *see* Shigesawa, H. 4—31151
Oliphant, R. New developments in public electronic mail 4—43682
Oliva, D.N., Morris, E.L., Oliva, M.T. Adaptive control of a steam turbine 4—40131
Oliva, J., Fimia, A., Quintana, J.A. Hologram copying in dichromated gelatin with sunlight 4—37482
Oliva, M.T. *see* Oliva, D.N. 4—40131
Olive, V., Rouquier, D. A systematic method for the synthesis of control parts defined by GRAFCET 4—50908
Oliveira, J.C.de *see* de Oliveira, J.C.
Oliveira, P.Guedes de *see* Guedes de Oliveira, P.
Oliveira Brizida, J.de *see* de Oliveira Brizida, J.
Oliver, C.J. An analysis of template matching in image registration 4—32039
Oliver, C.J. *see* McCanny, J.V. 4—53596
Oliver, G., Ricklin, G., Lavergne, R. The E10-VIDEOTEX switching system for access to telematic services 4—32569
Oliver, R.C. Multivibrator IC performs extra tasks 4—58217
Olivero, S. *see* Marchesi, C. 4—44300
Oliveros, J.C. *see* Quemada, J. 4—33850
Olivier, G. *see* Roy, G. 4—57232
Olivier, J. Auger electron spectroscopy as a tool for studying the electronic structure and the atomic network order of materials, with particular attention to hydrogenated amorphous silicon 4—41824
Olivier, M. *see* Gagnepain, J.J. 4—30893
Olivier, M. *see* Guillot Gauthier, S. 4—30844
Olivier, M. *see* Peuzin, J.C. 4—59228
Olivieri, J. Reliability of system architecture 4—50607
Olivon, G., Cabannes, J.L., Petit, R. Improving French PWR overpressure protection with Sebim valves 4—45254
Ol'khovikov, B.V., Kaminskaya, D.A., Rozentsvaig, A.B. Analysis of dynamics of a two-mass drive system in terms of roots of the characteristic equation 4—62724
Olkin, I. *see* Marsaglia, G. 4—40912
Olla, F., Gai, S., Mezzalama, M., Prinetto, P. Methodologies for testing electronic systems. Testing microprocessor families 4—35849
Ollendorf, S. Recent and planned developments at the Goddard Space Flight Center in thermal control technology 4—44806
Olli, J.A. *see* Alamaki, J. 4—49713
Ollila, D.G. Portable computers and portable development systems in the field service environment 4—57786
Ollivier, D. *see* de Paor, A.M. 4—45404
Olofsson, K.S. *see* Celandroni, N. 4—38571
Olsder, G.J. *see* Papavassilopoulos, G.P. 4—29342
Olsen, C.E. *see* Brugger, R.M. 4—39486
Olsen, C.O. *see* Davis, J.W. 4—56106
Olsen, C.R. Telecoms on course to a new era 4—54109
Olsen, C.R. DNT is ahead of Norway's telecommunications organisation 4—54531
Olsen, D. Hybrid interleaver 4—47997
Olsen, D.R., James, K.L. Evaluation of the potential reliability effects of ambient atmosphere on aluminum-copper bonding in semiconductor products 4—58666
Olsen, D.R. *see* Mahalingam, M. 4—57848
Olsen, G.H. Vapour-phase epitaxy of GaInAsP 4—29497
Olsen, H.M. *see* Winston, H.V. 4—58917
Olsen, J. *see* Vestgaard, K. 4—39725
Olsen, J.N., Rosenthal, S.E., Mix, L.P., Seidel, D.B., Anderson, R.J., Dreike, P.L., Leeper, R.J. Self-magnetic-field-enhanced ion diode 4—33625
Olsen, J.N. *see* Seidel, D.B. 4—33626
Olsen, K.H., Folsom, B.J., Ham, R.J., Clarke, J.D. Digital's personal computers 4—35856
Olsen, L.C. *see* Miller, W.A. 4—45645
Olsen, R., Seifert, W., Taylor, J. RS-232-C data transfer on local networks 4—48223
Olsen, R.G. A simple model for weakly coupled lossy transmission lines of finite length 4—37690
Olshansky, R., Su, C.B., Manning, J., Powazinik, W. Measurement of radiative and nonradiative recombination rates in InGaAsP and AlGaAs light sources 4—59530
Olshansky, R. *see* Su, C.B. 4—31370, 4—42614
Olshausen, R.von *see* von Olshausen, R.
Olson, D.H. *see* Glass, A.M. 4—42694
Olson, D.H. *see* Johnson, A.M. 4—61398
Olson, D.H. *see* Liao, P.F. 4—58817
Olson, J.W., Schepis, A.J. Description and application of the fiber SLC carrier system 4—54757
Olson, J.W., Schepis, A.J. Optical fiber transmission in the subscriber loop plant 4—54783
Olson, R.F. *see* Binkerd, M.S. 4—32257
Olsson, E. *see* Braugenhardt, S. 4—43556
Olsson, L., Rudner, S., Kollberg, E., Lindstrom, C.O. A low noise SIS array receiver for radioastronomical applications in the 35-50 GHz band 4—60948
Olsson, N., Trostell, B. A routine method for accurate neutron energy measurements in the range 1-20 MeV 4—56036
Olsson, N.A., Dutta, N.K. Effect of external optical feedback on the spectral properties of cleaved-coupled-cavity semiconductor lasers 4—37358

Olsson, N.A., Dutta, N.K., Besomi, P., Shen, T.-M., Nelson, R.J., Linke, R.A., Tucker, R.S. 2 Gbit/s operation of single-longitudinal-mode 1.5 μm double-channel planar buried-heterostructure C^3 lasers 4−37366
Olsson, N.A., Dutta, N.K., Logan, R.A., Besomi, P. Fiber-dispersion and propagation-delay measurements with frequency-and amplitude-modulated cleaved-coupled-cavity semiconductor lasers 4−37126
Olsson, N.A., Logan, R.A., Johnson, L.F. Transmission experiment at 3 Gbit/s with close-spaced wavelength-division-multiplexed single-frequency lasers at 1.5 μm 4−59209
Olsson, N.A., Tsang, W.T. An optical switching and routing system using frequency tunable cleaved-coupled-cavity semiconductor lasers 4−44117
Olsson, N.A., Tsang, W.T., Logan, R.A. Active spectral stabilization of cleaved-coupled-cavity (C^3) lasers 4−31445
Olsson, N.A. *see* Agrawal, G.P. 4−52946
Olsson, N.A. *see* Cheung, N.K. 4−54795
Olsson, N.A. *see* Dutta, N.K. 4−42611, 4−47477
Olszewski, J. *see* Chruscielewski, W. 4−55972
Olver, A.D., Voglis, E.E., Clarricoats, P.J.B. High-efficiency, dual-offset reflector antennas for DBS reception 4−37756
Olver, A.D., Yang, K.K., Clarricoats, P.J.B. Propagation and radiation behaviour of dual-depth corrugated horns 4−42951
Olver, A.D. *see* Botros, A.Z. 4−38671
O'Mahony, M.J. Computer aided filter design using component optimisation 4−41454
O'Mahony, M.J. Signal design for optical communication 4−44133
O'Mahony, M.J., Brockbank, R.G. Effects of phase noise in injection-locked laser amplifier system 4−54801
O'Mahony, M.J. *see* Mitchell, A.F. 4−38616
O'Malley, M.J. *see* de Paor, A.M. 4−45404
Omatu, S. *see* Kikuchi, A. 4−47821
Omel'yanenko, M.Yu. *see* Kononov, M.V. 4−53070
Omet, D. *see* Denis, B. 4−35751
Omet, R., Wenzel, H. Readings' multiplexer 4−60582
Omidyar, C.G., Kelly, W.J., Jr. Analysis of flow and congestion control in packet-switched networks 4−43810
Omori, Y., Nakahara, M., Horiguchi, M. Properties of alumina doped VAD fibers 4−52595
Omotayo, O.R. Performance of videotex-to-speech convertor 4−48078
Omote, Y. *see* Suzuki, S. 4−30947, 4−30992
Omoto, N. *see* Nezu, T. 4−54987
Omoto, O. *see* Nagatomo, T. 4−50040
Omura, J. *see* Sarkozy, Z. 4−32775
Omura, J.K. Source and channel coding with block and convolutional codes 4−37849
Omura, J.K. *see* Crepeau, P.J. 4−31883
Omura, J.K. *see* Viterbi, A.J. 4−37801
Omura, K. *see* Shinoda, S. 4−40966, 4−41150
Omura, S. *see* Saito, K. 4−32820
Onabe, K. Immiscibility analysis for III-V quaternary solid solutions 4−30331
Onaka, H. *see* Yamazaki, T. 4−30303
Onaral, B., Kim, D. A new data-reduction technique for EEG and EMG-signals 4−49213
Onaral, B., Tashayyod, D., Trosino, J.M. Interactive computing and graphics in undergraduate digital signal processing 4−35212
Onaral, B., Weininger, S., Sun, H.H. The effect of metal electrodes on stimulation thresholds 4−49110
Oncu, O. *see* Kaynak, O. 4−34689
Onda, K. *see* Kuroki, Y. 4−50979
Ondrejka, A.R., Adams, J.W. Shielding effectiveness (SE) measurement techniques 4−59804
Ondris, M. *see* Den Boer, W. 4−58899
Ondrusek, V. Problems of using the economic evaluative criteria of the annual regimes of power utilisation of storage reservoirs 4−49796
O'Neal, J.B., Jr. Overview of power distribution line carrier communications systems 4−32622
O'Neal, J.B., Jr. *see* Townes, S.A. 4−47755
O'Neil, J.E. *see* Taylor, E.R. 4−49582, 4−49606
O'Neil, W.K. DC, AC and advanced EV propulsion systems 4−40567
O'Neill, B.J. *see* Robinson, B. 4−61376
O'Neill, E. *see* Melstrand, O. 4−30616
O'Neill, E.F. *see* Adler, E. 4−35811
O'Neill, G.K., Snively, L.O. The GEOSTAR position determination and digital message system 4−38749
O'Neill, J.F. *see* Dixon, K.E. 4−32545
O'Neill, J.J. *see* Vossen, J.L. 4−46941
O'Neill, J.J., Jr. *see* Faith, T.J. 4−36692
Ong, C.K. Simultaneous monitoring of two signals coupled to a quantum-mechanical oscillator 4−44140
Ong, C.M. Operational behavior of line-commutated photovoltaic systems on a distribution feeder 4−62453
Ong, C.M. *see* Opoku, G. 4−56560
Ong, E., Hu, E.L. Multilayer resists for fine line optical lithography 4−52225
Ong, E., Tai, K.L., Vadimsky, R.G., Kemmerer, C.T. Germanium-selenium (Ge-Se) based resist systems for submicron VLSI application 4−36668
Ong, H., Schnorr, C.P. Signatures through approximate representations by quadratic forms 4−53430
Ong, L. *see* Siskind, E.J. 4−33810
Ong, P.P. *see* Tan, K.L. 4−59950
Onga, S. *see* Shibata, T. 4−35809
Onians, S. Testing pushed to new limits 4−29558
Onishchenko, A.M. Improving the accuracy of a single-channel measuring instrument 4−33078
Onishchenko, G.B., Ponomarev, V.M., Anishev, E.Yu., Verber, O.L., Zhorov, S.I., Kulev, A.S., Mefod'ev, S.P., Moz, L.S., Cheremisin, V.V., Sychev, Yu.P. Regulated electric drive of the main circulating pumps of unit three at the Beloyarsk nuclear power plant 4−34979
Onishchenko, N.S. *see* Alekseev, V.A. 4−37513
Onishchenko, V.Ya., Vitoshka, V.I., Firsin, Yu.A., Derbova, O.V. Choosing a rational scheme for saturated steam district heating turbines 4−56832
Onishi, K., Ido, K., Inoue, T., Inagi, M., Tanaka, K. Consumer use compact cassette digital audio recorder 4−44378
Onishi, S., El-Asir, B., Eschwei, M., Wang, W.-C. Monolithic thin film acousto-electric correlator utilizing two modes of SAW 4−52429
Onishi, S., Wen, D.D., Reaves, D., Pendelton, J. A 3456-element CCD sensor with serpentine shift registers 4−55278
Onishi, Y. *see* Takasago, H. 4−58655
Onitsuka, M. *see* Nakamura, K. 4−52789
Ono, I. *see* Uematsu, H. 4−38429
Ono, K., Tanaka, T. Remote meter reading system utilizing the no-ringing circuit service on existing telephone lines 4−32302
Ono, K. *see* Ito, H. 4−58866
Ono, K. *see* Matsuo, K. 4−54682
Ono, K. *see* Takizuka, T. 4−32787
Ono, K. *see* Yoshida, K. 4−52621
Ono, M., Nakamura, Y. An improvement of the absorber for VHF band 4−59732
Ono, M., Sugawara, A., Nakamura, M., Nakamura, Y. Absorber design for super UHF 4−31645
Ono, M., Yokoto, T., Shibuya, T. A practical method of measuring the scattering characteristics of the pyramidal absorber 4−47570
Ono, M. *see* Imai, M. 4−56887
Ono, M. *see* Masuoka, F. 4−35818, 4−51232
Ono, M. *see* Nakagawa, Y. 4−42219
Ono, M. *see* Takaoka, M. 4−56619
Ono, O., Takayama, C., Tsuzuki, S. Discrete time analysis for frequency dynamics of power system on an electrical load change 4−45021
Ono, S., Tsutaki, K., Kageyama, T. Proposal of a high efficiency tube for high power millimetre or submillimetre wave generation. The gyropeniotron 4−30256
Ono, S., Tsutaki, K., Kageyama, T. Proposing the gyro-peniotron, with its operation analysis 4−36195
Ono, S. *see* Araseki, T. 4−31933
Ono, S. *see* Katsumata, Y. 4−36547
Ono, S. *see* Kozuka, S.-I. 4−32000
Ono, S. *see* Mizuno, K. 4−59839
Ono, T., Ozawa, A. High contrast X-ray mask preparation 4−36392
Ono, T., Shimaoka, H. Dynamic mass-measurement system of displacement and velocity sensing type 4−48729
Ono, T. *see* Kato, K. 4−47106
Ono, Y. *see* Katayama, Y. 4−30623
Ono, Y. *see* Nakatsuka, S. 4−53013
Ono, Y. *see* Usagawa, T. 4−50797
Onoda, K. *see* Shuto, M. 4−53880
Onoda, M. *see* Kaneko, M. 4−58130
Onoda, Y. AC motors for AISCO-project, Bahrain 4−45435
Onodera, H., Awai, I., Nakajima, M., Ikenoue, J. Experiment on light intensity modulation based on guided-to-radiation mode coupling in Nb_2O_5 film-$LiTaO_3$ substrate waveguide 4−31157
Onodera, H., Ökuda, M., Awai, I., Nakajima, M., Ikenoue, J. Nb-diffused $LiTaO_3$ waveguides and light modulators by use of guided-to-radiation mode coupling 4−31155
Onodera, H. *see* Yokoyama, N. 4−51227
Onodera, R. *see* Yamafuji, K. 4−31056
Onoe, M. *see* Tomikawa, Y. 4−56354
Onogi, S. *see* Isogal, Y. 4−61756
Onozato, Y., Noguchi, S. Bifurcation set of the CSMA scheme 4−32098
Onozato, Y., Noguchi, S. An analysis of bistability of random access schemes in communications 4−43796
Onozuka, K. *see* Fukuda, T. 4−56242
Onufriev, V. Spent fuel management today 4−56748
Onuki, J., Suwa, M. Effect of electrode material on forward voltage drop of diode 4−30593
Onuki, J., Suwa, M. Effect of phosphorus concentration of n^+-type silicon on the thickness and the electrical property of regrowth layer formed with brazing between n^+-type silicon and aluminum 4−30594
Onuki, J., Suwa, M., Iizuka, T., Okikawa, S. Study of aluminum ball bonding for semiconductors 4−58662
Onuki, T., Ishiyama, A., Abe, T. Finite boundary element using vector and scalar potentials for open boundary magnetic field problem 4−53149
Onuma, S. *see* Tamahashi, K. 4−41083
Onuma, T. *see* Nagano, K. 4−46414
Onyshkevych, L.S. *see* Hang, K.W. 4−36163
Onyshko, S. *see* Elgazzar, S. 4−41254
Oohara, K. *see* Sato, M. 4−54163
Ooi, B.T. *see* Banakar, M.H. 4−56643, 4−56644
Ooi, S.L. *see* Eastham, D.A. 4−33565
Ooka, H. *see* Nishimura, T. 4−58286
Ooka, T., Hashizu, M., Motoyama, H. Personal radio overall signaling characteristics test equipment 4−55156
Oomen, G.L., Verbeek, W.J.P.A. A real-time optical profile sensor for robot arc welding 4−57613
Oommen, T.V. Moisture equilibrium in paper-oil insulation systems 4−36959
Oommen, T.V., Petrie, E.M. Electrostatic charging tendency of transformer oils 4−57127
Oomura, E., Higuchi, H., Hirano, R., Sakakibara, Y., Namizaki, H., Susaki, W. Degradation mechanism in 1.3 μm InGaAsP/InP buried crescent laser diode 4−53016
Oomura, E., Higuchi, H., Sakakibara, Y., Hirano, R., Namizaki, H., Susaki, W., Ikeda, K., Fujikawa, K. InGaAsP/InP buried crescent laser diode emitting at 1.3 μm wavelength 4−59532
Oomura, E. *see* Hirano, R. 4−37385
Oomura, Y. *see* Watanabe, Y. 4−52355
Oosenbrug, A. *see* Forster, T. 4−31066
Ooshika, H. *see* Inoue, T. 4−48689
Oosterhoff, S., Middlehoek, J. Deep implanted layers of boron in silicon 4−36454
Oosterlinck, A. *see* De Roo, J. 4−53862
Oosterlinck, A. *see* Fehervari, I. 4−53877
Oosterlinck, A. *see* Suetens, P. 4−49283
Oosterlinck, A. *see* Van Boven, G. 4−53881
Oosterom, H. Financing business ventures using videotex 4−48124
Oota, I., Inoue, T., Ueno, F. A realization of low-power supplies using switched-capacitor transformers and its analysis 4−41188
Oota, I. *see* Ueno, F. 4−46349
Ootuka, A. *see* Fujimoto, F. 4−58043
Op de Beek, F.J. *see* de Wit, R.P. 4−44337
Opal, A. *see* Latif, M. 4−36562
Opanasyuk, A.S. *see* Boiko, B.T. 4−51770
Oparin, A.N. *see* Gibina, L.A. 4−60153
Opdorp, C.van *see* van Opdorp, C.
Openshaw, S. An evaluation of the safety characteristics of current and possible future nuclear power station sites 4−56759
Opilski, Z. *see* Finak, J. 4−31142
Opilski, Z. *see* Jerominek, H. 4−31174
Opitz, H. An optocoupler with definable switching threshold 4−37216
Opitz, H.B. *see* Wetzel, F.R. 4−57658
Opitz, M. Input/output and processing of acoustic signals with a minicomputer system 4−43395
Opoku, G., Ong, C.M. Coordination of reactive power sources to correct bus voltage violations in an AC-DC system 4−56560
Oppe, R. Videotex customs 4−38264
Oppelland, R. How do you modulate a digital recording? 4−44377
Oppenheim, A. *see* Myers, C. 4−60008
Oppenheim, A.V. *see* Curtis, S.R. 4−53925
Oppenheim, J.E. *see* Hsu, L. 4−39659
Oppolzer, H. *see* Fischer, F. 4−36726
Opran, M. *see* Dumitrica, A. 4−42384
O'Quinn, D.I. Consumer cable distribution system interference in the next quarter century 4−59813
Oraby, A.H., Yuba, Y., Takai, M., Gamo, K., Namba, S. Pulse laser annealing effects in Si-implanted GaAs 4−30478
Oraevskii, A.N. *see* Bashkin, A.S. 4−42551
Oraevskii, A.N. *see* Igoshin, V.I. 4−42566, 4−47412
Oranskii, S.V. *see* Merenkov, V.N. 4−48579
Oravec, J., Klimes, J. Transmission of VHF signals in STA and TKR 4−61061
Oravets, I. *see* Kvetan, K. 4−44687
Oravets, Ya. *see* Sarka, I. 4−44699
Orawski, G. *see* Adam, J.F. 4−62215
Orban de Xivry, E. *see* Berote, G. 4−62695
Orbeck, T. *see* Gifford, L.N. 4−49933
Orbell, A., Carter, S. Interconnection of the BT and Mercury networks 4−43657
Orchard, H.J. Occurrence of a singular Jacobian in filter design 4−51402
Orchard, W. Energy act fuels CHP fire 4−39765
Ord, G.R. *see* Lautenbach, P. 4−44873
Ording, E.C., Holsken, H. Videotex service: the new BIX distribution network 4−54190
Ordonez, A. *see* Gascon, D. 4−49257
Ordy, G.M. *see* Rose, C.W. 4−36707

Ordynskii, A.B. Frequency divider with controlled coefficient of division 4—46596
Orefice, M. *see* Daniele, V.G. 4—31625
O'Reilly, J.J. Matched filter receivers 4—41444
O'Reilly, J.J. Spectral characterisation of cyclostationary random processes 4—43035
O'Reilly, J.J. Markov chains 4—43036
O'Reilly, J.J. Bounds and approximations in probability theory 4—43037
O'Reilly, J.J. Timing extraction for baseband digital transmission 4—43081
O'Reilly, J.J. Generating functions, bounds and approximations in optical communications 4—43368
O'Reilly, J.J. Telecommunication principles 4—50309
O'Reilly, J.J. *see* Brown, G.N. 4—44137
O'Reilly, J.J. *see* de Rocha, J.R.F. 4—44136
O'Reilly, J.J. *see* Cattermole, K.W. *(editor)* 4—40696, 4—40697
O'Reilly, P.J.P., Hammond, J.L., Jr. An efficient simulation technique for performance studies of CSMA/CD local networks 4—38288
Orekhov, A.V. *see* Al'tman, A.B. 4—30148
Orel, O.A. How active power losses in synchronous machines depend on their reactive load 4—56951
Orel, O.A., Maletskii, V.I. A voltage fluctuation meter for factory mains 4—44568
Oren, S.S. Planar quasiNewton algorithms for unconstrained saddlepoint problems 4—46135
Orengo, G., Verhaeghe, M. Improvements in centering circuits 4—29656
Orenstein, H. Microwave and cable: competition or complement for satellite systems? 4—44064
Oreshkin, Yu.A. *see* Senyagin, Yu.V. 4—40306
Orfanidis, S.J., Vail, L.M. Zero-tracking adaptation algorithms 4—37995
Orfei, R. *see* Cerulli-Irelli, P. 4—61924
Orgass, G. *see* Nocker, R. 4—38151
Orient, O.J. *see* Srivastava, S.K. 4—44669
Origa, L.C.de O. *see* de Oliveira, J.C. 4—57294
Orimo, K. *see* Kokura, K. 4—52614
Orimo, M. *see* Nakayama, H. 4—35411
Orito, F. *see* Terashima, K. 4—46205, 4—58004
Orito, S. *see* Doke, T. 4—55963
Orkisz, J. *see* Cecot, W. 4—29387
Orlandi, G., Martinelli, G. Harmonic retrieval by FIR digital filters 4—51440
Orlandi, G. *see* Martinelli, G. 4—51438, 4—53723, 4—60120
Orlando, A., Vighi, A. Importance of human factors in the new services for the diffusion and the exchange of information 4—60341
Orlando, A.F. *see* Braga, S.L. 4—34538
Orlando, V.A., Welch, J.D., Harma, W.H. A traffic alert and collision avoidance system for general aviation 4—49412
Orlay, I. Modernization of network operation control 4—56573
Orlinis, R.Yu. *see* Kilna, A.A. 4—37931
Orlov, A.K. *see* Vakhrushin, Yu.P. 4—59151
Orlov, A.P. *see* Bobrov, E.N. 4—32463
Orlov, B.D. *see* Seregin, M.D. 4—40653
Orlov, L.I. Optimising technical data of geophysical information-measuring systems 4—56276
Orlov, L.K. Nonlinear high-frequency properties of size-quantized semiconductor films 4—51742
Orlov, M.Yu. *see* Goryachev, S.B. 4—42532
Orlov, O.A. Precision linear generator for the study of metal-dielectric-semiconductor structures 4—48912
Orlov, S.G. *see* Sinkov, M.V. 4—32020
Orlov, V.A. *see* Lisitsyn, V.N. 4—39522
Orlov, V.B., Yakimov, A.M. Domain regimes of Gunn diode operation in an external varying field 4—41241
Orlov, V.B., Yakimov, A.V. Analysis of the operation of a Gunn diode in the frequency multiplication regime 4—41242
Orlov, V.E., Oleinik, A.S. Microwave propagation in a slot transmission line containing a thermally controllable film of vanadium oxides 4—36013
Orlov, V.P. *see* Gulyaev, Yu.V. 4—59244
Orlov, V.V., Uralov, A.M. Response of the atmosphere to ground weak explosion 4—59746
Orlova, T.M. *see* Lantukh, V.M. 4—35560
Orlovich, V.A. *see* Apanasevich, P.A. 4—42504, 4—59584
Orlovskaya, L.V., Rachinskas, V.S. Electrocrystallization in the deposition of thin magnetic Co and Co alloy films. IV. Co-W-Mn 4—35497
Orlovskii, V.M. *see* Bychkov, Yu.I. 4—52895
Orlowska, E., Pawlak, Z. Representation of nondeterministic information 4—37800
Orlowski, A. *see* Makiedonski, A. 4—43648
Orlowski, T.E., Richter, H. Ultrafast laser-induced oxidation of silicon: a new approach towards high quality, low-temperature, patterned SiO_2 formation 4—52000
Orlowsky, K.J., Speeney, D.V., Hu, E.L., Dalton, J.V., Sinham A.K. Fabrication demonstration of 1-1.5-μ NMOS circuits using optical tri-level processing technology 4—36881
Ormay, J. *see* Mohos, I.M. 4—48719
Orme, M. The superchip solution 4—46492
Orme, M. Chips face the big shrink 4—58956
Ormond, T. Ever-widening list of component types improves outlook for SMD technology [surface mount device] 4—57828
Ormondroyd, R.F., Rozzi, T.E., Morton, P.A., Singh, J. Effect of current rise time on beam stability in twin stripe lasers 4—47459
Ormondroyd, R.F. *see* Kumar, T. 4—42642
Ormont, A.B. *see* Khusid, L.B. 4—52019
Ornov, V.G. *see* Blank, E.I. 4—34048
Ornov, V.G. *see* Brechko, N.S. 4—39817
Ornov, V.G. *see* Volkova, N.V. 4—39813
Ornstein, S.M. *see* Swinehart, D.C. 4—32518
Oro, A.Goicolea de *see* Goicolea de Oro, A.
Oron, M. *see* Feldman, R.D. 4—59520
Oropesa, J. *see* Anders, H. 4—33740
O'Rourke, D. Your guide on how to buy a Key system or small PABX 4—60391
O'Rourke, R., van den Oever, W.E. Beam current measurement 4—30278
Orozobakov, T. *see* Kamayev, R.R. 4—31756
Orpana, T. *see* Seppala, Y. 4—40973
Orr, J.A., Emanuel, A.E., Pileggi, D.J. Current harmonics, voltage distortion, and powers associated with electric vehicle battery chargers distributed on the residential power systems 4—56606
Orr, J.A. *see* Cyganski, D. 4—34231, 4—53939
Orr, R.S. Frequency tracking a downlink FH signal for mobile platforms 4—37954
Orr, T. Chorus/flanger unit 4—55087
Orshanskii, I.S. *see* Daletskii, G.S. 4—57341
Orsini, L.de Queiroz *see* de Queiroz Orsini, L.
Orsitto, F. *see* Bartolini, L. 4—59425
Orszag, M. On the quantum theory of the free electron laser 4—37261
Ort, W. Vacuum deposition or sputtering 4—41082
Ortale, C. *see* Iwanczyk, J.S. 4—33709
Ortega, J.M. *see* Billardon, M. 4—47383
Ortega, J.M. *see* Deacon, D.A.G. 4—52829
Ortega, J.M. *see* Elleaume, P. 4—42500
Ortega, M. *see* Domingo, C. 4—55859
Ortega, M. *see* Vidal-Quadras, A. 4—55974
Ortenberg, M.von *see* von Ortenberg, M.
Ortenberg, M.V. *see* Karczewski, G. 4—37389
Orti, A. A short history of video recording 4—55070
Ortigueira, M.D., Tribolet, J.M. A framework for the evaluation of spectral analysis techniques 4—53761
Ortiz, J.L. *see* Lee, K.Y. 4—45014, 4—56435
Ortiz, L. *see* Flores, R. 4—55900
Ortiz Berrocal, J. *see* Chamorro, J.L. 4—49191
Ortiz Roses, C. *see* Munoz Torralbo, A. 4—62462
Ortler, G. The improper fraction division ratios. II. Synthesizer for 'fractional' frequencies 4—58199
Ortmeyer, T.H., Hammam, M.S.A.A., Shaw, J.M. Design of reactive compensation for industrial power rectifiers 4—62638
Orton, D.E. *see* Shively, R.R. 4—51133
Orton, J.W., Powell, M.J. The relationship between space-charge-limited current and density of states in amorphous silicon 4—51759
Orton, J.W. *see* Powell, M.J. 4—52083
Orudzhev, F.D. Expert appraisal and odd set theory in power system studies 4—44965
Orudzhev, F.D. *see* Venikov, V.A. 4—45048
Orusa, A. *see* Merletti, R. 4—44762
Orvek, K. *see* Lin, Y.-C. 4—58831
Orzechowski, T.J., Moebus, M.C., Penko, F.A., Prosnitz, D., Rogers, D., Chavis, C.S., Halbach, K., Hopkins, D.B., Kuenning, R.W., Paul, A.C., Sessler, A.M., Stover, G.D., Tanabe, J.T., Yamamato, R.M., Wurtele, J.S. The status of the Lawrence Berkeley Laboratory and the Lawrence Livermore National Laboratory (LLNL) free electron laser (FEL) 4—47368
Os, C.F.A.van *see* van Os, C.F.A.
Osada, M. *see* Gobho, Y. 4—54166
Osada, Y. *see* Okada, Y. 4—36965
Osadchii, A.I. *see* Aminov, R.Z. 4—56774
Osaka, F., Mikawa, T., Kaneda, T. Electron and hole ionization coefficients in (100) oriented $Ga_{0.33}In_{0.67}As_{0.70}P_{0.30}$ 4—52764
Osaka, J., Kobayashi, T., Nakanishi, H., Hoshikawa, K. Semi-insulating GaAs single crystal growth by LEC method 4—50738
Osaka, J., Kohda, H., Kobayashi, T., Hoshikawa, K. Homogeneity of vertical magnetic field applied LEC GaAs crystal 4—35454
Osaka, K. *see* Tanaka, G. 4—52631
Osaka, Y. *see* Ashida, Y. 4—29519, 4—30511
Osaka, Y. *see* Hamasaki, T. 4—30355, 4—41078, 4—41104
Osaka, Y. *see* Nakashita, T. 4—30353
Osaka, Y. *see* Okuno, T. 4—45625
Osaki, S. Reliability analysis of a 2-out-of- n: F system with infinite degradation units 4—40888
Osaki, S. *see* Tatsuki, M. 4—58267
Osawa, H. *see* Tazaki, S. 4—44289
Osborne, A.G. Modern thoughts on surface resistance 4—48995
Osborne, B.W. 'TV distribution by satellite': chairman's introduction 4—48558
Osborne, F.J. *see* Sawicki, F.S. 4—58702
Osborne, P. A programmable transient recorder 4—39013
Osborne, W.I. *see* Szabo, L.R. 4—48766
Osbourn, G.C. InAsSb strained-layer superlattices for long wavelength detector applications 4—55477
Osbourn, G.C. *see* Barnes, C.E. 4—58764
Osbourn, G.C. *see* Dawson, L.R. 4—51818
Osbourn, G.C. *see* Ziperian, T.E. 4—36637
Osbrink, N.K. *see* Moghe, S. 4—41598
Osburn, J.D.M., Lassise, R.M., Anderson, M.K. A program for experimental verification of electromagnetic compatibility analysis models 4—37620
Oseas, J. *see* Lennon, R.E. 4—43785
Osenga, M. Slow-speed diesel installed for US power generation 4—45323
Osgood, M.J. *see* Poulin, G.C. 4—49802
Osgood, R.M., Jr. *see* Brewer, P. 4—58862
Osgood, R.M., Jr. *see* Reksten, G. 4—46947
O'Shea, J. *see* Capaday, C. 4—58395
O'Shea, P. *see* Schatz, J.F. 4—35103
O'Shea, P.G., Welsh, D., Destler, W.W., Striffler, C.D. Intense relativistic electron beam propagation in evacuated drift tubes 4—41752
O'Shea, T., Sullivan, V., Kindell, R. Precision L-band SAW oscillator for satellite application 4—30929
Osheba, S.M. Decentralized control scheme for turbogenerators in electric power systems 4—62112
Osheba, S.M., Hogg, B.W. Equivalent turbogenerator model for design of multivariable controllers in multimachine systems 4—45017
Osheiba, A.M., Little, T.A., Rahman, M.A. Transient performance characteristics of permanent magnet synchronous machines 4—34632
Oshima, K. Technological perspective of Japanese energy policy 4—39987
Oshima, K., Matsusawa, S., Takasu, K. Wave interference calculation system [for Intelsat] 4—31647
Oshima, K., Murakami, M. Thermo-fluid-dynamics of heat pipes 4—44814
Oshima, K. *see* Matsuura, F. 4—62833
Oshima, M., Toyoda, Y., Matsuki, M., Hirayama, N., Takenaka, N., Kino, Y. Buried-crescent type 1.3 μm semiconductor laser with semi-insulating layer 4—31391
Oshitani, M., Sasaki, Y., Takashima, K. Development of a nickel electrode having stable performance at various charge and discharge rates over a wide temperature range [Ni-Cd cells] 4—40383
Oshman, J. *see* Bar-Itzhack, I.Y. 4—39637
Osifchin, N., Horzepa, J.J., Jacobs, M.E. Evolving central-office powering architectures 4—56525
Osiko, V.V. *see* Zharikov, E.V. 4—31364, 4—42603
Osinski, M., Adams, M.J. Intrinsic manifestation of regular pulsations in time-averaged spectra of semiconductor lasers 4—42632
Osinskii, A.G. *see* Yanukovich, S.F. 4—30193
Osipenko, B.P. *see* Gaisak, I.I. 4—49073
Osipenko, B.P. *see* Gornov, M.G. 4—49081, 4—61701
Osipenko, V.P., Slavinskii, V.D. CO_2 pulsed arc welding with automatic variation of the slope of the external characteristic of the power source 4—62859
Osipov, E.V. *see* Shevchenko, A.I. 4—33517
Osipov, V.P. *see* Egorychev, L.N. 4—33526
Osipov, V.V. *see* Bychkov, Yu.I. 4—52895
Osipov, V.V. *see* Gal'dikas, A. 4—36299
Osipov, V.V. *see* Ikonnikova, O.G. 4—31222
Osipov, V.V. *see* Neustroev, L.N. 4—51810
Osipova, I.V. Residence time of feedwater impurities in drum boilers of thermal power stations and in steam generators of nuclear power stations 4—40118
Osipova, V.G. Lasers in the national economy [USSR] 4—59376
Osipovich, V.T. *see* Kaimakov, A.A. 4—29214
Osip'yan, Yu.A. *see* Bronnikov, A.D. 4—59561
Oskolkov, I.N. *see* Alfimova, N.V. 4—35044
Osman, R.H. An improved circuit for accelerating commutation in current source inverters 4—57220
Osman, Z., El-Shibini, M.A. Technical and economical study of a small-scale photovoltaic pumping system in Egypt 4—34263
Osmond, S.J. A simple analogy useful in the teaching of capacitors at A-level 4—50370
Osmundsen, J.H. *see* Nielsen, C.J. 4—52954
Osowski, S. Frequency multiplying with the aid of Chebyshev polynomial 4—30069
Ossikovska, S.N. *see* Sainov, V.C. 4—36653
Ossowicki, J., Bialynicki-Birula, K. Technical parameters of the Polish made 500 V fuses with time lag characteristic for industrial applications 4—45571
Ossowicki, J., Bialynicki-Birula, K. Modernized industrial 550 V fuse elements of fast characteristic 4—45572
Ossowicki, J., Trelewicz, A. Possibilities of using LV fuses mounted in fuse-bases of various size 4—45573
Ossowski, M. *see* Smyczek, J. 4—58184
Ostan'kovich, E.V. *see* Brainin, E.I. 4—34586
Ostapenko, O.S. Optimal algorithms for the minimization of functions from the classes $C^n_{1,L,N}$; $C^n_{1,L,N,\varepsilon}$; $C^n_{1,L,N,\delta}$ 4—57938

Ostapenko, R.I. Bridge rectifiers with half-wave control for electrolytic plants 4—41200
Ostapenko, S.N. *see* Drabovich, Yu.T. 4—58552
Ostapenko, V.N. *see* Drabovich, Yu.T. 4—58552
Ostapenko, V.P. *see* Anisimov, A.M. 4—62712
Ostaszewicz, J. Energy aspects of municipal transport 4—62761
Ostendorf, V. The case for audio teleconferencing 4—43656
Ostendorf, V.A. Teleconferencing: changing American business 4—43649
Osterberg, P. *see* Groves, C. 4—41439
Osterby, O. *see* Gear, C.W. 4—57979
Ostergren, C.D. *see* Hassan, J.K. 4—29269
Osterink, L.M. Overview of high power CO_2 laser technology 4—59394
Osterling, L. *see* Heiblum, M. 4—50765
Ostermann, B. The domestic emergency call system—electronics in the service of mankind 4—54133
Ostermayer, F.W., Jr. *see* D'Asaro, L.A. 4—36624
Osterwald, C.R. *see* Kazmerski, L.L. 4—50046
Ostgen, M., Meier, P., Schaldach, M. Implantable reflection telemetry for long-term evaluation of pacemaker-electrodes 4—61815
Ostholt, H., Hermanski, M. Optical length measurement with CCD-array 4—49015
Ostling, M., Nygren, S., Petersson, C.S., Norstrom, H., Wiklund, P., Buchta, R., Blom, H.-O., Berg, S. Reactively sputtered ZrN used as an Al/Si diffusion barrier in a Zr contact to silicon 4—47073
Ostlund, T. *see* Jansson, B. 4—54105
Ostoja, P., Guerri, S., Negrini, P., Solmi, S. The effects of phosphorus precipitation on the open circuit voltage in n^+/p silicon solar cells 4—34890
Ostojic, M. Optimization of single-phase asynchronous condenser-type engine by applying Box algorithm 4—34674
Ostojic, M., Duric, D. Base band data transmission at 19.2 kilobits/second 4—48322
Ostorero, J., Nanot, M., Queyroux, F., Gilles, J.C., Makram, H. Crystal growth and characterization of a perovskite-derived ferroelectric compound: $(Nd_4Ca_2)Ti_6O_{20}$ 4—35466
Ostrerov, V.M. Characteristics of anticipation current limiting systems in DC electric drives with pulse duration converters 4—34977
Ostrizhnov, I.D. *see* Fink, A.K. 4—62424
Ostroukhov, M.S. *see* Maksimov, V.M. 4—51027
Ostroumov, V.G. *see* Zharikov, E.V. 4—31364
Ostroverkhov, V.V. *see* Gorelikov, N.I. 4—55549
Ostrovskii, B.I., Rabinovich, A.Z., Sonin, A.S., Shibaev, I.N. Determination of the threshold sensitivity of infrared-radiation detectors 4—48901
Ostrovskii, M.A Model of two-phase priority service with interrupts in first phase 4—40907
Ostrowski, J. Computer-aided design of distribution transformers 4—57111
Ostrowsky, D.B., Spitz, E. *(editor)* New Directions in Guided Wave and Coherent Optics. Proceedings of the NATO Advanced Study Institute 4—29142
Ostroy, L., Holbrow, W.F., Jr., Martinez, L. Microprocessors in distributed broadcast radio systems 4—54955
O'Sulivan, T.D. *see* Jordan, A.S. 4—57323
O'Sullivan, D., Thompson, A. The ultra heavy nuclei of the galactic cosmic radiation 4—55950
O'Sullivan, D., Thompson, A., Adams, J.A., Beahm, L.P. New results on the investigation of the variation of nuclear track detector response with temperature 4—55885
O'Sullivan, D., Thompson, A., Adams, J.H., Jr. Dinonyl phthalate as a dopant for CR-39 in cosmic ray studies 4—55957
O'Sullivan, D. *see* Thompson, A. 4—55954, 4—55956
O'Sullivan, T.D. *see* Jordan, A.S. 4—29302
Osvenskii, V.B. *see* Mil'vidskii, M.G. 4—58732
Oswald, B. Stresses on a turbine generator set arising from system faults 4—45391
Oswald, B. *see* Erlich, I. 4—56483
Oswald, B. *see* Morozova, J.A. 4—45393
Oswald, G.K.A. Ice-depth radio echo-sounding techniques employed on the Hispar and Ghulkin glaciers 4—33992
Oswald, R.W. Technical and acquisition strategy used in the development of the combat mission simulator for the United States Army's Advanced Attack Helicopter 4—33927
Oswald, W., Mulder, J. Dual tone and modem frequency generator with on-chip filters and voltage reference 4—54488
Ota, H., Narikawa, T., Yamada, M., Nagata, D., Kuno, K., Uchikawa, T. Nuclear-fusion experimental apparatus 4—62299
Ota, M. *see* Imai, N. 4—33384
Ota, T., Kanayama, S., Sato, Y. Heteroepitaxial growth of GaAs semiconductor films on (0001) mica by ionized vapor evaporation under electric field 4—50770
Ota, Y. Accelerated ion doping in Si MBE 4—41957
Ota, Y. *see* Nakamura, K. 4—52445
Otake, H. *see* Takita, K. 4—41946
Otani, N. *see* Ito, M. 4—34223
Otawa, T., Schoen, D.A., Justham, S.A. Assessment of the wind resource in Indiana: modeling approach 4—34254
Otblesk, A.E. *see* Grekhov, I.V. 4—58714
Oter, R., Dominguez, J.M., Puig, F., Farre, J.R. Real-time analysis of the His Bundle Electrogram by microcomputer 4—49252
Otero de la Gandara, M.J. *see* Hernandez Neira, J.L. 4—52782
Otis, G. *see* Vincent, D. 4—52690
Otis, J.N., Zeman, H.D., Hughes, E.B., Finman, L.C., Hofstadter, R., Hudson, A., Rolfe, J., Rubenstein, E., Harrison, D.C., Kernoff, R.S., Thompson, A.C., Brown, G.S. Evaluation of synchrotron X-rays for digital subtraction coronary angiography 4—39544
Otis, J.N. *see* Thompson, A.C. 4—56095
Otis, J.N. *see* Zeman, H.D. 4—39537, 4—56094
Otmakhov, Yu.A. *see* Gomzin, G.N. 4—51011
Oton, J.M. *see* Martin-Pareda, J.A. 4—52709
Oton, J.M. *see* Martin-Pereda, J.A. 4—59278
Oton, J.M. *see* Muriel, M.A. 4—48974
O'Toole, M.M. *see* Lin, J. 4—30723
Otsu, N. Multiple regression analysis approach to the automatic design of adaptive image processing systems 4—53861
Otsu, N., Kasvand, T. A new family of nonlinear edge detectors for noisy images 4—53854
Otsu, N. *see* Kasvand, T. 4—53858
Otsu, Y. *see* Shimada, K. 4—31657, 4—59740
Otsubo, A. *see* Takashima, T. 4—39946
Otsubo, K., Oguchi, M. Inertial guidance system [on rocket] 4—56244
Otsubo, M. *see* Komatsu, M. 4—35055
Otsubo, T. *see* Hasegawa, K. 4—57480
Otsuka, E., Ohyama, T., Fujii, K. Far-infrared cyclotron resonance study of neutral impurity scattering in GaAs 4—36280
Otsuka, I. Equipment and instruments for use in radiological protection. II. Characteristics and use for survey meters. I 4—61840
Otsuka, K., Kawaguchi, H. Period-doubling bifurcation in detuned lasers with injected signals 4—42511
Otsuka, K., Kawaguchi, H. New route to optical turbulence in detuned lasers with a compound cavity 4—59557
Otsuka, K., Shirai, Y., Okutani, K. Sealing mechanism of silicone jelly encapsulation with high reliability 4—57838
Otsuka, N. *see* Kolodziejski, L.A. 4—58015
Otsuka, S. *see* Matsumoto, F. 4—34580
Otsuki, T. *see* Ohta, I. 4—36584, 4—42073
Ott, D.A. *see* Gillette, P.C. 4—44785
Ott, E., Antonsen, T.M., Jr., Chang, C.L., Drobot, A.T. Negative energy waves and the stability of magnetic insulation 4—51692
Ott, E. *see* Chang, C.L. 4—30266
Ott, G.D., Strand, J.L. Videotex tutorial 4—32309
Ott, W. *see* Kramer, D. 4—33623
Ottaviani, G. *see* Gallesio, A. 4—30600
Otten, K.W. Changes in business communications: innovative uses of new media and technologies 4—54365
Otten, R.H.J.M. Efficient floorplan optimization [VLSI] 4—30712
Otten, R.H.J.M. *see* Brayton, R.K. 4—51184
Otterlei, H. *see* Halse, B. 4—60782
Ottinger, P.F., Goldstein, S.A., Meger, R.A. Theoretical modelling of the plasma erosion opening switch for inductive storage applications 4—57277
Ottinger, P.F. *see* Neri, J.M. 4—34801
Otto, J. Teletex terminals. Framework values of the German Post Office (DBP) 4—32273
Otto, S. *see* Banlaki, P. 4—33113
Otto, W.-R. The use of EBU/IRT and SMPTE code for film editing 4—53414
Otto Bader, K. Investigations into the use of adaptive pre-emphasis for AM transmission 4—43351
Ottobre, L.G. *see* Kimmel, D.S. 4—49844
Ottolia, O. Two ICs can detect the wrong crystal oscillator 4—35851
Ottosson, J. *see* Eriksson, M. 4—56904
Ottsen, H. *see* Mcggitt, D.J. 4—61969
Ou, S.S., Stafsudd, O.M., Basol, B.M. Space-charge-limited current measurement of traps in p-type electrochemically deposited CdTe thin films 4—30342
Ouchi, H. *see* Kawashima, S. 4—51526
Ouchi, K. Effect of defocusing on the images of ocean waves 4—43469
Ouchi, K., Iwasaki, S. Performances of double layer medium in perpendicular recording 4—37017
Ouden, A.H.den *see* den Ouden, A.H.
Ouden, W.den *see* den Ouden, W.
Oudendal, F. Flywheel energy for electric public transport buses and trains 4—62741
Ouellette, C. Using a disk-drive analyzer for window margin testing 4—37013
Ouellette, F. *see* Gingras, M. 4—31355
Oughstun, K.E., Spinhirne, J.M., Anafi, D. Intracavity adaptive optics. IV. Comparison of theory and experiment 4—37394
Oughton, G.W., Jr. *see* Allen, J.P.C. 4—57432
Ouldridge, M. *see* Cherry, S.M. 4—49466
Ouqi Wu *see* Wu Ouqi
Ouriachi, Kh., Touil, M., Bourton, M. An assembly procedure by robot 4—53949
Ousterhout, J.K. Corner stitching: a data-structuring technique for VLSI layout tools 4—30671
Ousterhout, J.K. The user interface and implementation of an IC layout editor 4—52151
Outlaw, R.A., Hospon, P., Jr. Free-standing thin film Ge single crystals grown by plasma-enhanced chemical vapor deposition 4—29483
Outlaw, R.A. *see* Wilson, J.W. 4—40437
Outwater, C., Robinson, A., van Hamersveld, E. Large format holograms in entertainment applications 4—59634
Ouyang Min *see* Zheng Baoyu 4—57965
Ovadia, S., Sargent, M., III Two-photon laser and optical-bistability sidemode instabilities 4—37262
Ovakimyan, A.S. Investigation of possible methods of current feeds to motors of the DPMS type 4—56937
Ovcharek, V.E., Roslankin, V.F., Shumilov, Yu.A. Calculation of induced vibrations in an asynchronous shielded motor 4—45448
Ovcharenko, A.P., Lupashko, E.A. Multilayer dielectric coatings of unequal thickness 4—47322
Ovcharenko, I.N. A fast acting power measurement system 4—56706
Ovcharenko, N.F. *see* Ovcharenko, V.V. 4—42022, 4—42023
Ovcharenko, V.V., Antyufeev, V.I. Optimisation of transients in a power transistor in terms of output signal shape with constraints on controlling signals 4—42041
Ovcharenko, V.V., Ovcharenko, N.F. Use of integral equations for investigating pulsed semiconductor devices with reactances. I. Problem presentation, derivation of integral equations 4—42022
Ovcharenko, V.V., Ovcharenko, N.F. Use of integral equations for investigating pulsed semiconductor devices with reactances. II. Solution of integral equations and their analysis 4—42023
Ovchinnikov, A.V. *see* Al'tshuler, G.B. 4—42717
Ovchinnikov, E.K. *see* Dolgih, V.E. 4—56033
Ovchinnikov, F.E. Problems of economy of energy resources [USSR railway system] 4—57449
Ovchinnikov, K.V. *see* Filonin, O.V. 4—48751
Ovchinnikov, S.G. *see* Erukhimov, M.Sh. 4—41803
Ovchinnikov, V.M. *see* Apanasevich, P.A. 4—59584
Ovchinnikov, V.M. *see* Krupkin, V.Kh. 4—37349
Ovchinnikov, V.V. *see* Volkova, N.V. 4—39813
Ovenston, A., Walls, J.R. AC heating of a heterogeneous catalyst 4—50223
Overbye, V.D. *see* Brauer, J.R. 4—34681
Overfelt, R.A., Becker, J.J. Thermal effects of moderate substitutions of cobalt for iron in $Fe_{76}Pr_{16}B_8$ 4—36994
Overman, W. *see* Kishimoto, Z. 4—52247
Overshott, K.J. *see* Blundell, M.G. 4—42225
Overshott, K.J. *see* Meydan, T. 4—44492
Overstraeten, R.van *see* van Overstraeten, R.
Overstraeten, R.Van *see* Van Overstraeten, R.
Overstrom, A.R., DeMar, P.J. Testing batteries to ensure reliability 4—45024
Ovide, B.Alvarez *see* Alvarez Ovide, B.
Ovren, C. *see* Hok, B. 4—33228
Ovshinsky, S.R. *see* Adler, D. 4—51794
Ovshinsky, S.R. *see* Kakalios, J. 4—58772
Ovsyannikov, A.A. *see* Aleksandrov, I.N. 4—40232
Ovsyannikov, B.D. Monitoring insulation in a series of rechargeable cells 4—57315
Ovsyannikov, M.I., Perov, A.S., Postnikov, V.V. Kinetics of doping a silicon crystal from beams of atoms in vacuum 4—58859
Ovsyannikova, L.P., Shpak, E.V., Yavor, S.Ya. Variable-aperture electrostatic lenses 4—59723
Ovsyannikova, O.B. *see* Leyman, V.G. 4—30297
Ovsyuk, V.N. *see* Gerasimov, N.P. 4—51911
Ovsyuk, V.N. *see* Gusev, G.M. 4—51763
Ow-Wing, K. *see* Kitson, B. 4—29767
Owada, K. *see* Imai, Y. 4—50992
Owczarski, P.A. *see* Cranford, H.C. 4—29662, 4—29663
Owechko, Y., Tanguay, A.R., Jr. Theoretical resolution limitations of electrooptic spatial light modulators. I. Fundamental considerations 4—47298
Owechko, Y., Tanguay, A.R., Jr. Theoretical resolution limitations of electrooptic spatial light modulators. II. Effects of crystallographic orientation 4—47299
Owen, B. Energy miser for air conditioners 4—62832
Owen, D., Parris, A. On the external magnetic field of two-dimensional semi-infinite plates: single plates 4—42764
Owen, D. *see* Kononenko, W. 4—33692
Owen, D. *see* Theodosiou, G.E. 4—33677
Owen, E.L., Griffith, G.R. Induction generator application for petroleum and chemical plants 4—57645
Owen, E.L., Morack, M.M., Herskind, C.C., Grimes, A.S. AC adjustable-speed drives with electronic power converters—The early days 4—49960

Owen, E.W., Shimer, D.W. Normal zone detectors for a large number of inductively coupled coils 4−59174
Owen, G. *see* Cumming, A.D.G. 4−33990
Owen, H.A., Jr. *see* Kelley, A.W. 4−57138
Owen, H.A., Jr. *see* Thottuvelil, V.J. 4−59149
Owen, J. *see* Rino, C.L. 4−53218
Owen, J.E. Simple synthesised signal source 4−51021
Owen, J.R. *see* Hooper, A. 4−45612
Owen, J.W., Barker, B.C., Jr. The pitfalls of procuring alarm systems using performance specifications without industry coordination 4−35267
Owen, K. VLSI analysis at Harwell 4−52190
Owen, K. IFIP and data exchanges 4−60496
Owen, L. Telephone bills and smooth operators 4−48341
Owen, L.N. Gray, binary and radix code manipulation 4−29963
Owen, L.N. Using fibre optics 4−31119
Owen, M.J. *see* Harris, S.J. 4−30855
Owen, R.C. *see* Bowker, K.J. 4−46263
Owen, S.J.T. *see* Yang, K.-W. 4−52814
Owen, W. EIES to the front [Electronic Information Exchange System] 4−60490
Owen, W.A. *see* Jaffe, L.D. 4−34521
Owens, D.A. 'The factory with a future'. An overview of one automated factory 4−40848
Owens, G.R. *see* Baker, K.M. 4−46731
Owens, J.B. Enhancing engineering careers: the individual's responsibility 4−50377
Owens, J.M. *see* Adkins, L.R. 4−31038
Owens, J.M. *see* Carter, R.L. 4−29702
Owren, H.M. *see* Matuk, C.A. 4−61667
Owsley, N.L. Joint source and sensor location estimation 4−60131
Owyang, K. *see* Boyce, D. 4−35637
Oxaal, J. *see* Garde, D. 4−41371
Oxaal, J. *see* Nuttall, J. 4−60070
Oxenboll, J., Hougaard, L. Trends in developing instruments in the telecommunications area 4−61237
Oxford, D.F. Series-tuned cavity frequency multipliers 4−51542
Oyaba, I. *see* Hayashi, S. 4−62322
Oyama, J. *see* Mineo, T. 4−57149
Oyama, J. *see* Tsuji, M. 4−56995
Oyama, J. *see* Yamada, E. 4−56994, 4−57051
Oyama, K. *see* Iwasaki, M. 4−40249
Oyama, S. *see* Shimizu, H. 4−52374
Oyama, T. Instrumentation equipment of Fuji Electric 4−61184
Oyama, T., Ito, H., Sekine, Y. Wide area and isolated area generation planning 4−56496
Oyama, T. *see* Aoki, Y. 4−52530
Oza, A. Electrical conduction in organic polyiodide chain complexes 4−41852
Oza, H.H. *see* Ragoownsi, N.L. 4−33733
Ozaki, H. *see* Fujishima, K. 4−58330
Ozaki, H. *see* Fujiwara, H. 4−58269
Ozaki, H. *see* Ogawa, K. 4−33682, 4−61670
Ozaki, H. *see* Takano, Y. 4−30354
Ozaki, M. *see* Yoshino, K. 4−52714
Ozaki, N. *see* Ichikawa, Y. 4−34286
Ozaki, S., Ohara, M., Ishida, K. A microprocessor-based DC motor drive with a state observer for impact drop suppression 4−57436
Ozaki, S. *see* Oda, H. 4−30940, 4−47168
Ozaki, S. *see* Suzuki, T. 4−31547
Ozaki, T. *see* Ohba, S. 4−55274
Ozaki, Y. *see* Ikenaga, Y. 4−62019
Ozanich, G. Mobile communications market segmentation: an economic analysis 4−44014
Ozawa, A. *see* Ono, T. 4−36392
Ozawa, J.T. *see* Washwell, E.R. 4−54894
Ozawa, K., Ito, T., Ishikawa, H. UV resist-stripping for high-speed and damage-free process 4−51969
Ozawa, K., Shingai, S. A new method of tearing loops in recycle systems−a successive graph core expansion method 4−35369
Ozawa, K., Walkasugi, H., Tanaka, K. Friction and wear of magnetic heads and amorphous metal sliding against magnetic tapes 4−42247
Ozawa, K. *see* Araseki, T. 4−31933
Ozawa, N. *see* Ohba, S. 4−55274
Ozawa, O. *see* Matsumoto, Y. 4−36632
Ozawa, S. *see* Harasaki, H. 4−32233
Ozawa, S. *see* Itoh, H. 4−44615
Ozawa, S. *see* Mano, A 4−31924
Ozawa, T. Complex bases and the complex degree of freedom of LCR networks 4−46308
Ozawa, T., Koshimaru, S., Kudo, O., Itoh, H., Harashima, N., Yasuoka, N., Asai, H., Yamanaka, T., Kikuchi, S. A 25 ns 64K SRAM 4−51237
Ozawa, T., Sekiguchi, H. A computer-aided circuit layout system based on the functional structure and the physical structure of circuits 4−30175
Ozawa, T. *see* Chiba, N. 4−40958
Ozawa, T. *see* Kamimoto, M. 4−40169
Ozawa, T. *see* Nozaki, K. 4−40418
Ozegovic, M. The compensation theorem in the analysis of the impact of the non-symmetrical line 4−62138
Ozegovic, M. Reduction of three phase passive network by the method of branches [transmission networks] 4−62139
Ozeki, K., Umeda, T. An adaptive filtering algorithm using an orthogonal projection to an affine subspace and its properties 4−43363
Ozeki, M. *see* Kitahara, K. 4−30318
Ozeki, M. *see* Komeno, J. 4−41069
Ozeki, M. *see* Nakai, K. 4−41963
Ozeki, M. *see* Takikawa, M. 4−30625
Ozeki, O. *see* Yamamoto, S. 4−44608
Ozeki, T. *see* Nakamura, M. 4−54751, 4−54828
Ozeki, T. *see* Tamura, T. 4−32379
Ozernoi, N.F., Buner, V.B., Dunaevskii, A.D., Ermolenko, S.F. Testing of armature winding insulation systems of traction electric motors for diesel locomotives 4−34684
Ozerov, L.A. *see* Goloshchapov, S.S. 4−40322
Ozerskii, Yu.P. The efficiency of sequential signal search with sign processing of the received voltage 4−53660
Ozeryansky, G.M. *see* Schwall, R.E. 4−52479
Ozimek, E.J., Paul, D.I. Magnetization dynamics of micron size thin Permalloy films 4−30961
Ozkaynak, H., Thurston, G., Connor, M., Spengler, J., Smith, M., Tong, E., Ghelardi, R., Sanford, G. Assessment of environmental impacts and public health risks associated with fossil fuel energy technologies 4−34256
Ozkaynak, I.J. Preregulator for linear power supplies 4−35610
Ozkul, C. Imagery and microholography at large distance of one dimensional objects illuminated with two waves 4−38046
Oznobishin, V.V., Petrosyan, G.G., Uzdin, R.I. Improved checking scheme for SHF noise generators 4−55500
Ozoe, H. *see* Lior, N. 4−50119
Ozsan, M.E. *see* Gunal, I. 4−36541
Ozturk, M.C., Thompson, M.G. Effects of annealing on the dark conductivity and photoconductivity of RF sputtered hydrogenated amorphous silicon 4−36285
Ozu, T. *see* Nakamura, T. 4−30990
Ozvold, M. *see* Thurzo, I. 4−30439

Paalanen, M.A., Tsui, D.C., Gossard, A.C., Hwang, J.C.M. Temperature dependence of electron mobility in GaAs-$Al_xGa_{1-x}As$ heterostructures from 1 to 10K 4−41877
Paalanen, M.A., Tsui, D.C., Gossard, A.C., Hwang, J.C.M. Disorder and the fractional quantum Hall effect 4−41880
Paalanen, M.A., Tsui, D.C., Lin, B.J., Gossard, A.C. Localization of 2D electrons in GaAs-$Al_xGa_{1-x}As$ heterostructures 4−51835
Paap, G.C. *see* Hommes, E. 4−45427, 4−45428
Paarmann, L.D. Pitch-synchronous sequential least-squares identification of quasi-periodic signals 4−37913
Paarmann, L.D., Deller, J.R., Pencole, B.P. A new time-domain real-time pitch detector implemented in hardware and software 4−37912
Paarni, A. *see* Moilanen, M. 4−48718
Paasch, G. *see* Kelber, J. 4−30700
Paasch, K., Krause, H., Scobel, W. Fission fragment spectroscopy with large surface barrier detectors 4−39489
Pabel, K. Transforms in the digital signal processing. I 4−43348
Pabel, K. Transformations in digital signal processing. II 4−47862
Pabst, D. Software constituents of the design process 4−36129
Pabst, W. Digital display unit 4−61471
Pacak, M. The use of FET operational amplifiers in the reconstruction of electronic electrometers 4−55557
Pacak, S. Unsymmetrical faults analysis by means of ideal transformers in equivalent circuits 4−44972
Pacala, T.J., McDermid, I.S., Laudenslager, J.B. Ultranarrow linewidth, magnetically switched, long pulse, xenon chloride laser 4−31289
Pacansky, J. Solid state electron beam chemistry 4−36369
Pacansky, J., Gutierrez, A., Kroeker, R. Electron beam induced chemistry of lithographic materials 4−30503
Pacas, J.M. *see* Bellomi, A. 4−34640
Pacaut, R., Noblet, P., Lebouc, D. The control of a permanent magnet synchronous motor supplied by a thyristor invertor 4−34635
Paccaud, C. *see* Le Brozec, P. 4−54607
Pace, P. *see* Cruickshank, J.M. 4−54896
Pace, W.D. LSI for telecommunications. A one-chip telephone 4−38357
Pacey, C.G. *see* Martin, P.J. 4−47236
Pache, J. *see* Wuhrmann, K.E. 4−54567
Paciotti, M. *see* Dicello, J.F. 4−29857
Pack, G.E. *see* Galloway, T.R. 4−35092
Pack, J.L. *see* Nahemow, M.D. 4−36445
Packer, S., Bhasker, N. Message exchanges in the Multibus II architecture 4−38299
Packer, S.J., Bhasker, N. Message passing in Multibus II 4−38298
Padalko, L.P., Polyagoshko, V.I. Finding the best distribution of power demand limitation between consumers 4−62068
Padberg, M.W., Wolsey, L.A. Fractional covers for forests and matchings 4−35376
Paddison, F.C. *see* Dugger, G.L. 4−34524
Paddock, C.A., Russell, G.F., Voss, D.F., Miles, R.B. Multiple pulse injection of a picosecond regenerative ring amplifier 4−31411
Padet, C. Some new results from the informational observation theory 4−43067
Padgett, L. *see* Finger, M. 4−33712
Padmanabhan, K., Ananthi, S. EPROM duplicator 4−51223
Padukone, R.N. Low noise amplifiers for satellite communication 4−38547
Padula, C.La *see* La Padula, C.
Paegle, O.G. *see* Dale, V.A. 4−62144
Paek, U.C., Schroeder, C.M. Optical fibres coated with a UV-curable material at a speed of 12 m/s 4−31111
Paek, U.C., Schroeder, C.M. High strength in a long length for fibers coated at a speed of 5 m/s 4−52671
Paek Moon Cheol *see* Moon Cheol Paek
Paes, H.F.M. Heating the city of Rotterdam and renovation of the Galileistraat power station 4−56795
Paesler, M.A. *see* Mosley, L.E. 4−46204
Paffard, A., Purves, D., Jenkins, S. Multi-octave switches, limiters and attenuators for UHF to millimetre wave operation 4−36033
Pafumi, G.R. Merrill Lynch's view of and role in digital electronic message system (DEMS) 4−32231
Pagano, E., Del Pizzo, A., Guidobaldi, R., Perfetto, A. Instability regions of variable frequency supplied asynchronous motors 4−49889
Page, E.W. *see* Bolding, C.E. 4−58561
Page, J.K. *see* Dogniaux, R. 4−33083
Page, R.H., Burnet, G., Grout, J.M., Armstrong, R., Reyes-Guerra, D.R., Hancock, J.C. One foot on the slide−engineering education 4−40750
Pagel, D., Rieckmann, H. Stock-exchange information via interactive videotex 4−38242
Pages, A. *see* Dodu, J.C. 4−34124
Paggen, W. Flame resistant screened plastic housing [packaging] 4−40864
Paggi, R. *see* Babare, A. 4−34056
Paglia, G.E. *see* Gatti, E. 4−39477
Pagliai, G. Renewable energies: renewable energies hybrid systems as power supply for telecom plants 4−60342
Paglione, R. *see* Sechi, F. 4−33133
Paglione, R.W. Miniature microwave antennas for inducing localized hyperthermia in human malignancies 4−33867
Pagnia, H. *see* Muller, R. 4−30584
Pagnin, P. *see* Heilmann, K. 4−46669
Pagurek, B. *see* Janakiraman, N. 4−32600, 4−38119
Pahlavan, K. *see* Bello, P.A. 4−54625
Pahlig, K. *see* Limbach, F. 4−38703
Pahlm, O., Sornmo, L. Software QRS detection in ambulatory monitoring−a review 4−44756
Pahomov, E.E. *see* Kovarskii, A.P. 4−30548
Pahomov, E.E. *see* Lebedev, V.P. 4−30549
Pai, C.S. *see* Scott, D.M. 4−51934
Pai, M.A. *see* Sauer, P.W. 4−56961
Paige, E.G.S. *see* Barnard, M.E. 4−52421
Paige, E.G.S. *see* Bloch, P.D. 4−47161, 4−52434
Paige, E.G.S. *see* Monks, T.J. 4−52430
Paillotin, J.F. *see* Saucier, G. 4−30738
Paine, A. *see* Burley, N.A. 4−55445
Paine, C.H. *see* Dutreix, A. 4−44770
Paine, J. A numerical method for the inverse Sturm-Liouville problem 4−29408
Painter, D. Teletex−the first terminal: Ericsson Information Systems Eritex 10 4−43671
Painting, D. MARRACS−the Marconi Rapid-Attachment Communication System 4−38473
Paisov, V.N. *see* Basov, N.G. 4−37312
Paisov, V.N. *see* Kovsh, I.B. 4−35692
Paiva, J.P.Sucena *see* Sucena Paiva, J.P.
Paivanas, J.A. *see* Hassan, J.K. 4−29269
Pak, K., Maeda, T., Nishinaga, T., Nakamura, T., Yasuda, Y. A numerical model of selective meltback morphology on InP [liquid phase epitaxy] 4−29489
Pak, K. *see* Nishinaga, T. 4−30329
Pak, M.S., Verkuil, R.L. Method for removing mobile charges from insulators 4−36481
Pak, P.S. *see* Ito, K. 4−40059
Pak, P.S. *see* Suzuki, Y. 4−40058, 4−56725
Pak, V. *see* Mirsagatov, Sh.A. 4−57343
Paker, Y., English, H., Bozyigit, M. NPL multicomputer ring modelling and simulation 4−54435
Pakhomov, I.I. *see* Kolomenskii, A.A. 4−42773
Pakhomov, L.N. *see* Andreev, P.A. 4−42508
Pakhomov, L.N. *see* Gusev, A.A. 4−59487
Pakhomov, L.N. *see* Okunev, R.I. 4−37409
Pakhomov, P.L. *see* Namitokov, K.K. 4−50876, 4−57523
Pakhomov, V.I. *see* Vainberg, M.Sh. 4−56174
Pakulak, A. *see* Mulawka, J.J. 4−29730

Pakulis, E.J. *see* DiMaria, D.J. 4—52812
Pal, A.K. *see* Chaudhuri, S. 4—58736
Pal, B.B. *see* Basu, B.N. 4—41779
Pal, B.B. *see* Basu, M. 4—29373
Pal, B.P. *see* Kumar, A. 4—42352
Pal, C. Concerning the principle for damping of oscillations in step-by-step motors 4—34694
Pal, R.N. *see* Kumar, R.V.R. 4—53709
Pal, S.K. *see* Bhattacharyya, S.C. 4—45461
Paladin, G. *see* Marchesi, C. 4—44300
Palagin, Yu.I. Mathematical modelling of multivariate random fields on the basis of parametric representations 4—31565
Palaio, N.P., Pearton, S.J., Haller, E.E. Annealing characteristics of neutron-transmutation-doped germanium 4—30512
Palaio, N.P., Rodder, M., Haller, E.E., Kreysa, E. Neutron-transmutation-doped germanium bolometers 4—61394
Palamarchuk, S.I. Convergence of a linearized decoupled algorithm for load distribution calculations 4—45051
Palandri, M. *see* Marchesi, C. 4—44300
Palange, E. *see* Giuliani, G. 4—59443
Palanichamy, S., Chinnasamy, P. Semiconductor fault-current limiters. I. Problems connected with the possible schemes for implementing short-circuit current limitation in power systems 4—45176
Palanichamy, S., Chinnasamy, P. Semiconductor fault-current limiters. II. Investigations on a semiconductor-diode fault-current limiter for use in power systems 4—45177
Palanichamy, S., Chinnasamy, P. Semiconductor fault-current limiters. III. Investigations on microprocessor-based thyristor fault-current limiter for use in power systems 4—45178
Palanisamy, K.R., Arunachalam, V.P. A simple method of Walsh spectra multiplication 4—29315
Palanisamy, K.R., Arunachalam, V.P Analysis of time-varying and non-linear networks using single-term Walsh series 4—58131
Palanisamy, R. Nondestructive inspection of kinetic bonding by eddy current method 4—29562
Palanivelu, T.G. Power optimizing adaptive antenna arrays 4—59883
Palanivelu, V. Teletraffic measurement 4—54060
Palaniyandi, E. Polarizabilities of shallow donors in multivalley semiconductors 4—51761
Palata, Z., Jankovic, B. Video communication system 4—61106
Palau, J. *see* Vieujot-Testemale, E. 4—30556
Palau, J.M. *see* Ismail, A. 4—30426, 4—30519, 4—30596
Palau, J.M. *see* Raisin, C. 4—46963
Palazov, D.V. *see* Kruglii, V.P. 4—42746
Palazzo, R., Jr. Dynamic transfer function technique applied to periodically time-varying convolutional codes 4—37872
Palencia, C., Sanz-Serna, J.M. An extension of the Lax-Richtmyer theory 4—57989
Paler, K., Foglein, J., Illingworth, J., Kittler, J. Local ordered grey levels as an aid to corner detection 4—60215
Paler, K., Smith, A., Alsford, J., Illingworth, J., Kittler, J., Lewis, J., Adaway, W.G.L., Bowden, P.A., Thomas, W.V. Automatic packaging of integrated circuits 4—51668
Palerma, P. New EEPROM for more and more sophisticated applications 4—58313
Palerma, P. Paris: components exhibition, a new novelty—the Z80000, a new 32-bit architecture 4—58367
Palerma, P. The Transputer. The European revolution in micro architecture 4—58368
Palfalvi, J. Digital circuits and microprocessors used in TV sets 4—44221
Palfalvi, J. (n,α) Magreakcion alapulo szilardtest nyomdetektorokbol felepitett szemelyi albedo neutron dozimeter jelzesenek vizsgalata szamitassal (Incident and albedo neutron effects on (n,α) track and fission detectors) 4—49090
Palfalvi, J. Calibration of fission and (n,α) track detectors on a phantom 4—55918
Palfalvi, J. Neutron sensitivity measurements of LR115 track detector with some (n,α) converters 4—55971
Palfalvi, J. *see* Szabo, P.P. 4—44790, 4—56222
Palffy, L. *see* de Callatay, B. 4—61676
Palfrey, T. *see* Aprile-Giboni, E. 4—55812
Palik, E.D., Holm, R.T., Stella, A. Electric-field-modulated, infrared internal-reflection study of the silicon-electrolyte interface 4—51922
Palinszki, A. Measurement problems of the reflexion parameters of collective receiving aerial systems 4—59841
Paliwal, K.K. On the use of the autocorrelation method of pitch estimation for noisy speech 4—31903
Paliwal, K.K. Effect of spectral flattening on the pitch estimation performance of the autocorrelation method for noisy speech 4—43205
Paliwal, K.K. Effect of preemphasis on vowel recognition performance 4—43242
Paliwal, N.D. Steam-turbine surface condensers—design 4—45289
Palka, R. Extrapolation of static fields measurements by means of the finite element method 4—42756
Palka, R. *see* Sikora, R. 4—34666
Palkin, A.M. *see* Kravchenko, A.F. 4—37198
Palkin, V.P., Shapan, E.N. Rheostatless tuning of electrical equipment 4—44403
Palladino, J.R., Wilkens, W.B. Standard on voice frequency telephone loop performance characteristics 4—32259
Palladino, J.R., Wilkins, W.B. Developing a transmission standard for voice frequency telephone loops 4—32206
Pallares, T. *see* Bayes de Luna, A. 4—49248
Pallas, Areny, R. Interfaces for resistive transducers. II. Voltage dividers 4—44483
Pallas Areny, R. Errors in digital multimeters 4—33365
Pallas Areny, R. Transducer interfaces. I. The problem of the interface 4—39134
Pallas Areny, R. Interfaces for transducers. III. Interfaces for resistive transducers: the Wheatstone bridge 4—48845
Pallas Areny, R. Transducer interfaces. IV. Single-wire, floating, differential and guarded measurements 4—55378
Pallottino, S. Shortest-path methods: complexity, interrelations and new propositions 4—40953
Palm, B.J. *see* Fan, J.C.C. 4—40450
Palm, E., van de Wiele, F. A general finite difference formulation for combined triangular and rectangular grids with application to a gate controlled rectifier in the on-state 4—36516
Palm, R., Nagrani, S. LSI building blocks enhance performance of compact displays [two NMOS ICs form graphics controller] 4—52283
Palma, A. *see* Gatti, E. 4—59121
Palmateer, P.H., Sullivan, J.F. Thick copper (screened) film-sealing band for module-mounted semiconductor chips 4—36401
Palmateer, P.H. *see* Ainslie, N.G. 4—35312
Palmateer, S.C., Eastman, L.F., Calawa, A.R. The use of substrate annealing as a gettering technique prior to molecular beam epitaxial growth 4—51939
Palmateer, S.C. *see* Brown, A.S. 4—51819
Palmer, A.J. *see* Dolezal, F.A. 4—52836
Palmer, E.S. *see* Pan, S.-K. 4—35705
Palmer, H.E., Rieksts, G.A. High-purity planar germanium detectors for in vivo measurements of transuranic nuclides 4—61708
Palmer, J.M., Freeman, M.H. Biocular magnifiers for electro-optic displays—assessment of visual comfort 4—52751
Palmer, J.R., Bennett, H.E. Relationship between coating defects and the limiting flux density a cooled laser mirror can withstand 4—42683
Palmer, J.R., Bennett, H.E. A predictive tool for evaluating the effect of multiple defects on the performance of cooled laser mirrors 4—42684
Palmer, L.C. Computer modelling and simulation of communications satellite channels 4—38505
Palmer, L.D. High-temperature oxidation of alpha nickel-silicon: I. Reaction kinetics - Thermogravimetry 4—35516
Palmer, M.J. *see* Bickford, H.R. 4—46745
Palmer, M.J. *see* Grebe, K.R. 4—30532
Palmer, N.F. Meeting industry's needs 4—50378
Palmer, R.F. *see* Dix, J.F. 4—38694
Palmer, R.L. Observance of H^- by surface chemi-ionization on W(110) 4—61638
Palmer, R.R. *see* Bellis, R.F. 4—34222
Palmer, R.R. *see* Dorler, J.A. 4—50953
Palmer, S.B. *see* Cooper, J.A. 4—49481
Palmer, S.R. *see* McNulty, P.J. 4—55884
Palmetshofer, L. Ion implantation in IV-VI semiconductors 4—51975
Palmetshofer, L. *see* Eisenbeiss, A. 4—51776
Palmier, J.F., Caquot, E., Dangla, J., Ankri, D., Campana, M. Numerical solutions of the electrical properties of GaAs/$Al_{1-x}Ga_xAs$ superlattices and heterojunctions 4—36322
Palmowski, J. *see* Gross, G. 4—34407
Palmquist, K.E. *see* Szczech, T.J. 4—42268
Paloheimo, M. Better control of anaesthesia depth 4—39508
Palosaari, M. *see* Sara, E. 4—48358
Palshkov, V.V. Parameters of nonlinearity of amplifier with negative feedback 4—29682
Pal'tsev, Yu.P. *see* Romanova, T.M. 4—56818
Palucci, A. *see* Giorgi, M. 4—37293
Paludi, C. *see* Gormady, J. 4—35776
Palusinksi, O.A. Continuous expansion methods in computer aided circuit analysis 4—58121
Paluszkiewicz, J., Stasinski, R., Szymanski, Z. An algorithm for soft-decision decoding of the Golay and other linear block codes 4—43185
Palz, W. The European photovoltaic pilot projects 4—40174
Palz, W. *see* Dogniaux, R. 4—33083
Pampalone, T.R. Novolac resins used in positive resist systems 4—52221
Pan, H. *see* Xiao, Z. 4—53003
Pan, J.J. Fiber optics for SATCOM earth terminals 4—38567
Pan, J.T., Blech, I.A. In situ study of film stress and kinetics of platinum silicide formation on silicon 4—30430
Pan, K. *see* Ketzner, J. 4—29896
Pan, P.H. Process for forming a self-aligned SiO_2 moat 4—46927
Pan, P.H. *see* Nguyen, V.S. 4—50804
Pan, S. *see* Eglash, S.J. 4—36336
Pan, S.H. *see* Williams, M.D. 4—58799
Pan, S.-K., Feldman, M.J., Kerr, A.R., Palmer, E.S., Grange, J.A., Timbie, P. Superconducting tunnel junction receiver for 2.6 mm 4—35705
Pan, S.M. *see* Dodds, D.E. 4—31825
Pan, V.M., Flis, V.S., Latysheva, V.I., Fisher, L.M., Dzugutov, V.M. Thick diffusion-produced niobium stannide layers: structure and losses 4—37049
Pan, Z. *see* Evans, H.B. 4—33876
Pan Chengzhi *see* Han Shaoping 4—59413
Pan Fu-Ying *see* Fu-Ying Pan
Pan Guohong Absolute measurement of magnetic tape flux by equivalent direct current method 4—59140
Pan Hongjin, Rui Jinyi Irradiation effects on some light emitting diodes by 14 MeV neutrons 4—37239
Pan Huizhen, Xiao Zongyao, Shen Pennian, Chen Zongquan Fabrication of GaAs monolithically integrated optical circuits 4—37164
Pan Jiu-Jing *see* Chen Zuo-yi 4—56566
Pan Lingfen *see* Cheng Yunqi 4—41117
Pan Rongjun *see* Wang Shutang 4—46215
Pan Wei-han *see* Zheng Cun-sheng 4—51429
Pan Xiao-Pei *see* Miao Yong-Rui 4—43829
Pan Xiaopei *see* Shen Wei 4—59364
Pan-Fu Qiang *see* Qiang Pan-Fu
Panabiere, J.P. *see* Ged, P. 4—30557
Panajotov, S.I. Generators for Elfa spark erosion machines 4—29637
Pananakakis, G., Kamarinos, G. Numerical resolution of the transport equations of MIS tunnel devices 4—36543
Pananakakis, G. *see* Chenevier, P. 4—34909
Panas, S.M., Kriezis, E.E. Computation of the magnetic field of a conductive medium by means of fast Fourier transform algorithm 4—34571
Panasik, C.M., Toplicar, J.R. Adaptive interference suppression using SAW hybrid programmable transversal filters 4—52414
Panasuk, C. Advanced computer mass storage 4—42244
Panasyuk, D.I., Fortul', B.M., Mironov, G.A., Zhislina, A.A. Measures for protecting TNKI 6-10 kW during arc grounding 4—40307
Panasyuk, E.I. *see* Bochkov, Yu.V. 4—58012
Panasyuk, M.I. *see* Belousova, T.Ya. 4—49072
Panasyuk, V.I. Optimum control of an electric drive for simultaneous action on the current and flux of the motor 4—57386
Panasyuk, V.I. Optimum electric drive control in simultaneous action on motor current and flux 4—57390
Panasyuk, V.S., Samoshenkov, Yu.K., Simanovskii, M.F. Small pulsed high-frequency single-resonator electron accelerator 4—39375
Panayappan, R. *see* Cooper, J.C. 4—59803
Panayirci, E. Optimum design of finite duration Nyquist signals 4—37949
Panayotatos, P.N. Grain boundary effects in polycrystalline solar cells 4—34930
Panchenko, B.A., Shabunin, S.N. Radiation efficiency of a slit in a conducting shield covered with a dielectric layer 4—37746
Panchenko, E.M. *see* Andreev, E.M. 4—41035
Panchenko, V.E. *see* Karpenko, V.A. 4—61741
Panchishin, V.I., Rudchenko, P.A. Combined mathematical model KMM-12 4—41522
Pancholi, S.C., de Waard, H., Petersen, J.L.W., van der Wijk, A., van Klinken, J. A new system for depth-selective conversion electron Mossbauer spectroscopy 4—39491
Panchuk, O.E., Feichuk, P.I., Shcherbak, L.P. Electroconductivity of CdTe doped with indium at high temperatures 4—30324
Panciroli, F. *see* Ketmaier, M. 4—54588
Pande, K.P., Aina, O.A., Lakhani, A.A., Nair, V.K.R., O'Conner, J.M. A simplified capless annealing of GaAs for MESFET applications 4—36432
Pande, K.P., Davies, P.W. A novel low-temperature method of SiO_2 film deposition for MOSFET applications 4—41091
Pande, K.P., Gutierrez, D. An indirect plasma-enhanced chemical vapor deposition technique for gate dielectrics 4—52089
Pande, K.P., Nair, V.K.R. High mobility *n*-channel metal-oxide-semiconductor field-effect transistors based on SiO_2-InP interface 4—42063
Pande, K.P., Seabaugh, A.C. Low temperature plasma-enhanced epitaxy of GaAs 4—50779
Pandel, J., Fettweis, A. Analysis of VIS-SC filters 4—41459
Pandelisev, K.A., Wang, E.Y. Auger electron spectroscopy study of the interfacial chemical reactions and drive-out diffusion of thin Au/Cr bilayers on GaAs 4—41903
Pandey, A.N. Voltage and frequency dependent studies of electroluminescent brightness of Nd and Yb doped ZnO luminors at liquid nitrogen temperature 4—52777

Pandey, G.K. *see* Biswas, D.K. 4—34385
Pandey, K.N., Mukhopadhyay, B.K. Use discontinuity plane to measure stripline-fed slots 4—39285
Pandey, P.C., Jain, V.K. Characteristics of electrochemical wire-cutting process 4—50247
Pandey, P.C. *see* Hariharan, T.A. 4—61999
Pandit, V.S., Bhandari, R.K., Chatterjee, S. Studies on central region parameters of VEC 4—33612
Pandya, N., Lin, Y.-K.J. Tactical targeting by structural and correlation analysis 4—53846
Pandya, R.N., Robinson, W.R. New services and their impact on traffic engineering 4—47989
Pandya, T.P., Bali, L.M., Roy, S. Single particle dynamics and gain in free electron laser 4—42502
Panero, S. *see* Pistoia, G. 4—62692
Panesar, H.S. *see* Borger, W. 4—45609
Panfil, S.L. *see* Ginzburg, I.F. 4—33583
Panfilov, B.I. *see* Lyamets, Yu.Ya. 4—36113
Panfilova, E.E. *see* Suminov, V.M. 4—42740
Pang, C.K., Lee, S.T., Lee, K., Rigney, D.M., Kekela, J Potential applications of dispersed fuel cell power plants on electric utility systems 4—49824
Pang, C.-Y. *see* Deo, N. 4—40954
Pang, J.F. *see* Chanson, S.T. 4—31988
Pang, K.F. *see* El Gamal, A. 4—35380, 4—47785
Pang, K.K., Treloar, B. An investigation of the dynamic range problem in wave digital filters 4—30034
Pang, S.-M. *see* Guo, Y.-L. 4—42697
Pang, S.W. Dry etching induced damage in Si and GaAs 4—42004
Pang, S.W., Lincoln, G.A., Geis, M.W., Vera, A. Modification of Schottky diode characteristics in GaAs by dry etching 4—58905
Pang, Y.M. *see* Chen, C.Y. 4—37232, 4—55478, 4—55496
Pangonis, L.I. *see* Katsenelenbaum, B.Z. 4—37717
Pani, R. *see* Di Castro, E. 4—61774
Panich, O.Z., Lokhovinin, L.N. Voltage regulation and stabilisation equipment for group thyristor converters 4—41201
Panie, N. *see* Peterlin, P. 4—49502
Panin, V.I., Baksheev, V.G. Calibration standards for ultrasonic transducers 4—34007
Panish, M.B., Temkin, H. GaInAsP/InP heterostructure lasers emitting at 1.5 μm and grown by gas source molecular beam epitaxy 4—37354
Panitkin, Yu.G. *see* Bogdankevich, O.V. 4—42606
Panknin, D. *see* Wieser, E. 4—36414
Pankov, D.I. Failure forecast in resin-protected integrated circuit connections 4—30214
Pankov, V.A. *see* Dvorovkin, V.E. 4—33168
Pankow, D.H. *see* Steidel, R.F., Jr. 4—40145
Pankowski, B. *see* Bobrowski, G. 4—58411
Pankowski, B. *see* Brown, D. 4—32120
Pankratov, E.K. Measurement system for local networks implemented using SM-2 computers 4—43727
Panlener, M.D. *see* Bruce, F.M., III 4—34658, 4—57035
Panming Fu *see* Fu Panming
Pannaparayil, R. *see* Houlihan, J.F. 4—34823
Pannenbacker, K., Bartel, S. Organised documentation as basis for safe information retrieval 4—49697
Pannetier, B. *see* Maneval, J.P. 4—31088
Panock, R., Forrest, S.R., Kohl, P.A., DeWinter, J.C., Nahory, R.E., Yanowski, E.D. An experimental low-loss single-wavelength bidirectional lightwave link 4—54756
Panock, R.L. *see* O'Connor, P. 4—51152, 4—54794
Panov, V.A. *see* Arkhangel'skii, V.B. 4—33444
Panov, V.M. An analysis of the effectiveness of adaptive systems which utilize correlation feedback for suppression of passive interference 4—42886
Panov, Yu.F. *see* Kuz'Min, I.V. 4—40823
Panova, Z.V. *see* Marov, N.N. 4—36484
Panovko, M.Ya. *see* Kirillov, V.V. 4—62711
Pantaleo, G.G. *see* Pepe, R.A. 4—37938
Pantani, J.P., Verhaeghe, M. Low power N-way analog multiplexer 4—30058
Pantel, R. *see* Duraud, J.P. 4—51858
Panteleev, G.V. *see* Basov, N.G. 4—37307
Panteleev, V.V. *see* Dvoryankin, V.F. 4—29481
Pantell, R.H. Electron (and positron) acceleration with lasers 4—61604
Pantell, R.H. *see* Chen, C.K. 4—52843
Pantell, R.H. *see* Fauchet, A.M. 4—52844
Pantell, R.H. *see* Sheppard, J.C. 4—59716
Pantev, C., Khvoles, R. Comparison of the efficiency of various criteria for artifact rejection in the recording of auditory brain-stem responses (ABR) 4—49203
Pantic, D. Questioning the benefits of burn-in 4—50587
Pantikyan, R.T. *see* Pyshkin, I.M. 4—47765
Pantis, H.J. Progress report of the critical equipment monitoring system, Philadelphia Electric Co. Peach Bottom Nuclear Station 4—45225
Pantopoulos, D. *see* Craelius, W. 4—56134
Pantrey, C. Ramped pulse generator for stepper motors 4—35689
Pantrey, C. Latching switches 4—41520
Panttaja, E. Touch screens let your fingers provide a fast, simple entry into the computer 4—44433
Panwar, O.S. *see* Dixit, P.N. 4—41077
Panwar, S.S., Towsley, D., Wolf, J.K. A collision resolution algorithm for a multiple access channel 4—48259
Panzarino, N.M. *see* Zdzieborski, J.H.G. 4—45233
Panzieri, D. *see* Beninati, A. 4—51037
Pao, Y.-H., El-Sherbini, A. Two-dimensional ARMA model: a high performance image reconstruction method 4—32072
Pao, Y.-H. *see* El-Sherbini, A. 4—53576
Paoletti, A. *see* D'Amico, A. 4—39180
Paoletti, D., D'Altorio, A. Sandwich-double exposure holograms for optical differentiation of displacement patterns 4—53106
Paoletti, F., Perrin, R.G., Ring, D.A. Connector for plating bath 4—45792
Paoli, M. Comparison of mean distance in superposed networks 4—54353
Paoli, T.L., Streifer, W., Burnham, R.D. Observations of supermodes in a phase-locked diode laser array 4—52951
Paoli, T.L. *see* Epler, J.E. 4—52981, 4—59493
Paoli, T.L. *see* Meehan, K. 4—31369
Paoli, T.L. *see* Streifer, W. 4—47454, 4—52977, 4—59526
Paolini, E. *see* Corona, P. 4—37661
Paoloni, F.J., Duffy, M.J. Microwave imaging with digital reconstructions 4—38030
Paor, A.M.de *see* de Paor, A.M.
Paor, D.G.De *see* De Paor, D.G.
Papa, C.Del *see* Del Papa, C.
Papa, J.N.Sferrazza *see* Sferrazza Papa, J.N.
Papa, J.S. *see* Campbell, C.K. 4—52383
Papaconstantinou dv *see* dv Papaconstantinou
Papadakis, E.P., Chesney, H.L., Hurley, R.G. Quality assurance of aluminum radiators by infrared thermography 4—29564
Papadakis, J.A. Linear transformation biquad electronic active filters 4—30012
Papadias, B.C. *see* Dialynas, E.N. 4—34083, 4—34094
Papadias, B.C. *see* Hatziargyriou, N.D. 4—34087
Papadias, B.C. *see* Machias, A.V. 4—49516
Papadias, B.C. *see* Papadopoulos, D.P. 4—34804
Papadias, B.C. *see* van den Heuvel, W.M.C. 4—34710
Papadichev, V.A. *see* Bogachenkov, V.A. 4—59365
Papadidas, B.C. *see* Contaxis, G.C. 4—34128
Papadimitriou, L. *see* Samaras, I. 4—46231
Papadopoulos, D.P., hatziemmanouil, D.S. Recovery and utilization of energy obtained from air or air-wind resistance during vehicle motion 4—35018
Papadopoulos, D.P., Kyriakou, C.A., Papadias, B.C. Reliability and availability calculations using system configuration tie-sets: application to power system substations 4—34804
Papadopoulos, G. *see* Wyatt, J.L., Jr. 4—50883
Papageorgiou, C.D., Boucouvalas, A.C. Computation of mode propagation constants and cut-off frequencies of optical planar layers using the resonance technique 4—52574
Papaioannou, G.J. *see* Kourkoutas, C.D. 4—30336
Papamarcos, J. Growth of electric power in Europe 4—44946
Papamarcos, J. New generating plants: when, where and by whom 4—45196
Papamarcou, A. *see* Fine, T.L. 4—40933
Papamichalis, P.E., Doddington, G.R. A speaker recognizability test 4—53529
Papanicolaou, N.A. *see* Boos, J.B. 4—52119
Papantoni-Kazakos, P. Performance bounds in robust filtering and smoothing 4—43375
Papantoni-Kazakos, P., Marcus, G.D., Georgiopoulos, M. A collision resolution protocol with limited channel sensing—finitely many users 4—32126
Papantoni-Kazakos, P. *see* Georgiadis, L. 4—32131
Papantoni-Kazakos, P. *see* Georgiopoulos, M. 4—48258
Papantoni-Kazakos, P. *see* Tsaknakis, H. 4—43372
Papavassilopoulos, G.P. On linear-quadratic Gaussian continuous-time Nash games 4—29341
Papavassilopoulos, G.P., Olsder, G.J. On the linear-quadratic, closed-loop, no-memory Nash game 4—29342
Papazian, M. *see* Stanchev, S. 4—34629
Papazyan, T.A. *see* Arutunyan, V.M. 4—42704
Pape, D.R., Hornbeck, L.J. Characteristics of the deformable mirror device for optical information processing 4—42438
Pape, J., Jr., Krzysiak, D. The Digital Channel Efficiency Model 4—60587
Papernyi, S.B. *see* Andreev, R.V. 4—59486
Papiernik, A. *see* Jecko, F. 4—31722
Papini, O. Decoding for certain Reed-Solomon codes 4—43164
Papkov, A.I. Potential accuracy of the angle-measuring channel of a complex radio short-range navigation system 4—32873
Papoulias, S.A., Grossmann, I.E. Optimal synthesis of flexible utility systems 4—40666
Papoutsis, D. Keeping the heat on cancer [using fibre optic temperature probe] 4—44772
Papp, K. MICROQUANT mass measuring primary unit 4—61554
Pappalardo, G.S. *see* Julien, J. 4—33690
Papritz, R. *see* Kalter, H. 4—30799
Papuchon, M. Integrated optical modulation and switching 4—31179
Papuchon, M. *see* Ayral, J.L. 4—37449
Papuchon, M. *see* Ayral, J.-L. 4—47283
Papuchon, M. *see* Bourbin, Y. 4—42415
Papuchon, M. *see* Pocholle, J.-P. 4—47282
Papukchiev, A. *see* Zhelezov, Zh.I. 4—32472
Papunashvili, N.A., Ryabtseva, V.D., Chibalashvili, Yu.L. Photochromic optical fiber 4—42392
Papurt, D.M., Shapiro, J.H., Lau, S.T. Measured turbulence and speckle effects in laser radar target returns 4—54901
Paquette, R.J. *see* Cavanaugh, K.T. 4—49315
Paraboni, A. *see* Carassa, F. 4—54731
Parabuchev, I.A. *see* Moshchanskii, V.A. 4—62426
Paradellis, T. *see* Vourvopoulos, G. 4—33561
Paradissis, P.P. *see* Miller, W.M. 4—56536
Paramasivaiah, B. *see* Naidu, P.S. 4—47847
Paramonov, V.K. *see* Kuznetsov, V.D. 4—31783
Paranjpe, S.K., Ektare, A.B., Mital, D.P. Fault diagnosis of alignment networks using Petri nets 4—29575
Paranjpe, S.K., Ektare, A.B., Mital, D.P. A new concept for supermodular alignment network 4—46533
Paranthoen, P., Lecordier, J.C., Petit, C. Test of the P31 DISA probes 4—33247
Paranto, J.N. *see* Wang, J.H.S. 4—37299, 4—37300
Parapatic, K., Miholoc, V. Thrust bearings of large hydroelectric generators 4—56941
Parapatic, K. *see* Ivsinovic, B. 4—56879
Parasie, Y., Pinet, A., Roy, D. The effect of water on the dielectric performance of a cable 4—56624
Paraszczak, J. *see* Jones, F. 4—42107
Parate, N.S. Energy resources and technologies for rural Third World countries 4—34253
Parathasarthy, K. *see* Fakruddin, D.B. 4—62232
Pardavi-Horvath, M., Balasko, M., Vertesy, G. Coercivity contributions in epitaxial garnet layers 4—37004
Pardee, W.J. *see* Arora, A. 4—62007
Pardo, E.Calleja *see* Calleja Pardo, E.
Pardo, R. *see* Kutschera, W. 4—33761
Pardoe, G.K.C. ERS-1 benefits for the UK 4—44821
Pardula, H.F. A general purpose program for automatic production amplifier testing using the HP 8409 network analyzer 4—44426
Pare, C. *see* Piche, M. 4—42510
Pare, E. *see* Rossmere, D.L. 4—49127
Parekh, J.P. *see* Lander, V. 4—29701
Parekh, J.P. *see* Lander, W. 4—52473
Parekh, J.P. *see* Tuan, H.S. 4—52474
Parekh, R.H., Barnett, A.M. Improved performance design of gallium arsenide solar cells for space 4—45651
Parent, M. *see* Lacroix, S. 4—59187, 4—59229
Parent, P.A. Signal cable wiring that simplifies diagnosing cable problems 4—41623
Paresce, F. *see* Firmani, C. 4—46778
Parey, J.Y. *see* Anderson, L. 4—55989
Parfen'ev, R.V. *see* Kamenev, Yu.E. 4—59314
Parfenov, A.V. *see* Belenov, E.M. 4—30471
Parfenov, A.V. *see* Vasiliev, A.A. 4—42427
Parfenov, V.P. *see* Apanovich, A.A. 4—40096
Parfenov, Yu.L. *see* Vasil'ev, I.A. 4—55982
Parfitt, G.D. *see* Hartley, P.A. 4—33551
Parfitt, H.T., Robertson, D.S., Wilson, A.R. The preparation of indium phosphide layers by chloride-hydride reactions 4—50820
Paria, M.K., Maiti, H.S. Electrical conduction in barium titanate 4—51803
Pariaud, J.C. *see* Mauger, R. 4—57308
Pariiskii, Yu.N. *see* Golosova, S.Ya. 4—32886
Parikh, M., Kaempf, U. SMIF: a technology for wafer cassette transfer in VLSI manufacturing 4—58982
Parini, C.G. *see* Clarricoats, P.J.B. 4—42970
Paripas, B. *see* Somogyi, G. 4—56216
Parish, A.R., Middleton, P.M. The consultant's role in project management 4—50476
Parisi, J., Huebener, R.P. A superconducting vortex-memory system 4—37061
Parisi, S.J. Beam-lead quads play a microstrip medley 4—41580
Paritskii, L.G. *see* Asnina, Zh.S. 4—51767
Parizek, P. *see* Khovanets, Ya. 4—32471
Park, E.D. *see* Pollock, W.H. 4—49750
Park, G.L. *see* Schlueter, R.A. 4—45383
Park, H. High gain, cross-coupled sense amplifier 4—35653
Park, H., Luhmann, N.C., Jr., Peebles, W.A., Taylor, R.J. Ion Bernstein wave studies on Microtor 4—39299
Park, H.K., Sachitano, J., Eiden, G., Lane, E., Yamaguchi, T. Mo/Ti bilayer metallization for a self-aligned $TiSi_2$ process 4—46970
Park, H.K. *see* Yamaguchi, T. 4—36877
Park, H.S. *see* Jones, T.W. 4—55811
Park, J.G. *see* Guy, C.N. 4—37067
Park, J.N. *see* King, R.D. 4—40566
Park, J.N. *see* Ushida, N. 4—56030

Park, K.H., Macchi, O. An echo canceller with reduced arithmetic precision 4—54483
Park, K.S., Kim, S.S. Graphic comparison of three-state device redundancies 4—46013
Park, M.H., Sul, S.K. Microprocessor-based optimal-efficiency drive of an induction motor 4—40241
Park, R.L. *see* Williams, E.D. 4—46754
Park, S., Aggarwal, J.K. A simple form synthesis of linear time-variant digital filter via spectral decomposition of its impulse response 4—58461
Park, S.H. Synthesis of generalized impulse response 4—41507
Park, S.K. *see* Huck, F.O. 4—60168
Park, S.V., Arfin, B., Parker, R.K., Granatstein, V.L., Hirshfield, J.L. A gyrotron-backward-wave-amplifier experiment 4—41767
Park, S.Y. *see* Granatstein, V.L. 4—36187
Park, S.Y. *see* Hargreaves, T.A. 4—36202
Park, Y.J. *see* Nayon, D.H. 4—36515
Park, Y.K., Giuliani, G., Byer, R.L. Single axial mode operation of a *Q*-switched Nd:YAG oscillator by injection seeding 4—31354
Park, Y.M., Lee, K.Y. Optimal decentralized load frequency control 4—62059
Park, Y.M., Lee, K.Y., Youn, L.T.O. Optimization technique for long-term generation expansion planning using the maximum principle and the Gaussian distribution function 4—56434
Park, Y.M. *see* Lee, K.Y. 4—45014, 4—56435
Park, Y.S. *see* Yee, C.M.L. 4—46937
Park, Y.W. A new fabrication process for a tubular LiAl/FeS cell battery 4—40415
Park Byung Kwan *see* Byung Kwan Park
Park Han Kyu *see* Han Kyu Park
Park Joon Yeal *see* Joon Yeal Park
Park Kyu Tae *see* Kyu Tae Park
Parker, A., Alexander, S.T., Trussell, H.J. Low bit rate speech enhancement using a new method of multiple impulse excitation 4—53487
Parker, A. *see* Dervos, D. 4—29814
Parker, A. *see* Knapp, D. 4—36778
Parker, A.A. *see* Rust, R.D. 4—41710
Parker, C.D. *see* Sollner, T.C.L.G. 4—36325
Parker, D., Maurer, H.A. The era of active RF missiles 4—48508
Parker, D.E. *see* Luxon, J.T. 4—53044
Parker, D.G. *see* Barnard, J.A. 4—59301
Parker, D.L., Lin, F.-Y., Zhang, D.-K. Laser polysilicon link making 4—59009
Parker, D.L. *see* Crowley, R.I. 4—36168
Parker, D.W., Annegarn, M.J.J.C. Motion adaptive PAL processing 4—43477
Parker, E.B. Telecommunications and national economic development 4—54000
Parker, E.H.C. *see* Kubiak, R.A.A. 4—35472
Parker, F.J. The design of generators for use in mini-hydro applications 4—34477
Parker, G.A. *see* Gilby, J.H. 4—55688
Parker, H. *see* Taggart, D. 4—33609
Parker, J.B. Cable and conduit sealing requirements in fire rated barriers 4—62198
Parker, J.C., Jr. A useful model for evaluating maximum cable radiation 4—59847
Parker, J.E. *see* Green, W.L. 4—62443
Parker, J.L. *see* Misherghi, A.H. 4—48297
Parker, J.M. *see* France, P.W. 4—47253
Parker, J.V. *see* Fox, W.E. 4—42787
Parker, J.V. *see* Peterson, D.R. 4—42788
Parker, K. *see* Ferrier, R.P. 4—42265
Parker, M.A. A range of combined error correction and recording channel code schemes 4—44290
Parker, M.R. *see* Taggart, D.P. 4—39380
Parker, N.V. Motors and controls 4—57392
Parker, N.W. History of usage of active devices in radio and television receivers (1962 to present) 4—54983
Parker, P. Central's new East Midlands Television Centre 4—44202
Parker, P. Angenieux—specialists in high technology 4—61031
Parker, P.A. *see* Berube, J.L. 4—44758
Parker, P.A. *see* Evans, H.B. 4—33876
Parker, P.L., Anderson, R.K., Winters, J.K., Scalan, R.S. Stable isotopes as tracers in ocean sciences 4—61944
Parker, R. Power and logic devices are merging on the same chip 4—58944
Parker, R.K. *see* Ganguly, A.K. 4—36226, 4—37274, 4—59380
Parker, R.K. *see* Jackson, R.H. 4—37275
Parker, R.K. *see* Park, S.V. 4—41767
Parker, R.R. *see* Fisher, W.A. 4—33759
Parker, R.W. A mixed distributed/parallel processing experiment for real-time radar control 4—54862
Parker, S.R., Kayran, A.H. Lattice parameter autoregressive modeling of two-dimensional fields 4—37997
Parker, S.R. *see* Kayran, A.H. 4—53682
Parker, S.R. *see* Lim, Y.C. 4—51436
Parker, T.E. Very long period random frequency fluctuations in SAW oscillators 4—30931
Parker, T.E. Random and systematic contributions to long term frequency stability in SAW oscillators 4—52425
Parker, T.E. *see* Chao, H.L. 4—36933
Parker, W. *see* Schumann, R. 4—51388
Parker-Jenkins, W. Lighting for video display terminals 4—57529
Parkes, D.A.C. *see* Dobson, B. 4—55772
Parkesov, V.G. *see* Dudnik, M.Z. 4—34671
Parkhomenko, Yu.N. *see* Kravchenko, V.I. 4—42601
Parkhurst, M.A. *see* Brackenbush, L.W. 4—55921
Parkin, G.I. *see* Chorley, B.J. 4—38329
Parkin, L.G. An HF tune-up aid 4—38488
Parkinson, D., Fox, T., Relf, R. Digital control loading system for flight simulators 4—33928
Parkinson, J. Expanding in the hazardous market 4—40783
Parkinson, J. Installing and protecting electrical services in refurbished property 4—57782
Parkman, N. Scientific consultancy 4—50402
Parks, C. IGES update 4—51614
Parks, H.M. Molded circuit board restraint 4—45982
Parks, J.H. Rare gas and mercury halide lasers 4—37328
Parks, J.H. *see* Mandl, A. 4—42528
Parks, T. Bus bars for PCB applications keyed to design, performance 4—58628
Parks, T.W., McClellan, J.H., Morris, C.F. Algorithms for full-waveform sonic logging 4—37991
Parks, T.W. *see* Boudreaux-Bartels, G.F. 4—53758
Parks, T.W. *see* Scheibner, D.J. 4—53762
Parlett, B.N., Wu, W.-D. Eigenvector matrices of symmetric tridiagonals 4—46066
Parlow, R.D. Domestic satellite systems of the United States of America 4—60789
Parmesano, H.S., Martin, C.S. The evolution in US electric utility rate design 4—34054
Parmigiani, C. Instruments for measuring dynamic phenomena 4—61294
Parmigiani, C. Autograph system for the recording and acquisition of data 4—61422
Parmigiani, F. *see* Malvezzi, A.M. 4—31181
Parmlind, O. *see* Hazony, D. 4—39293
Parmon, W. *see* Damaskos, N.J. 4—42833
Parn, A. *see* Fann, S.S. 4—60566
Parneix, J.P. *see* El Kadiri, M. 4—61502
Parodi, R. *see* Fernandes, P. 4—31555, 4—39383, 4—59179
Parol', N.V., Rozinskii, L.S., Savchenkov, A.G. Thermocathode current stabilizer 4—50957
Paroli, P. Magneto-optical devices based on garnet films 4—42432
Paroli, P. *see* D'Amico, A. 4—39180
Paros, J.M. *see* EerNisse, E.P. 4—30897
Parpia, Z., Salama, C.A.T., Salter, G.C., Cole, W.A. Micropower monolithic filters using bipolar/JFET technology 4—30000
Parpia, Z., Salama, C.A.T., Salter, G.C., Cole, W.A. Micropower monolithic filters using bipolar/JFET technology 4—35944
Parr, A.C., Southworth, S.H., Dehmer, J.L., Holland, D.M.P. High resolution angle-resolved photoelectron spectrometer system 4—55993
Parr, E.A. Logic designer's handbook 4—40693
Parr, S. *see* Grant, J. 4—55093
Parrachione, D. *see* Fischer, R. 4—52101
Parrelli, A.P. *see* Chipley, K.K. 4—59178
Parrens, P. *see* Buiguez, F. 4—36663
Parrens, P. *see* Lazzari, J.P. 4—36383
Parrett, G. Using Britain's DBS satellite system for business communications 4—44057
Parrett, G.E. TV programme distribution by UNISAT 4—48560
Parriaux, O. *see* Bernoux, F. 4—52549
Parrillo, L.C. VLSI process integration 4—42148
Parrillo, L.C. *see* Agraz-Guerena, J. 4—36917
Parris, A. *see* Owen, D. 4—42764
Parris, M., May, P.L., Usselmann, E., Daser, W., Dietz, K.J. Vacuum measurement and control for the Joint European Torus (JET) project 4—49038
Parrott, M. Biarritz: fibre showcase [optical communication network] 4—48477
Parry, G. *see* Miller, A. 4—53066
Parry, J. Optimism for cable in Europe grows 4—38843
Parsey, J.M. *see* Capasso, F. 4—42478
Parsey, J.M., Jr. *see* Lagowski, J. 4—46808
Parshad, R. *see* Govil, A.K. 4—51868
Parshin, G.D. *see* Muchnik, M.L. 4—31434
Parshin, G.D. *see* Zubov, V.V. 4—31330
Parshkov, V.G. *see* Boldyrevskii, P.B. 4—41967
Parsiegla, V. A contribution to computer-aided technology simulation. I 4—47104
Parsonnet, V. *see* Craelius, W. 4—56134
Parsons, C.L., Huang, N.E. A study of the influence of non-linear wind-wave-growth processes on scatterometry 4—56321
Parsons, C.L. *see* Huang, N.E. 4—49476
Parsons, C.L. *see* Miller, L.S. 4—54874
Parsons, J. *see* Blauvelt, H. 4—54805, 4—55455
Parsons, J.D. An impulsive noise simulator for the laboratory testing of radio communication systems 4—60666
Parsons, N.J. Integrated optical components for phased arrays 4—60855
Parsons, R.L. *see* Diodato, P.W. 4—35824
Partain, C.L. *see* Austin, J.D. 4—61782
Partain, L.D. *see* Fraas, L.M. 4—50076
Partain, L.D. *see* McLeod, P.S. 4—59304
Partha, R. *see* Srivatsa, K. 4—33347
Parthasarathy, G., Bandyopadhyay, A.K., Asokan, S., Gopal, E.S.R. Effect of pressure on the electrical resistivity of bulk $Ge_{20}Te_{80}$ glass 4—51741
Parthasarathy, G., Bandyopadhyay, A.K., Asokan, S., Gopal, E.S.R. Electrical transport and high pressure studies on bulk $Ge_{20}Te_{80}$ glass 4—58744
Parthasarathy, G., Gopal, E.S.R. Electronic conduction in bulk $Se_{1-x}Te_x$ glasses at high pressures and at low temperatures 4—58738
Parthasarathy, G. *see* Prasad, M.V.N. 4—58745
Parthasarathy, K. *see* Fakruddin, D.B. 4—62232
Parthasarathy, K. *see* Premakumaran, N. 4—49525, 4—49526
Parthasarathy, K. *see* Thukarma, D. 4—45015
Parthasarathy, R., Jayasimha, K.N. Bilinear transformation by synthetic division 4—46075
Parthasarathy, R. *see* Colby, R.J. 4—38514
Parthier, L. *see* Gille, P. 4—50736
Partin, D.L. Lead-europium-selenide-telluride grown by molecular beam epitaxy 4—41056
Partin, D.L. Heterojunction stripe geometry lead salt diode lasers grown by molecular beam epitaxy 4—59502
Partin, D.L., Thrush, C.M. Wavelength coverage of lead-europium-selenide-telluride diode lasers 4—59492
Partin, D.L. *see* Lo, W. 4—53008, 4—59499
Partl, J., Rohlena, Z. Guarantee measurements of turbine-generating sets at Abu Dhabi, United Arab Emirates 4—45310
Partlow, D.P. *see* Yoldas, B.E. 4—37185
Partom, Y. *see* Rosenberg, Z. 4—61574
Partridge, M.J. *see* Denney, R.O. 4—44869
Partridge, S.L. *see* Oldham, H.E. 4—52304
Paruszewska, W. *see* Rotkiewicz, P. 4—58486
Parvez, M. *see* Sarma, Y.V.S. 4—57879
Parvez, Z. Laser nephelometry: development, clinical application, and future prospects 4—44734
Parvi, S. Thin-film digital magnetic heads for disk and tape stores 4—30982
Parvin, B.A., Hickman, R.J., Yin, B.H., Holben, R.D. A binary tree classifier for ship targets 4—53830
Parvin, B.A. *see* Bhanu, B. 4—53864
Parygin, V.N., Suslov, A.M. Electron-beam-controlled spatial and temporal modulator of light made of $Bi_{12}SiO_{20}$ 4—31187
Parygin, V.N. *see* Dianova, V.A. 4—51716
Parykin, V.S. *see* Vysotskii, S.P. 4—40675, 4—57670
Parzen, E. Time series long memory identification and quantile spectral analysis 4—37963
Pascale, O.De *see* De Pascale, O.
Pascault, J.P. *see* Laleg, M. 4—58067
Paschen, K.W. *see* Hai, F. 4—36228
Pascher, H. Optical four-wave mixing in epitaxial narrow-gap semiconductor films 4—47504
Paschoa, A.S., Mafra, O.Y., Cardoso, D.O., Rocha, A.C.S. Application of SSNTD to the Brazilian phosphate fertilizer industry to determine uranium concentrations 4—56220
Pasciak, J.E. *see* Bramble, J.H. 4—31591
Pascoe, R.S.V. *see* Fidge, C.J. 4—47943
Pascoletti, A., Serafini, P. Scalarizing vector optimization problems 4—29377
Pascu, M. *see* Dumitrica, A. 4—42384
Paseka, J. *see* Dusek, Z. 4—30128
Pasemann, L. Theoretical study of the temperature dependence of EBIC contrast from individual, surface-parallel dislocations in a Schottky diode 4—52056
Pasgaard, P. *see* Larson, C. 4—54477
Pashaev, A.M., Adzhalov, A.R., Aslanov, T.A. Parameter stabilization of metal semiconductor contacts in the annealing process 4—51869
Pashchenko, V.P., Andreev, A.Ya., Mikharskii, S.N., Nesterov, A.M., Ganin, V.V., Pimkin, A.Ya. Powder particle-size distribution and heterogeneity of hot-pressed manganese-zinc ferrites 4—29543
Pashev, G.P. *see* Belykh, V.N. 4—47868
Pashev, G.P. *see* Logachev, V.A. 4—55710
Pashevich, V.I. *see* Mamet, A.P. 4—39997
Pashinin, P.P. *see* Gavrilov, N.I. 4—31439
Pashinin, P.P. *see* Zharikov, E.V. 4—31364
Pashinkin, A.S., Malkova, A.S., Fedorov, V.A., Rodionov, A.V., Sveshnikov, Yu.N. Description of GaAs precipitation in the chloride and chloride-hydride processes by partial pressure diagrams 4—29449
Pashkeev, S.D., Monin, A.A. Techniques for simulation of information transmission and processing systems 4—43493
Pashkevich, A.P., Nemogai, N.N., Furman, F.V. Analysing the accuracy of digital tachometers with incremental displacement transducers 4—61209
Pashkevich, V.I. *see* Antipov, V.N. 4—40271
Pashkevich, V.I. *see* Davidchuk, G.A. 4—49902
Pashkevich, V.I. *see* Meshchenina, M.P. 4—45453
Pashkevich, V.I. *see* Metskenina, M.P. 4—57070
Pashko, S.A. *see* Borodulin, V.I. 4—59545
Pashkov, V.A. *see* Zharikov, E.V. 4—42603
Pashley, R. *see* Kokkonen, K. 4—42153
Pashun, A.D. *see* Anishchenko, V.A. 4—30381
Pashun, A.D. *see* Astakhov, V.N. 4—33724

Pasian, F. *see* Crise, A. 4—44919
Pasichnyk, O.V. *see* Lakhotskii, T.V. 4—62790
Pasinski, M. *see* Kamler, J. 4—44216
Pask, C. *see* Ankiewicz, A. 4—31097
Paskhin, V.M. *see* Gurevich, G.L. 4—46552
Paski, R.M. *see* Ross, D.G. 4—54778
Pasmanik, G.A. *see* Bespalov, V.I. 4—31421
Pasnicu, C., Istrate, S., Luca, E., Vartolomei, L. Ferrimagnetic materials used in magnetic flux concentrators 4—31023
Pasour, J.A., Lucey, R. Free electron laser experiments using a long pulse induction linac 4—31285
Pasour, J.A., Lucey, R.F., Kapetanakos, C.A. Long-pulse, high-current free electron laser with no external focusing 4—37270
Pasour, J.A., Lucey, R.F., Roberson, C.W. Long pulse free electron laser driven by a linear induction accelerator 4—47391
Pasour, J.A. *see* Mako, F. 4—39301
Pasqualucci, F. Drop size distribution measurements in convective storms with a vertically pointing 35-GHz Doppler radar 4—49467
Pasqualucci, F. The use of pseudonoise phase modulation in meteorological Doppler radars 4—49474
Pasqualucci, F. *see* Kropfli, R.A. 4—49463
Pasqualucci, F. *see* Moninger, W.R. 4—49464
Pasquarelli, A. *see* Minetti, B. 4—49048
Pasquet, D. Waveguide continuous modes in slab and cylindrical FIR laser 4—47393
Pasquet, D., Gautier, J.L., Pouvil, P. Electromagnetic behaviour of a FIR waveguide laser 4—42675
Pasquet, D., Gautier, J.L., Pouvil, P. Electromagnetic behavior of a FIR waveguide laser 4—47480
Pasquet, D., Gautier, J.-L., Pouvil, P. Oscillation conditions of a FIR waveguide laser 4—59372
Pasquini, F. *see* Cantello, M. 4—31548
Passamante, A., Hediger, T. Signal detection using the Karhunen-Loeve transform 4—37981
Passi, G.S. *see* Gurvich, A.K. 4—58085
Passias, D., Kallback, B. Shading effects in rows of solar cell panels 4—40453
Passoja, A., Tikkanen, P., Krasznahorkay, A., Gacsi, Z., Kibedi, T., Fenyes, T. Adaptation of a superconducting-solenoid-transporter Si(Li)-Si(Li) spectrometer for in-beam studies of internal-pair transitions 4—55992
Passokhin, A.A., Sitnikov, V.S., Gvozdeva, I.M. Microprocessor data processing block for adaptive analogue-digital converter for tracking balancing 4—46523
Passon, G.L. Object models simplify and speed system design 4—60485
Passow, R.H. *see* Preckshot, N.E. 4—30765, 4—36830
Passoz, G.de *see* de Passoz, G.
Pasternak, V.B., Budenkov, B.A. Multichannel device for inspecting large objects by the method of acoustic emission 4—58086
Pastor, G.J. Innovative transit systems in North America 4—34999
Pastore, F. *see* Conta, C. 4—56031
Pastori, W.E. Image and second-stage corrections resolve noise figure measurement confusion 4—39305
Pastori, W.E. The impact of microprocessor technology on receiver/amplifier noise measurement 4—44422
Pastori, W.E. Error possibilities in noise factor measurements can be avoided by corrections eliminating the influence of image frequency and the measuring equipment itself 4—55663
Pastrnak, J., Karel, F., Burger, A. The influence of impurities and additional illumination on the photoconductivity of semiinsulating GaAs in exciton region 4—31209
Pastukhov, N.N. *see* Kuroedov, V.A. 4—45700
Pastukhov, V.V. *see* Zhulovyan, V.V. 4—40254
Pasupathy, S. *see* Grami, A. 4—31987
Pasupathy, S. *see* Krolik, J. 4—60063
Pasupathy, S. *see* Moreno, F.M. 4—31878
Pasupathy, S. *see* Zervos, N.A. 4—31822
Pasyuk, E.A. *see* Gaisak, I.I. 4—49073
Paszek, W., Pawelec, Z. The equivalent circuit for transients of the induction machine with wedge shaped deep bar rotor 4—45431
Paszkiewicz, M. *see* Mlynarek, G. 4—34836
Pasztor, E. *see* Hemment, P.L.F. 4—36446
Pasztor, G., Erlaky, G., Hahn, E. Semiconductor optoelectronic sensors 4—48873
Patangia, H.C., Zenone, B. A method of eliminating unwanted passbands in a switched-capacitor N-path filter 4—41508
Patch, D.R. *see* Lynnworth, L.C. 4—49485
Patch, L., Comstock, J.M., Thio, Y.C., Young, F.J. Railgun barrel design and analysis 4—42814
Pate, B.B. *see* Bachrach, R.Z. 4—56044
Pate, J.B. Potential measurement errors due to mutual coupling between dipole antennas and radio frequency absorbing material in close proximity 4—59780
Patecki, A. *see* Szymanski, G. 4—39894
Patel, A.B., Wojciekfsky, E. Mounting of mask with pellicle 4—36403
Patel, A.B. *see* Deitz, J.H. 4—55409
Patel, A.P. A high temperature solar energy conversion device using optical waveguides 4—57355
Patel, B. *see* Patel, S.M. 4—58041
Patel, B.R. *see* Sam, R.G. 4—62466
Patel, C.K.N. Lasers—their development and applications at AT&T Bell Laboratories 4—52848
Patel, D.C. Novel design of the output stage for four-phase dynamic VLSI logic 4—52300
Patel, H.K., Dubey, G.K. Reactive power compensation by thyristor-switched capacitors 4—57376
Patel, M.R. *see* Raghava, R.S. 4—35517
Patel, M.R., Sr. *see* Ahmed, M.E. 4—56960
Patel, N.G. *see* Patel, S.M. 4—36278
Patel, S.M., Patel, B. Growth of $AgInTe_2$ thin films 4—58041
Patel, S.M., Patel, N.G. Switching mechanism in ZnTe films 4—36278
Patel, S.N., Inal, O.T. Optimization and microstructural analysis of black-zinc-coated aluminum solar collector coatings 4—34945
Patella, F. *see* Evangelisti, F. 4—30399
Patella, F. *see* Fortunato, G. 4—36338
Patella, F. *see* Margaritondo, G. 4—46845
Paterson, J.A. *see* Matuk, C.A. 4—61667
Pathak, K.S. *see* Maheshwari, R.C. 4—42471
Pathak, L., Seshadri, V.R. Modified automatic echo selection logic for ultrasound attenuation measurement system 4—56343
Patil, P.B., Bates, B. Improving energy utilization in an electric vehicle powertrain 4—40568
Patil, P.B., Nehate, L.D. Integral transform for isosceles right triangular region with interior constraint and TM wave propagation 4—59830
Patil, V.L. Control frequency, duty cycle independently [in microprocessor-based digital systems] 4—46530
Patkar, R.V., Misra, S.N., Kulkarni, R.P. Fabrication of RF ion sources 4—33627
Patnaik, B. *see* Moreau, W.M. 4—30537
Patnaik, L.M., Gadkari, B.A., Ramakrishnan, L. Implementation of placement and routing algorithms for computer aided design of printed circuit boards 4—30172
Patnaik, L.M. *see* Gopalakrishnan, M. 4—60494
Patney, R.K. *see* Gopinathan, E. 4—53621
Paton, A.A. *see* Fleischer, C.C. 4—34353
Patoux, A. *see* Brand, C. 4—33639
Patranabis, D., Ghosh, D.K. Design of true practical integrators with extendable time constants 4—30055
Patranabis, D., Ghosh, D.K. Integrators and differentiators with current conveyors 4—46590
Patriciu, A. *see* Zaharescu, A. 4—33125
Patrick, D. Switchgear 4—45558
Patrick, G.B. *see* Hendricks, J.R. 4—35295
Patrick, J.F. *see* Clark, G.M. 4—61816
Patrick, P.J. *see* Evci, C.C. 4—53556
Patrikalakis, N.M. *see* Chryssostomidis, C. 4—61986
Patro, A.P. *see* Roy, R. 4—33614
Patrushev, G.Ya., Petrov, A.I., Pokasov, V.V. Intensity fluctuations upon specular reflection of optical beams in a turbulent atmosphere 4—37595
Patrusky, B. *see* Salerno, J.J., Jr. 4—32593
Patsakos, G., Davis, L.W. An unguided wave Cerenkov amplifier 4—59715
Pats'ora, S.K. *see* Nazarenko, O.K. 4—45785
Pattabiraman, R. *see* Arul Raj, I. 4—34871
Pattanayak, D.N. *see* Williams, R.A. 4—36526
Patten, J. Viewdata—a background 4—54177
Patteri, P. *see* Biagini, M. 4—47384
Patterson, D. Electronic documents and copyright 4—35216
Patterson, D. Write protect 8-in. disk drives 4—52455
Patterson, D.A. VLSI systems building: a Berkeley perspective 4—42134
Patterson, D.A. *see* Sherburne, R.W., Jr. 4—51300
Patterson, D.R. *see* Channin, D.J. 4—54816
Patterson, F.R., Gorman, L.K., Wetzel, M.C. Advantages of a simple contact switch for human locomotion 4—39507
Patterson, G. *see* Tan, T.S. 4—30649
Patterson, G.W. Modern-eyes the S-meter [radio] 4—48567
Patterson, J. *see* Galloway, T.R. 4—35092
Patterson, K. Good-bye silicon, hello superchip [TEGFET chips] 4—42151
Patterson, M.S., Karaylianis, N.E., Geiger, T.F., Casseday, M.W., Berg, N.J. Chirp Z-transform filter 4—52415
Patterson, P.L. Error correction performance of block codes in binary, burst communication systems 4—31882
Patterson, R.E., Mesch, H.G. Welding interconnects to 50-μm silicon solar cells 4—40467
Patterson, T.J., Chabries, D.M., George, K., Argyle, D.B., Christiansen, R.W. Orbital mosaic IR image simulation and processing 4—55249
Patterson, W.A. *see* Fink, J.L. 4—49972
Pattini, F. *see* Accatino, L. 4—32630, 4—32779
Pattini, F. *see* Amadesi, P. 4—32631, 4—32667
Pattipati, K.R., Kastner, M.P. Iterative queueing network techniques for the analysis of large maintenance facilities 4—49424
Patton, A.D. *see* Singh, C. 4—56541, 4—62080
Patton, C. *see* Kalter, H. 4—30799
Patton, R. *see* Forman, A.V., Jr. 4—53826
Patton, V.V.C. Space Shuttle infrared pyrometry 4—48771
Pattuelli, E.G., Cote, R.E. The processability and reliability of large area, multilayer interconnect systems using base metal thick film compositions 4—36162
Patyk, A. Complex transformation of equations of three-phase shunt commutator motor supplied from the rotor side 4—49829
Patz, R., Ratzsch, M.T. Kerr constants of liquid systems. VII. Calculations of temperature dependence of Kerr constants of polar liquids 4—42718
Patzak, E. *see* Meissner, P. 4—47468, 4—59536
Patzak, E. *see* Yevick, D. 4—53021
Patzelt, M. Event for short runs, bare printed circuit testing is economic 4—41682
Pau, L.F., Toghrai, C., Chen, C.H. Multivariate sampling plans in quality control: a numerical example 4—50556
Pau, P.-Y., Haccoun, D. Sequential decoding with ARQ 4—37873
Paukert, J. Derivation of protective motor characteristics from the laws of winding insulation ageing 4—56911
Paul, A.C., Sessler, A.M., Wurtele, J.S., Caporaso, G.J., Cole, A.G. A variable emittance filter for the electron laser facility 4—47487
Paul, A.C. *see* Orzechowski, T.J. 4—47368
Paul, C.R. A simple technique for estimating crosstalk 4—38208
Paul, C.R., Beech, W.E. Prediction of crosstalk in flatpack, coaxial cables 4—59782
Paul, C.R., Bush, D.R. Bounds on currents induced in transmission lines by incident fields 4—59714
Paul, C.R. *see* Leon, B.J. 4—57732
Paul, D. *see* Holdsworth, D. 4—55991
Paul, D.I. *see* Ozimek, E.J. 4—30961
Paul, D.K., Greene, K.H., Koepf, G.A. Undersea fiber-optic cable communications system of the future: operational, reliability, and systems considerations 4—54815
Paul, E. *see* Ward, R. 4—50518
Paul, G.R. Image data synchronization techniques in rotating polygon scanners 4—31947
Paul, J.E. A unified approach to custom and semicustom VLSI design 4—51086
Paul, P. *see* Le Mouel, B. 4—54739
Paul, R.J.A., Fleming, P.J., Elsamahy, A.M. Two-mode (closed loop/open loop) and adaptive microprocessor control of a hybrid stepping motor 4—57095
Paul, R.J.A. *see* Williams, J.T. 4—31614
Paul, W. *see* Ellis, F.B., Jr. 4—51751
Paulauskas, M.A. *see* Bloznyalis, M.Yu. 4—34182
Paulet, M.Crastes de *see* Crastes de Paulet, M.
Pauli, R. *see* Delaunay, M. 4—61649
Paulig, E. *see* Bunzel, E. 4—56924
Paulig, E. *see* Schonfeld, R. 4—36696
Paulin, J., Richard, J.C., Boutot, J.P., Jatteau, M. A diode intensifier tube designed for scintillation detection 4—39451
Paulmann, R.-D. District heating compact stations—development status and market survey 4—56806
Paulot, C. *see* Dudelzak, B. 4—55821
Pauls, H. *see* Farber, L. 4—62157
Paulson, C.K., Iacovino, J.M. LWR availability trends and programs 4—49704
Paulson, C.K. *see* George, R.A. 4—49685
Paulson, D.V. *see* Carfagno, S.P. 4—56467
Paulson, R., Decker, H., Hodor, J., Barney, J., Schapp, T. Infrared imaging techniques to determine the bond integrity in high density lap soldered printed circuit boards 4—58615
Paulson, W.M. *see* Wilson, S.R. 4—51750, 4—58715
Paulter, N.G. *see* Hammond, R.B. 4—52763, 4—59302, 4—59334
Paulukat, F. Cut-clamp-connections in telecommunications 4—32617
Paulus, P., Wedding, B., Gasch, A., Jager, D. Bistability and solitons observed in a nonlinear ring resonator 4—37453
Paulus, T.J. *see* Britton, C.L. 4—39503
Paulusz, M. Tracking and erosion resistance of HV composite insulators 4—62222
Pauporte, A., Thery, P. Timing optimization at LSSD design boundary 4—41307
Pauw, P.De *see* De Pauw, P.
Pauwels, H. *see* Vandendriessche, L. 4—40443
Pav, J. PDCT 340 mobile source of electric power 4—56896
Pavani, A.M.B. *see* Alvahydo, M.E. 4—35977
Pavel, J. AC telegraph signal demodulation by means of pulse method 4—43080
Pavel, J. Analysis of cross-over networks on the TI-58/59 4—58118
Pavelescu, C., Cobianu, C., Segal, E. Etching kinetics of the low temperature chemically vapour deposited SiO_2 films 4—52004
Pavel'ev, V.G. *see* Malygin, S.A. 4—42910
Pavelica, M. Optimating operating modes with closed baffles of condensing turbines with heat and industrial steam bleeding 4—45302

Pavel'yev, A.G. Double scattering by a randomly irregular surface 4—31649
Pavert, C.A.P.W.van de *see* van de Pavert, C.A.P.W.
Pavic, A. Earthing resistance measurement by compensation method 4—39923
Pavin, N.Ya. *see* Kasatkin, B.A. 4—56355
Pavio, A.M., Jr. *see* Peterson, D.L. 4—36595
Pavio, J.S. *see* Green, R.L. 4—58656
Pavlasek, T.J.F. *see* Ding, L. 4—37193
Pavlenko, Yu.F., Shpan'on, P.A., Slavinskii, S.I. Use of modulated radio signals to check spectrum analyzers 4—55328
Pavlenko, Yu.G. Canonical transformation method in classical electrodynamics 4—37572
Pavlicek, W., MacIntyre, W., Go, R., O'Donnell, J., Feiglin, D. Special architectural considerations in designing a magnetic resonance (MR) facility 4—61847
Pavlicek, W., Meaney, T.F. Performance specifications of a 0.15 tesla medical magnetic resonance unit 4—49159
Pavlicek, W., Meaney, T.F., Cutting, M., Budish, I.I. Architectural considerations in a medical magnetic resonance imaging facility 4—49160
Pavlicevic, M. Applying the method of finite elements to computing unsteady temperature field in the rotor of a squirrel-cage motor 4—57018
Pavlik, P. Computer analysis of bridged mechanical filters 4—58440
Pavlikov, S.A. *see* Metelitsa, Ya.V. 4—56685
Pavlikov, V.S. *see* Fokin, Yu.A. 4—56408
Pavlishin, S.P. *see* Akhromenko, Yu.G. 4—36276, 4—58007
Pavlov, A.N. *see* Raevskii, I.P. 4—58763
Pavlov, A.V. *see* Semenov, G.B. 4—59645
Pavlov, I.F. *see* Sinel'nikov, V.Ya. 4—62169
Pavlov, J.J. *see* Anisimov, V.I. 4—44412
Pavlov, L.I. *see* Dimov, S.S. 4—47442
Pavlov, N.N. *see* Koyen, M.A. 4—59743
Pavlov, P.A. *see* Dolbilov, A.S. 4—31322
Pavlov, V.A. *see* Dubnischev, Yu.N. 4—37505
Pavlova, N.V., Kondakova, Z.V. Accuracy estimation for the triangulation method of coordinate determination 4—55683
Pavlovic, P. Microelectronics is series production 4—36148
Pavlovic, V.D. Direct synthesis of filter transfer functions 4—51403
Pavlovskii, A.I. *see* Amelichkin, V.N. 4—33868
Pavlovskii, E.P. *see* Smagin, V.N. 4—40109
Pavlyuchenko, L.N. *see* Gogitidze, N.Z. 4—58724
Pavlyuk, M.F. *see* Freik, D.M. 4—29527
Pavlyuk, V.A., Rybalko, A.M. A method of array phase synthesis 4—47669
Pavoni, G. *see* Angeleri, E. 4—38171
Pavusek, V. *see* Ban, D. 4—57017
Pawar, S.H., Tamhankar, S.P., Lokhande, C.D. Deposition of Bi_2CdS_4 films by the spray pyrolysis technique 4—41071
Pawar, S.H. *see* Uplane, M.D. 4—41834
Pawelec, Z. *see* Paszek, W. 4—45431
Pawlak, Z. *see* Orlowska, E. 4—37800
Pawlewicz, W.T., Martin, P.M. Improved Si-based coating materials for high power infrared lasers 4—42326
Pawlicki, H. *see* Bulski, J. 4—43668
Pawlik, M. Profiling techniques in silicon materials and devices, using spreading resistance 4—36465
Pawlikowski, J.M. *see* Scharoch, P. 4—31212
Pawlina, A. Some features of ground rain patterns measured by radar in north Italy 4—53217
Pawlowski, A. *see* Milewski, A. 4—61507
Pawlowski, M., Wozniak, A. PROG-2—the universal PROM programmer 4—58327
Pawlowski, M., Wozniak, A., Zabrodzki, J. Functional testing of EPROMs 4—41350
Pawlowski, P., Polydoros, A. Worst-case jamming for frequency-hopping code acquisition 4—37952
Pawlowski, W. INMARSAT—a satellite maritime system 4—44037
Pawlowski, W. Factors affecting choice of frequency band for satellite radiocommunication 4—44038
Pawula, R.F. Asymptotics and error rate bounds for *M*-ary DPSK 4—31811
Pawula, R.F. Offset DPSK and a comparison of conventional and symmetric DPSK with noise correlation and power imbalance 4—31841
Pawula, R.F. Offset DPSK and a comparison of conventional and symmetric DPSK with noise correlation and power imbalance 4—37822
Pawula, R.F. On *M*-ary DPSK transmission over terrestrial and satellite channels 4—53334
Paxman, D.H., Fisher, C.A. Detailed comparison of experiment and theory of passivation ring structures for power devices 4—36645
Payan-Somet, J. *see* Acha, J.I. 4—41438
Payer, J.H. *see* Williams, D.N. 4—49732
Payette, L.J. Chairman's report—NEMA Magnet Wire Technical Committee activities 4—36103
Payne, B.T. *see* Blissett, J.A. 4—61710
Payne, D.B. Performance and specification of monomode fibre links 4—54841
Payne, D.D. Sensing the position of pneumatic cylinders 4—55426
Payne, D.J. Domestic electrical installations—changing standards and regulations 4—40776
Payne, D.N. Update on polarization-maintaining fibers 4—52607
Payne, D.N. *see* Day, G.W. 4—31193
Payne, D.N. *see* De Fornel, F. 4—37107
Payne, D.N. *see* Gold, M.P. 4—37100
Payne, D.N. *see* Varnham, M.P. 4—52579
Payne, F.H., Egan, G.K., Harrison, H.B. Educating gate array designers 4—57723
Payne, F.P. Field analysis for rectangular optical waveguides 4—47277
Payne, W.F. *see* Sultan, N. 4—38561
Paz, M.B. *see* de la Sen, M. 4—59942
Paz, O., Auret, F.D., White, J.F. Characterization of RF sputter-deposited Ti-W Schottky barrier diodes in boron-doped silicon 4—52053
Paz, O. *see* Auret, F.D. 4—29528, 4—30587
Pazderak, J. High-resolution television advancements 4—61043
Pazderak, J., Kepr, M. Method for measurement and evaluation of colour rendition in a television picture 4—60966
Pazicky, J. *see* Dylik, M. 4—45476
Pazin, A.V., Glushkov, E.D. Electrical conductivity as a function of temperature of glasses in the As-Ge-Se system with a small concentration of Se 4—51801
Pazout, F. Developing small-scale hydro in Czechoslovakia 4—34470
Pchel'nikov, Yu.N. Relationship between the wave impedance and the coupling resistance of slow-wave structures 4—51703
Pcihoda, W.W. *see* Luper, D.C. 4—30748
Peach, N. Control technology. III. AC and DC electric motors and adjustable-speed drives [for plastics industry] 4—40664
Peach, R.C. General diffraction analysis for surface acoustic wave filters 4—52402
Peach, R.C., Emin, C.D.J., Werner, J.F., Doherty, S.P. High coupling piezoelectric resonators using lithium tetraborate 4—52364
Peacock, A. *see* Sims, M.R. 4—39422
Peacock, G.E. Humanizing the man/machine interface 4—43253
Peak, S.C., Oldenkamp, J.L. A study of system losses in a transistorized inverter-induction motor drive system 4—57430
Peak, S.C. *see* Oldenkamp, J.L. 4—57488
Peake, J.W. Decompaction 4—31868
Peal, K.R., Kirk, R.E. An event recording ocean bottom seismograph 4—33971
Pearah, P. *see* Henderson, T. 4—36393
Pearah, P. *see* Masselink, W.T. 4—58767
Pearce, C.W. Crystal growth and wafer preparation 4—41040
Pearce, C.W. Epitaxy 4—41064
Pearce, F. The electronic shout [modems] 4—60331
Pearce, J.A., Ryu, Z.M. Nonlinear processing of quantitative thermographic images 4—55245
Pearce, J.G. *see* Hay, J.L. 4—44823
Peard, K.A. *see* Tobin, R.C. 4—59423
Pearl, R.G. ABC makes the switch to digital [radio networks] 4—44046
Pearlman, D. The case of the redundant linefeed 4—54144
Pearlman, D. The joy of telecomputing 4—54339
Pearlman, W.A., Chekima, A. Source coding bounds using quantizer reproduction levels 4—47756
Pearlman, W.A., Jakatdar, P. The effectiveness and coding of hybrid transform/DPCM interframe image coding 4—53900
Pearlman, W.A. *see* Jakatdar, P. 4—60236
Pearlman, W.A. *see* Mazor, B. 4—43284
Pearmain, A.J. *see* Danikas, M.G. 4—30831, 4—62203
Pearmain, A.J. *see* Rageb, M.H.S.A. 4—42188
Pearman, R.A. Solid state industrial electronics 4—40735
Pearsall, N.M. *see* Coutts, T.J. 4—57347
Pearsall, T.P. Two-dimensional electronic systems for high-speed device applications 4—58887
Pearsall, T.P. *see* Eaves, L. 4—58774
Pearsall, T.P. *(editor)* GaInAsP alloy semiconductors 4—29113
Pearson, A.D., Cohen, L.G., Reed, W.A., Krause, J.T., Sigety, E.A., Dimarcello, F.V., Richardson, A.G. Transmission, splicing, and cabling performance of a dispersion-shifted single-mode fiber 4—52635
Pearson, A.D. *see* Cohen, L.G. 4—59199
Pearson, A.E., Ezzio, L.A. Estimating target acceleration in intercept problems using modal equation errors 4—48516
Pearson, D.E., Whybray, M.W. Transform coding of images using interleaved blocks 4—53904
Pearson, J.F. *see* Fraser, G.W. 4—33664, 4—61678
Pearson, J.F. *see* Whitely, M.J. 4—61679
Pearson, J.T., Green, D.G. Three channel infrared wireless data link 4—60438
Pearson, L.W. A note on the representation of scattered fields as a singularity expansion 4—47579
Pearson, L.W. *see* Donohoe, J.P. 4—53148
Pearson, L.W. *see* Michalski, K.A. 4—47659
Pearson, M.J. *see* Keyte, G.E. 4—43468
Pearson, R.K., Arce, G.R. Median filters as spectral windows 4—41511
Pearson, V.S. 'Quantanews' (QNEWS) broadcast newsroom computer system 4—44252
Pearson, W.R., Sen, P.C. Brushless DC motor propulsion using synchronous motors for transit systems 4—57478
Peart, J.M. *see* Davis, L.M. 4—42586
Pearton, S.J., Haller, E.E., Elliot, A.G. Nitridization of gallium arsenide surfaces: Effects on diode leakage currents 4—30518
Pearton, S.J., Tavendale, A.J., Kahn, J.M., Haller, E.E. Deep level impurities in germanium and silicon: low temperature passivation or removal techniques 4—33707
Pearton, S.J. *see* Palaio, N.P. 4—30512
Pease, R.A. A Fahrenheit temperature sensor 4—55446
Pease, R.A. Build word comparators with three ICs 4—58239
Pease, R.F. *see* Tuckerman, D.B. 4—30717
Pease, R.F.W. *see* Polasko, K.J. 4—36370
Pease, R.F.W. *see* Yau, Y.W. 4—47554
Peaslee, A.T. *see* Krupka, M.C. 4—35017
Peatfield, A.M. *see* Bellamy, N.W. 4—34485
Peatman, W. The first year of user operation at BESSY 4—55799
Pech, J. Selecting and sizing electric clutches and brakes 4—34991
Pechacek, R.E. *see* Dwyer, T.J. 4—31753
Pechenegov, S.M. *see* Gavrilova, L.I. 4—41744
Pechenov, A.N. *see* Obidin, A.Z. 4—31366
Pecherskii, O.P. *see* Beruchev, N.G. 4—61603
Pecherskii, O.P. *see* Vecherkovskii, V.V. 4—49998
Pechkurov, V.A. *see* Gaisak, I.I. 4—49073
Pechuk, D.V. A method of synthesizing simple adaptive filters 4—60040
Peck, D.D. *see* Sollner, T.C.L.G. 4—36325
Peck, M., Adams, S., Glenn, S., McGhee, S., Reed, B., Wallace, C., Prelas, M., Juhala, R. Preliminary design of a large bore superconducting mirror device 4—31087
Peck, M., Reed, B., Prelas, M., Meyer, W. Performance test of two 21.5 inch bore superconducting magnets for use in the Missouri-Mirror Fusion Project 4—31085
Peckham, P.H. Open loop control in restoration of upper extremity function 4—56190
Peckham, P.H. *see* Buckett, J.R. 4—56194
Peckham, P.H. *see* Marsolais, E.B. 4—56195
Peckham, P.H. *see* Thrope, G.B. 4—56193
Peclum, M.-L.Grosse *see* Grosse Peclum, M.-L.
Pecvarac, D. Potential transfer from substation 110/10 kV Osijek 3 4—39859
Peczalski, A. Noise measurement as a testing tool 4—29238
Pedchenko, I.E. *see* Poluektov, Yu.M. 4—41808
Peddie, R.A. System operation—a new dimension 4—34055
Peden, K., English, S.V., McCracken, H., Ferguson, M.A. Reserve management in a medium sized power system 4—34062
Pedersen, A., Cattell, C.A., Falthammar, C.-G., Formisano, V., Lindqvist, P.-A., Mozer, F., Torbert, R. Quasistatic electric field measurements with spherical double probes on the GEOS and ISEE satellites 4—44904
Pedersen, G. Selecting the correct UPS 4—49568
Pedersen, G. Selecting the correct UPS capacity 4—56519
Pedersen, H. *see* Nielsen, G. 4—60402
Pedersen, M.Brix *see* Brix Pedersen, M.
Pederson, L.A. *see* Hofer, D.C. 4—29262
Pederson, L.W. *see* Bittner, B. 4—37591
Ped'ko, A.V. *see* Kudritskii, V.D. 4—55134
Pedraza, L.J., Edmonds, M.I., Durrani, S.A. Radium concentration in building materials measured by nuclear track detectors 4—56212
Pedrera, M.A. *see* Lopez-Bescos, L. 4—49276
Pedrycz, W. *see* Hirota, K. 4—53887
Peebles, D.L., Murday, J.S., Weber, D.C., Milliken, J. Electrical characteristics of an aluminium: trans-$(CH)_x$ photodiode and possible defect-related current transport 4—37222
Peebles, P.Z., Jr. Bistatic radar cross section of chaff 4—44146
Peebles, P.Z., Jr. Analysis of a function to approximate the envelope of a bandpass random signal 4—57900
Peebles, P.Z., Jr. On the rigorous analysis of monopulse radar angle accuracy with sum channel limiting 4—60896
Peebles, W.A. *see* Brower, D.L. 4—39298
Peebles, W.A. *see* Park, H. 4—39299
Peebles, W.A. *see* Tong, P.P. 4—42968
Peebles, W.A. *see* Young, P.E. 4—39344
Peek, H.L. The characterization and technology of deposited oxides for EEPROM 4—29885
Peek, H.L. *see* Cuppens, R. 4—51243
Peel, R.J., Finney, R., Lassise, R.M. Relationship of shielding effectiveness to transfer impedance/admittance for cable emission and susceptibility 4—59787
Peelen, J., Pluyms, R., Koel, G. Dipless multimode and monomode fibers manufactured by the PCVD process 4—52644
Peeling, N.E. *see* Morison, J.D. 4—45949
Peercy, P.S. *see* Thompson, M.O. 4—46915
Peery, J.W. *see* Gingerich, J.Z. 4—50566

Peeters, W.L. *see* Martens, J.W.D. 4—47310
Peett, J. A new era in UK communications 4—60711
Pehl, R.H. *see* Goulding, F.S. 4—33703
Pehl, R.H. *see* Raudorf, T.W. 4—33698
Pehl, R.H. *see* Varnell, L.S. 4—33778
Pehl, R.H. *see* Walton, J.T. 4—33708
Pehlert, W.K., Jr. *see* Davis, M.E. 4—48288
Pei, S.-C., Huang, E.-F. 2D discrete cosine transform computation by fast polynomial transform algorithms 4—53688
Pei, S.S., van Dover, R.B. Ion beam oxidation for Josephson circuit applications 4—31061
Peide Lu *see* Lu Peide
Peier, U.R. *see* Graf, E.P. 4—30915
Peifang Chen *see* Chen Peifang
Peigen Mo *see* Mo Peigen
Peihua Cai *see* Cai Peihua
Peihua Qiu *see* Qiu Peihua
Peihui Liang, Chao Ye, Shaoxin Meng, Weiqing Zhang, Yuying Kang A simple and practical setup for measuring the duration of single ultrashort pulses 4—59575
Peihui Liang *see* Liang Peihui
Peijian An *see* An Peijian
Peijuan Gao *see* Gao Peijuan
Peiliang Xie *see* Xie Peiliang
Peipei Xie *see* Xie Peipei
Peire, J. *see* Aldana, F. 4—57207
Peire, J. *see* Martinez, P. 4—34519
Peiser, P. The Italian National Electricity Board (E.N.E.L.) programme for new and renewable sources of energy 4—45209
Peisert, A. Parallel plate avalanche chamber as an endcap detector for time projection chamber 4—33646
Peisert, A., Charpak, G., Sauli, F., Viezzoli, G. Development of a multistep parallel-plate chamber as time projection chamber end-cap or vertex detector 4—33689
Peisheng Shi *see* Shi Peisheng
Peistrup, M.A., Finman, P.F. Media free electron lasers for the production of VUV and X-ray radiation 4—52840
Peiszner, J. *see* Pelle, B. 4—52049
Peitian Liu *see* Liu Peitian
Peitrzak, J. The system UBZ-10M of interference gating 4—48512
Peitzsch, L., Truong quang Mui Electroerosive separating of hard-to-machine metallic materials with rotating disk electrode 4—57618
Peiwei Zeng *see* Zeng Peiwei
Peixuan Ye *see* Ye Peixuan
Peizhen Li *see* Li Peizhen
Pejkovic, M. ETC 960—a small capacity SPC telephone exchange 4—48344
Pejkovic, M. A public automatic mobile system with AXE 10—an optimal way of integrating mobile subscribers with the telephone network 4—60689
Pejovic, S. *see* Krsmanovic, L. 4—45340
Peka, G.P. *see* Dryapiko, N.K. 4—59324
Pekar, G.S. *see* Kozlovskii, V.I. 4—42609, 4—52937
Pekarek, V. A periodic deformational field within material of a DC yoke and its solution by a three-dimensional wave equation 4—56905
Pekarev, A.I. *see* Nemtsev, G.Z. 4—30708
Pekarskii, G.Sh. Neutron radiometric instruments and installations for nondestructive absorption inspection 4—58094
Pekrul, D.A. *see* Quiring, K.B. 4—44660
Peksens, R.K. *see* Ling, C.C. 4—49330
Pekus, A.A. *see* Ital'yantsev, Yu.F. 4—35526
Pelavin, R. *see* Burstein, M. 4—50894
Pelavin, R.N. *see* Burstein, M. 4—52198
Peleg, S., Nathan, A. Classification and tracking using local optimization 4—32029
Pelgrom, M.J.M. *see* Veendrick, H.J.M. 4—51236
Peli, T., Quatieri, T.F. Homomorphic restoration of images degraded by light cloud cover 4—60256
Pelipenko, V.I. *see* Kosichnik, Yu.V. 4—47494
Pelissou, S., St-Onge, H., Wertheimer, M.R. Dielectric breakdown in polyethylene at elevated temperatures 4—59060
Pelka, H. Integrated modules for the practice. III. [Siemens TLB 3101-TLB 3104 ICs] 4—36151
Pelka, H. Integrated modular units in practice. Part 4 and conclusion 4—50014
Pelka, J. *see* Brieger, K.-P. 4—47063, 4—52048
Pellaux, J.-P. *see* Dandlikker, R. 4—48487
Pelle, B., Kispeter, J., Peiszner, J. Barrier-height and hot electron attenuation length measurements in Au-Si, Ag-Si and Al-Si diodes between 280-350K 4—52049
Pelle, F. *see* deViry, D. 4—52933
Pellegrin, J.D. The FCC considers transborder programming and information delivery [satellite services] 4—54697
Pellegrin, P. *see* de Callatay, B. 4—61676
Pellegrini, C. *see* Bonifacio, R. 4—47399
Pellegrini, G. *see* Dogliotti, R. 4—60826
Pellegrini, G. *see* Marchesi, C. 4—44300
Pellegrini, R. *see* Di Castro, E. 4—61774
Pellegrini, U. *see* Encarnacao, J. 4—32412
Pellegrino, J.M. *see* Berg, N.J. 4—52738
Pellegrino, M. *see* Inguscio, M. 4—42567
Pelletier, G. *see* Taylor, R. 4—50564
Pelletier, J. *see* Arnal, Y. 4—51996
Pellkofer, D. *see* Hummeler, A. 4—49716
Pelloni, D., Lagadec, R. Enhancement of audio signals based on digital techniques 4—53716
Pelly, B. Optimising the reliability of power MOSFETs 4—58921
Pelon, J. *see* Megie, G. 4—61930
Pelosi, C. *see* Gombia, E. 4—35460, 4—58002
Pelras, A. *see* Breuze, G. 4—42479
Pelton, J.N. INTELSAT: the geosynchronous orbital arc and the third world 4—32747
Pelton, J.N. Communications: developing nations faster 4—60771
Pel'ts, S.D. *see* Ben'kova, L.F. 4—48863
Peltz, G. Transmission gates—principles and applications 4—29988
Peltz, G. Transmission gate—basics and applications 4—30040
Peltz, G. Phase-chopping circuit 4—35614
Peltz, G. Transformerless operation of small motors. On the 220 V mains supply 4—49913
Peltz, G. Bounce-free shift/shift lock circuit for keyboards 4—51107
Peltz, G. Tuning system with voltage synthesis for TV and radio receivers 4—51489
Peltz, G. Tuning system with voltage synthesis for TV and radio receivers. II 4—60998
Peluso, G. *see* Cristiano, R. 4—31077
Pelz, S. BASIC for the electrical specialist. II 4—49874
Pelzer, W. *see* Busse, W. 4—33562
Pelzl, J. *see* Netzelmann, U. 4—37008
Pemberton, W.G. *see* Forman, A.V. 4—60166
Pen, E.F., Tverdokhleb, P.E., Tishchenko, Yu.N., Trubetskoi, A.V. Acoustooptical deflector for a holographic memory 4—31204
Penafiel, M. *see* Gupta, A.K. 4—60150
Penalver, C.M. *see* Aldana, F. 4—57207
Penaud, N. *see* Jecko, F. 4—31722
Penco, E. *see* Vietri, G. 4—37279
Pencole, B.P. *see* Paarmann, L.D. 4—37912
Pendelton, J. *see* Onishi, S. 4—55278
Pendergrass, R.A. System architecture of a multitasking digital image processor 4—53872
Penfield, P., Jr. *(editor)* Proceedings, Conference on Advanced Research in VLSI 4—40710
Penfold, J. *see* Newport, R.J. 4—56034
Penfold, R. Souping up the '64 [A/D converter for Commodore 64] 4—35877
Penfold, R. Bytes by the mains 4—43764
Penfold, R. Digital frequency meter [based on Sinclair ZX Spectrum] 4—61115
Penfold, R.A. Auto-notch filter 4—41475
Penfold, R.A. Sustain unit 4—48656
Penfold, R.A. Crosshatch generator 4—48916
Peng, C.H. *see* Lin, M.S. 4—36422
Peng, C.K. *see* Laidig, W.D. 4—31368, 4—50757
Peng, J.P., Salon, S.J. Hybrid finite element boundary element solutions using half-space Green's functions 4—31581
Peng, W.P. *see* Schuler, D.L. 4—56319
Peng Chuancai *see* Cui Yuanri 4—50822
Peng Ping *see* Ping Peng
Peng Shouquan LM-2 logic simulation language and its program 4—58230
Peng Song-Tsuen *see* Song-Tsuen Peng
Peng Xue-yu *see* Bao Zheng 4—48494
Peng Ying *see* Fu Yaoxian 4—47209
Peng Zhong-qiu The equivalent admittance of the longitudinal shunt slot and the effect of the short-plate 4—42897
Peng-Huat Ang, Delosme, J.-M., Morf, M. Concurrent implementations of matrix eigenvalue decomposition based on isospectral flows 4—53592
Peng-ye Wang *see* Wang Peng-ye
Pengelly, R.S. *see* Finlay, H.J. 4—30108
Pengelly, R.S. *see* Suckling, C.W. 4—30064
Pengilly, R. Looking towards the future of building management systems 4—50380
Peniguel, F.P. *see* Fenton, B.P. 4—55322
Penionzhkevich, Yu.E. *see* Seidel, V. 4—39452
Penkin, V.N. *see* Belyakov, V.M. 4—34393
Penko, F.A. *see* Orzechowski, T.J. 4—47368
Penkov, G., Doncheva, M. Linear distortions of noncoincident drivers 4—44352
Penn, M. The European semiconductor market 4—35116
Penn, M.G. An overview of emerging markets and requirements for custom/semicustom VLSI in the commercial market 4—47114
Penna, T.C., Tamargo, M.C., Swartzwelder, W.L. A study of the growth of high-purity InGaAs by conventional LPE 4—50784
Pennebaker, W.B., Mitchell, J.L., Pennington, K.S., Anastassiou, D. A high performance freeze frame videoconferencing system 4—32995
Pennett, J.G. *see* Phelps, R.F. 4—35185
Penney, G.W. *see* Dvorsky, J.E. 4—31613
Penney, G.W. *see* Uber, A.E., III 4—31612
Penney, J.C. Basic circuits of electronics: the RAM. I 4—58317
Pennian Shen *see* Shen Pennian
Penning de Vries, R.G.M., Wallinga, H. Experimental verification of increased D_{it} at the parallel edges of a surface-channel CCD 4—30655
Pennings, J.P. *see* Freeman, L.B. 4—35916
Pennington, K.S. *see* Pennebaker, W.B. 4—32995
Pennisi, A. *see* Mancini, N.A. 4—58822
Pennix, G.B. The future of optical memories, videodisks and compact disks to the year 2000 4—48605
Pennoni, G. *see* Alaria, G.B. 4—60740
Penot, J.-P. Differentiability of relations and differential stability of perturbed optimization problems 4—57951
Penoyer, R.F. Charge-controlled memory cell 4—51211
Penquer, Y.de *see* de Penquer, Y.
Penrod, B. *see* Bourke, B. 4—33492
Penrose, A.D. A connector system for liquid crystal displays 4—33390
Penson, R.P. Microcomputer based boiler efficiency monitor 4—55223
Pent, M. *see* Ajmone Marsan, M. 4—37788
Pent, M. *see* Canovai, G. 4—38504
Pentegov, I.V., Bezgachin, N.I. Theorem of the reactive power of two and four terminal networks 4—58108
Pentegov, I.V., Sheikovskii, D.A., Stemkovskii, E.P., Meshcheryak, S.N., Bobrovnik, Yu.M., Lyakhovich, A.L., Linchenko, V.A., Zadneprovskii, P.V. Regulating the shape of the current curve for an MS-1 capacitor-discharge machine [welding machine] 4—35069
Pentenreider, R. *see* Tondok, W. 4—35253
Pentyush, E.V. *see* Lusis, A.R. 4—59273
Penumalli, B.R. Computer simulation in VLSI process modelling 4—36748
Penumalli, B.R. *see* Fichtner, W. 4—30699
Penzkofer, A. *see* Graf, F. 4—47438, 4—59603
Penzkofer, A. *see* Gronninger, G. 4—37451
Peoples, J. *see* Coteus, P. 4—55824
Pepe, R.A., Pantaleo, G.G. Method of determining parameters of linear systems 4—37938
Peper, A., Flowers, N.C., Shvartsman, V. Comments on 'Multichannel signal processing based on logic averaging' [and reply] 4—49199
Peper, A. *see* Hamstra, G.H. 4—39568
Pepko, M. Telecomms: the scene today 4—32170
Peppard, L.E. *see* Krause, M.A. 4—29819
Peppard, L.E. *see* McLellan, R.W. 4—32646
Pepper, M. *see* Davies, R.A. 4—51901
Pepper, M. *see* Long, A.P. 4—41820
Pepper, M. *see* Powell, T.G. 4—36350
Pepper, M.G. *see* Mountford, P.J. 4—33908
Pepper, R.L., Cole, R.E., Spain, E.H., Sigurdson, J.E. Research issues involved in applying stereoscopic television to remotely operated vehicles 4—48616
Pepple, R.D. *see* Blemberg, W.R. 4—58989
Peppler, W.W. *see* Dobbins, J.T. 4—49147
Perabo, R. Interferences are the greatest enemy for the telefax 4—48049
Peraldi, A. Large IR detector arrays for space applications—a user standpoint 4—56268
Peralta, W.H., Serrano, B.R., Rivera, J.F. Optimum elimination of inadmissible operating states 4—62057
Peralta-Fabi, R., Balcazar-Garcia, M., Lira, J., Hernandez, G., Perez-Peraza, J. Track profile determination by direct digital processing of SEM images 4—55908
Peralta-Fabi, R. *see* Camacho, S. 4—55909
Peralta-Fabi, R. *see* Lira, J. 4—55905
Peralta-Fabi, Ri., Hernandez, G., Vicente, E., Prado, J. Microscopic information extraction by digital processing of SEM images 4—38110
Perard, J. *see* Bouteille, J.F. 4—29716
Peratt, A.L., Kwan, T.J.T., Mostrom, M.A., Thode, L.E. Generation of high-power microwaves in pulsed-power diodes 4—30271
Perbet, J.-N. Flat panel displays for 3-D imaging 4—48965
Percival, R., Fitchett, M. Designing a laser-personalized gate array 4—41279
Percival, R., Fitchett, M. Semi-custom IC: design with a laser pattern generator and silicon compiler 4—51113
Percival, W. *see* Nelving, H.-G. 4—34522
Perdereau, J. *see* Lambert, J.M. 4—61111
Perdrigeat, J. *see* Kane, D. 4—61360
Pereda, J.A.M. *see* Muriel, M.A. 4—48974
Peregrin, L.Timar *see* Timar Peregrin, L.
Peregudova, T.V. *see* Al'tman, A.B. 4—30148
Pereira, R., Dial, G. Pseudo-generalization of Shannon inequality for Mittal's entropy and its application in coding theory 4—31816
Pereira Cabrita, C.Manuel *see* Manuel Pereira Cabrita, C.
Perel'man, M.P. *see* Bondarenko, V.G. 4—44453
Perel'shtein, E.A. *see* Aleksakhin, Yu.I. 4—55788
Perel'shtein, L.P. Selecting sound radiation circuits in ultrasonic inspection with inclined transducers 4—35555
Perelyaev, V.E. *see* Kovalev, A.M. 4—61475
Perepelkina, R.N. *see* Tishchenko, V.A. 4—33396
Peresun'ko, S.P. *see* Grotte, A.M. 4—36249
Perevalov, G.N., Gavrev, V.S., Kalinin, V.A., Tsesler, L.B. New ultrasonic instruments for checking metal objects 4—58088
Perevalov, M.G. *see* Zibrov, A.S. 4—31465
Perevalov, S.P. *see* Shastin, A.G. 4—58099
Perevertailo, V.L., Frolov, O.S. Cut-off voltage of MOS structures with a buried channel 4—58804

Pereverzev, A.V. *see* Molchanov, M.I. 4—44514, 4—47503

Perevodchikov, V.I., Pokrovskii, S.V., Khomskii, I.G., Shapenko, V.N., Zav'yalov, M.A., Naguchev, O.Yu., Verkhovskaya, E.E., Labzov, A.A., Stuchenkov, V.M. Direct current commutator for large electron beam technological installation based on electron beam rectifier 4—34757

Perevodchikov, V.I. *see* Naguchev, O.Yu. 4—30251

Perevodchikova, T.V. *see* Simeonova, Yu.M. 4—48896

Perevozchikov, A.N. *see* Zhimskaya, N.V. 4—55484

Pereyra, I., Andrade, A.M. Improved reproducibility in the Ni/Sn-Pb metallization process for crystalline silicon solar cells 4—57361

Perez, A. Ambiguity versus coding rate for unfitted source encoding 4—53404

Perez, A.J. *see* Walker, D.N. 4—49774

Perez, D. *see* Fabregat, F. 4—47910

Perez, F., Blanco, S. A new method of designing equalization networks for microwave transistor amplifiers 4—30093

Perez, F. *see* Adler, E. 4—40412

Perez, J. A full range illumination regulator and attenuator 4—50211

Perez, J. A manually operated logic impulse generator 4—51041

Perez, J.Asensi *see* Asensi Perez, J.

Perez, J.L.Carrion *see* Carrion Perez, J.L.

Perez, P. *see* Chase, R.L. 4—39426

Perez, R. *see* Weisz, S.Z. 4—52765

Perez Cagigal, N. *see* Bracho, S. 4—51158

Perez Coyto, A. Real-time security analysis of an electrical supply system in its control centres 4—49499

Perez de Talens, A.F. *see* Quetglas, G.M. *(editor)* 4—49233

Perez Ferreira, E., Achterberg, E., Camin, D., Ceballos, A., Fazzini, N., Filevich, A., Gonzalez, H., Jech, A., Mariscotti, M.A.J., Milberg, J., Nicolai, J., Requejo, R., Ribarich, R., Rossi, J.J., Tau, S., Tersigni, A., Testoni, J., Ventura, E. The Buenos Aires tandem accelerator facility 4—33564

Perez Lopez, J.J. CAD systems for VLSI design 4—42114

Perez Martinez, F. *see* Perez Martinez, J. 4—60899

Perez Martinez, J., Perez Martinez, F. Development of an integrated X-band radar receiver for marine applications 4—60899

Perez Molina, J. *see* Delgado-Penin, J.A. 4—38494

Perez Segovia, T. *see* Chuquillanqui, S. 4—35774

Perez-Mendez, V. *see* Bellazzani, R. 4—33818

Perez-Mendez, V. *see* Del Guerra, A. 4—33831

Perez-Mendez, V. *see* Hirayama, H. 4—39411

Perez-Mendez, V. *see* Lingel, K. 4—33683

Perez-Mendez, V. *see* Mulera, T. 4—33679

Perez-Mendez, V. *see* Tam, K.C. 4—39540

Perez-Peraza, J. *see* Peralta-Fabi, R. 4—55908

Perez-Preaza, J., Laville, A., Camacho, S., Balcazar-Garcia, M. Explicit dependence on temperature of particle energy losses in plastic detectors 4—55886

Perez-Verdu, B. *see* Huertas, J.L. 4—41235, 4—51024

Perfetti, P. *see* Daniels, R.R. 4—58777

Perfetti, P. *see* Evangelisti, F. 4—30399

Perfetti, P. *see* Fortunato, G. 4—36338

Perfetti, P. *see* Margaritondo, G. 4—46845

Perfetti, P. *see* Quaresima, C. 4—46862

Perfetto, A. *see* Pagano, E. 4—49889

Perger, A., Tichawa, N., Schmidt, A.J. Subnanosecond gating of a photomultiplier by an externally applied electric field 4—36238

Pergrale, J., Berche, C., Iachetti, D., Normand, G., Jatteau, M. Influence of the depth effect on quantitative results in single photon emission tomography with attenuation correction 4—39532

Peri, J.S.J. *see* Czajkowski, S.F. 4—48382

Perianayagam, K.S., Kalyanaramudu, U.K. One-chip μC and software load PROM data into popular 8-bit μC 4—51273

Perichon, A. *see* Bouidene, Y. 4—32829

Perichon, R.A., Gouzien, P., Camargo, E. Experimental determination of a simple nonlinear equivalent circuit representing TEC GaAs 4—30098

Pericleous, C. A new air traffic control system for Cyprus 4—39679

Perilloux, B.E., Azzam, R.M.A. Low-distortion electro-optic intensity-modulation system with optical feedback 4—52707

Perilloux, B.E. *see* Azzam, R.M.A. 4—52521

Periman, B. *see* Sechi, F. 4—33133

Perin, J.M. *see* Dwyer, T.J. 4—31753

Perinati, A. *see* Colombani, L. 4—38650

Perini, J. *see* Li, P.G. 4—42901

Perini, L.L. *see* Dugger, G.L. 4—34524

Peris, J. *see* Cunningham, C.L. 4—33804

Peris, R. *see* Morte, F. 4—47806

Perkhach, V.S., Ravlik, A.M. Digital modelling of power transmission processes, based on reverse-differentiation formulae 4—45064

Perkhach, V.S. *see* Sklyarov, V.F. 4—34605

Perkins, F.H., Jr. Technique aids SAWR oscillator design 4—58189

Perkins, L.C., Smith, H.B., Mooney, D.H. The development of airborne pulse Doppler radar 4—49378

Perkins, M.D., Mauser, S.F., Mikell, D.C., Nilsson, S.L. Operation of a long-term transient monitoring system in a 138-kV and a 500-kV substation 4—62132

Perkins, M.D., Mauser, S.F., Mikell, D.C., Nilsson, S.L. Summary of transient data obtained from long-term monitoring of a 138-kV and a 500-kV transmission line 4—62133

Perkins, W.H. *see* Chao, P.C. 4—36058, 4—58549

Perkowitz, S. *see* Carr, G.L. 4—39185, 4—42286

Perkowitz, S. *see* Cook, W.B. 4—39342

Perkowski, M. Self test cum self repair 4—29759

Perkowski, Z. Characteristic impedance of balanced screened circuit with an oval screen 4—47625

Perl, J.M. Channel coding in a self-optimizing HF modem 4—43860

Perl, Y. *see* Corneil, D.G. 4—57917

Perlatov, V.G. *see* Nuriev, F.N. 4—50861

Perlegos, G. *see* Haung, H.-M. 4—51389

Perlegos, G. *see* Ip, W. 4—58343

Perlegos, G. *see* Mehrotra, S. 4—51230

Perlin, A.S. *see* Beruchev, N.G. 4—61603

Perlin, A.S. *see* Vecherkovskii, V.V. 4—49998

Perlini, J.J. *see* Geany, G.M. 4—36174

Perlman, R. *see* Quong, D. 4—51359

Perlmutter, P. *see* Ashkenazy, J. 4—37776

Perlmutter, R.J. *see* Freyer, J.L. 4—59621

Perlmutter, R.J. *see* Hesselink, L. 4—42732

Perminov, S.V., Shuster, Ya.B. Use of plasma spraying of dielectrics during production of printed circuit boards 4—41708

Perminova, V.N., Sysoev, V.K. Pressure sensitivity prediction of polarisation IR fibre sensors 4—44510

Permyakov, V.A. *see* Tsanev, S.V. 4—49727

Perna, A.Di *see* Di Perna, A.

Perner, B. *see* Kvapil, J. 4—42592

Perner, F., Roylance, L., Van Bree, K. Design features of a 10K CMOS gate array 4—58281

Pernin, J.-L. Techno-economic approach of the digital subscriber line regarding the future of RNI and RNIS 4—32491

Pernpeintner, R. Offshore siting of large wind energy convertor systems in the German North Sea and Baltic regions [wind turbines] 4—62477

Pernsteiner, P. Small automatic controller has many applications 4—55171

Perny, D. Compression of underwater images for their transmission on a low bit rate acoustic channel 4—60227

Peroche, B. NP-completeness of some problems of partitioning and covering in graphs 4—50650

Perone, S.P., Spindler, W.C. Battery lifetime prediction by pattern recognition. Application to lead-acid battery life-cycling test data 4—45591

Peronnet, G. *see* Bolomey, J.C. 4—39607, 4—56096

Perotti, F. *see* Charalambous, P.M. 4—39424

Perotto, J.E. Timepiece circuit with a processor structure 4—46480

Perov, A.I. Synthesis of adaptive tracking systems 4—31983

Perov, A.N. *see* Kosichnik, Yu.V. 4—47494

Perov, A.S. *see* Ovsyannikov, M.I. 4—58859

Perov, I.Yu. *see* Andreev, L.N. 4—47495

Perov, N.S. Interfacing the Elektronika DZ-28 microcomputer to digital measurement equipment 4—39036

Perov, P.I. *see* Ermakov, M.G. 4—46855

Perras, M. Use of the INTELSAT system for rural or light traffic 4—54720

Perras, M. Use of the INTELSAT system for domestic telecommunications 4—60786

Perrault, F., Caporossi, D. Methodology for cost optimization of a wideband optical fiber network 4—43551

Perret, J. From oscilloscope to waveform analyser 4—44539

Perret, J. From the oscilloscope to the waveform analyzer. II 4—61192

Perret, J.J. Reconstitution of the timing of events in logic analysis 4—55315

Perret, R. *see* Bouteille, J.F. 4—29716

Perrey, A.G. *see* Bell, B.A. 4—59331

Perri, A.G. *see* Andresciani, V. 4—58175

Perri, G. *see* Bellazzini, R. 4—49089

Perriam, R.H. *see* Cooling, J.E. 4—33936

Perrier, J.C. *see* Brugel, L. 4—44595

Perrin, R.G. *see* Paoletti, F. 4—45792

Perrin de Brichambaut, C. *see* Dogniaux, R. 4—33083

Perrine, D.M. *see* Close, A.D. 4—52165

Perron, N. VAX/VMS DECnet Proxy Access 4—32384

Perrone, A. *see* Bostica, P. 4—61093

Perruche, H. *see* Mills, K. 4—58519

Perry, B. *see* Cohen, M.N. 4—54878

Perry, C., Hartsell, E., Jr. Successful field welding of turbine casing cracks 4—62396

Perry, D.M., Moran, P.J., Robinson, G.M. Three dimensional surface metrology of magnetic recording materials through direct phase detecting microscopic interferometry 4—42272

Perry, J. *see* Antonelli, D.J. 4—56133

Perry, M. Fibre optics makes Olympics debut 4—48488

Perry, M.P. Eddy current damping due to a linear periodic array of magnetic poles 4—37537

Perry, N.D., Tobin, R.C. A high concentration metal vapour beam for lasers 4—42530

Perry, R. 100% inspection? NDT fits the bill 4—48690

Perry, R., Hayes, D. Logic design software casts workstation in role of manufacturer's aide 4—46418

Perry, T. Engineer environments: four portraits 4—50420

Perry, T.C., Funk, R.R., Burdette, E.G. Seismic testing of anchorage to concrete 4—49694

Perry, T.S. Company C: quiescent and secure 4—40766

Perry, T.S. Company D: a fortress undisturbed [electrical engineering work environments] 4—50299

Persans, P.D. *see* Tiedje, T. 4—58773

Persechini, D.L. *see* Tangonan, G.L. 4—31109

Pershanin, E.A. *see* Vaksman, V.N. 4—62422

Pershenkov, P.P., Chuvykin, B.V., Shakhov, E.K. Synthesis of step weighting functions in frequency range for measuring integrated characteristics of signals 4—60028

Persikov, V.A. *see* Nazarov, N.G. 4—31863

Persin, M., Pivac, B., Urli, N., Popovic, S., Cavdarbasa, F. Some electrical properties of an *n*-InSe/*p*-CdTe heterojunction 4—58770

Personick, S.D. Minitutorial: distribution and local networks 4—54814

Personick, S.D. Fiber-optic 1-GHz system design 4—54829

Personick, S.D., Jalali, A., Muoi, T.V., Arstein, D., Jackson, A. Multiplexed digital video transmission in single-mode fibers 4—54796

Personne, C., Colchen, A., Romanelli, J., Toty, L. Technical problems raised by laser endoscopic resections in bronchology 4—49299

Persson, L. Acoustic emission and ultrasonic testing of high-tension insulators, a comparison of test methods for failure prediction 4—29573

Persson, M. Two teledata systems—with many versions 4—32305

Persson, M. NAPLPS—another standard for videotex 4—32306

Persson, M. The objective is: advanced communication between small and large computers 4—32342

Persson, M. The laser writer is a strong card amongst the digital plotters 4—39216

Pertsev, A.N. *see* Anshakov, O.M. 4—46783

Pervozvanskiy, A.A. *see* Gaitsgori, V.G. 4—35389

Pery, O., Petrica, Gh. Instrument for measuring insulation resistance 4—61445

Perz, P. *see* Hojan, E. 4—39751

Pesak, J. What next with gramophone records? 4—33064

Pesak, J. Ultrasonic cleaning of gramophone records 4—55128

Pesavento, F.L. *see* DiMaria, D.J. 4—35807, 4—52812

Pesch, J.A. Method for determining demagnetizing effects of particles [magnetic disc recording] 4—42250

Peschke, W. A selective image analyser for use in particle metrology 4—55197

Pescu, G. *see* Armanini, D. 4—48691

Peshekhonov, V.D. *see* Abdushukurov, D.A. 4—61700

Pesic, M. *see* Maksimovic, Z. 4—56828

Peskett, G.D. *see* Wale, M.J. 4—56294

Peskin, A.M. *see* Baudet, G.M. 4—50911

Peskovatskii, S.A. *see* Myshenko, V.V. 4—37253

Pesonen, A.J. Possibilities of predicting corrosion due to HVDC transmission systems based on experience from existing installations 4—45075

Pessa, M., Jylha, O., Herman, M.A. Atomic layer epitaxy of CdTe on the polar (111)A and (111)B surfaces of CdTe substrates 4—58030

Pessa, M., Jylha, O., Huttunen, P., Herman, M.A. Epitaxial growth and electronic structure of CdTe films 4—41046

Pessa, M. *see* Herman, M.A. 4—35491

Pessacq, R.A. Control and operation of generating stations with variable steam pressure 4—34422

Pessina, G., Zimaglia, C. Application of harmonic identification general methods to a three phase pole commutating winding 4—56921

Pestov, E.G., Timofeev, V.I. Effect of low-frequency periodic perturbations on the beat frequency in a ring laser 4—42670

Pestov, Y.N. *see* Ogawa, A. 4—33688

Pestryakov, V.A. *see* Babenko, F.M. 4—62491

Peszlen, R.A. *see* Kolcio, N. 4—57793

Peteghem, P.Van *see* Van Peteghem, P.

Petelin, M.I. *see* Abubakirov, E.B. 4—36218

Petelin, M.I. *see* Bogachenkov, V.A. 4—59365

Petelin, Yu.V. *see* Stogov, G.V. 4—61302

Peter, A.E. *see* Feather, B.A. 4—51683

Peter, D. *see* Hartl, W. 4—39553

Peter, J.-M. Power semiconductor in today's and next future industrial environment 4—42018
Peter, W. Vacuum breakdown and surface coating of RF cavities 4—58695
Peter, W., Faehl, R.J. Electron ring trapping in mirror fields 4—33610
Peterfai, B. *see* Formanne, G.C. 4—33966
Peterlin, P., Grilec, B., Novak, J., Markelj, M. Man-machine interface for power control as a part of telecontrol system TI-30 4—49503
Peterlin, P., Panie, N. Multimicrocomputer-based power control centres 4—49502
Petermann, K. *see* Wagner, E.E. 4—31442
Peters, D.T. *see* Taylor, E.J. 4—45593, 4—45594
Peters, G. A GPS/Shuttle orbital navigation experiment 4—48530
Peters, H. Ultra-high-power furnaces have been approved in world-wide markets 4—57550
Peters, I.V. *see* Byr'ka, V.F. 4—62252
Peters, J.H., Kanters, J.T. Hadamard transform of composite video for consumer recording 4—44297
Peters, M., Sawla, A. Report on the measurements carried out within the framework of the EC comparison between the PTB, Braunschweig and the TNO, Delft (November/December 1982) 4—33278
Peters, M., Sawla, A. Report on the measurements carried out within the framework of the EC comparison between the PTB, Braunschweig and the MD/SM, Brussels (April 1982) 4—39161
Peters, M., Sawla, A., Wilkening, G. Final report - EC-comparison measurements for forces up to 1 MN between Belgium, MD/SM Brussels; Federal Republic of Germany, PTB Braunschweig; France, LNE Paris; Italy, IMGC Turin; The Netherlands, TNO; VSL Delft; United Kingdom, NPL Teddington (August 1983) 4—55709
Peters, M., Wilkening, G. Report on the measurements carried out within the framework of the EC comparison between the PTB, Braunschweig and the NPL, Teddington (April 1981) 4—39162
Peters, M., Wilkening, G. Report on the measurements carried out within the framework of the EC comparison between the PTB, Braunschweig and the IMGC, Turin (May 1981) 4—39163
Peters, P.C. The role of induced EMFs in simple circuits 4—29148
Peters, P.J.M., Bastiaens, H.M.J., Witteman, W.J. Compact coaxially excited high energy density KrF laser 4—31310
Peters, P.J.M. *see* Bastiaens, H.M.J. 4—31318
Peters, R. *see* Bohmann, J. 4—45706
Peters, R.C. *see* van Kemenade, J.T.C. 4—62798
Petersen, F.R., Beaty, E.C., Pollock, C.R. Improved rovibrational constants and frequency tables for the normal laser bands of $^{12}C^{16}O_2$ 4—31314
Petersen, F.R. *see* Vasconcellos, E.C.C. 4—59432
Petersen, F.R. *see* Wells, J.S. 4—59507
Petersen, H. Thermal control design of ISPM [International solar polar mission spacecraft] 4—44872
Petersen, J.C., Duxbury, G. Submillimetre laser lines from CH_3OH pumped by a $^{13}C^{18}O_2$ pump laser: observations and assignments 4—37292
Petersen, J.L.W. High resolution n-type Si surface barrier detectors for measurement of conversion electrons below 20 keV 4—39436
Petersen, J.L.W. *see* Pancholi, S.C. 4—39491
Petersen, J.N. Digitally controlled system for reproducing blood flow waveforms in vitro 4—39505
Petersen, J.S., Kozlowski, A.E. Optical performance and process characterizations of several high contrast metal-ion-free developer processes 4—58833
Petersen, K. Versatile controller concept for data display units 4—61261
Petersen, K., Brown, J. Standard manufacturing processes for advanced silicon sensor families 4—61368
Petersen, P.M., Ravn, J.N., Skettrup, T. Bifurcations in electrooptic bistable devices with short delay times in the feedback 4—52703
Petersen, W. Reference values for generation of energy from various sources 4—39971
Petersen, W.C., Gupta, A.K. A three-stage power amplifier for a 20 GHz monolithic transmit module 4—30114
Petersen, W.P. *see* Fichtner, W. 4—30699
Peterson, C.I., Jr. *see* Culican, E.F. 4—46640
Peterson, D. *see* Coleman, C. 4—42275
Peterson, D. *see* Spillman, R. 4—36755
Peterson, D.G. *see* Washwell, E.R. 4—54894
Peterson, D.K., Bennett, S.D., Kino, G.S. Locating and sizing surface-breaking cracks with a synthetic-aperture acoustic-imaging system 4—46271
Peterson, D.L. Error theory for laser etched disk standards 4—37021
Peterson, D.L., Pavio, A.M., Jr., Kim, B. A GaAs FET model for large-signal applications 4—36595
Peterson, D.R., Fowler, C.M., Cummings, C.E., Kerrisk, J.F., Parker, J.V., Marsh, S.P., Adams, D.F. Design and testing of high-pressure railguns and projectiles 4—42788
Peterson, D.R. *see* Kerrisk, J.F. 4—37556
Peterson, E.M. *see* Potts, J.E. 4—58052
Peterson, E.Ya. Accurate and approximate methods of calculating multipoint data transmission channels 4—32474
Peterson, G.A. *see* McCartin, B.J. 4—36513
Peterson, G.K. *see* Bergstedt, M.D. 4—51656
Peterson, G.K. *see* Heikkila, K.E. 4—46718
Peterson, H. Paging progress 4—48392
Peterson, H. *see* Wong, C.S. 4—44924
Peterson, J.C., Smith, K.F. Techniques for automatic layout of constrained PPL circuits 4—35775
Peterson, J.R. *see* Bae, Y.K. 4—44672
Peterson, J.R. *see* Coggiola, M.J. 4—44684
Peterson, K.M., Weiss, N.A. Coherent sidelobe cancelling 4—53275
Peterson, R. High-capacity, -contrast LCDs become viable CRT alternative 4—55591
Peterson, T.J. Space Shuttle main engine turbopump transducer 4—49437
Peterson, T.M. *see* McLeod, P.S. 4—59304
Peterson, W. The finite element method application to the slot impedance calculation 4—34562
Peterson, W.E. Telephone electronics go down underground 4—60633
Petersons, O. *see* Hillhouse, D.L. 4—45488
Petersson, C. *see* Leichsenring, O. 4—61091
Petersson, C.S. *see* Ostling, M. 4—47073
Petersson, L.-G. *see* Dannetun, H.M. 4—33225
Petheram, J.C. *see* van Dijk, J.W. 4—54898
Pethig, R. *see* Armitage, D.W. 4—39605, 4—59694
Pethig, R. *see* Bone, S. 4—59054
Pethrick, R.A. *see* Hayward, D. 4—55643
Petipierre, C. Meshed local computer networks 4—60518
Petit, B. *see* Arnal, Y. 4—51996
Petit, C. *see* Paranthoen, P. 4—33247
Petit, R. *see* Olivon, G. 4—45254
Petit, R.D. High resolution digital data transition analysis and testing 4—55579
Petitjean, C. *see* Deutsch, J. 4—49088
Petkevich, I.V. *see* Baduk, G.V. 4—38815
Petkie, R. *see* Das, M.B. 4—50065
Petkov, B. *see* Nachev, G. 4—57615, 4—57616
Petkov, K. Evaporated photoresist—relation between the rate of dissolution and the conditions of As_2S_3 evaporation 4—36288
Petkovic, P.M. *see* Litovski, V.B. 4—58132
Petkovski, D.B. Decentralized control of multiterminal HVDC system embedded in AC networks 4—56571
Petlenko, B.I. Drives of translational displacement and their selection 4—57382
Petlevich, W. *see* Brown, D. 4—49747
Petley, D.H., Smith, D.M., Edwards, C.L.W., Carlson, A.B., Hamilton, H.H., II Surface step induced gap heating in the Shuttle thermal protection system 4—44801
Petnikov, V.G. *see* Bystrov, V.P. 4—56305
Petoussi, N., Durrani, S.A., Fremlin, J.H. A study of the propagation of a fast neutron beam in a water phantom using SSNTDs 4—55929
Petrakis, L. *see* Takayasu, M. 4—37552
Petrakov, M.D. *see* Arkhipov, A.N. 4—49854, 4—62509
Petrakov, Yu.V. Thyristor drive for a variable setting feed motion 4—57380
Petranovic, D. *see* Zunec, M. 4—34174
Petrash, G.G. *see* Astadjov, D.N. 4—59439
Petrash, G.G. *see* Zemskov, K.I. 4—42555
Petrashenko, N.P. *see* Svechnikov, G.S. 4—59592
Petrashov, V.T. *see* Kratschmer, E. 4—44590
Petre, P. A computer chip with a mind of its own 4—29889
Petre, R. *see* Serlemitsos, P.J. 4—33781
Petrenko, A.I., Timchenko, A.P., Ladogubets, V.V., Kolomiets, O.V. A method of minimax optimisation with automatic roll-out of particular figures of merit 4—41142
Petrenko, A.I., Timchenko, A.P., Slyusar, P.B. Macromodels of digital integrated circuits for the program pack of circuit engineering design 4—29776
Petrera, S. *see* Baroni, G. 4—55870
Petrescu, A.M. *see* Manolescu, G. 4—56495
Petrescu-Prahova, I.B. Research on $A^{III}B^{V}$ materials for optoelectronics in the Institute of Physics and Technology of Materials 4—41831
Petriashvili, K.F. *see* Totladze, Z.D. 4—39814
Petric, N. Security works in transformer stations 4—62578
Petrica, Gh. *see* Pery, O. 4—61445
Petricek, V. *see* Meszaros, S. 4—52492
Petridis, V. *see* Theocharis, J. 4—53331
Petrie, E.M. *see* Oommen, T.V. 4—57127
Petrie, W.F. *see* Silburst, A.L. 4—30619
Petrik, V.F. *see* Maevskii, S.M. 4—59245
Petrikevich, L.V. *see* Vinokurova, L.N. 4—30449
Petrillo, E.J. *see* Lee, Y.H. 4—52015
Petrillo, E.J. *see* Oehrlein, G.S. 4—58860
Petrillo, G.A., McIntyre, R.J., Lecomte, R., Lamoureux, G., Schmitt, D. Scintillation detection with large-area reach-through avalanche photodiodes 4—39450
Petrillo, K.E. *see* Chao, V.W. 4—51947
Petro, W.G. *see* Babalola, I.A. 4—51876
Petro, W.G. *see* Kendelewicz, T. 4—41887
Petro, W.G. *see* Williams, M.D. 4—58799
Petrocco, G. *see* D'Amico, A. 4—33229
Petrochenko, V.I. *see* Sergeev, V.M. 4—57169
Petroff, Y. *see* Billardon, M. 4—47383
Petroff, Y. *see* Deacon, D.A.G. 4—52829
Petroff, Y. *see* Elleaume, P. 4—42500
Petrofsky, J.S. Electrostimulation and paralyzed muscles 4—56192
Petrofsky, J.S., Heaton, H.H., III, Phillips, C.A. Leg exerciser for training of paralysed muscle by closed-loop control 4—44768
Petrofsky, J.S., Heaton, H.H., III, Phillips, C.A., Glaser, R.M. Application of the Apple as a microprocessor controlled stimulator 4—44778
Petrofsky, J.S., Phillips, C.A. Electrical stimulation of paralyzed limbo under feedback computer control 4—56146
Petrofsky, J.S., Phillips, C.A., Heaton, H.H., III, Glaser, R.M. Bycycle ergometer for paralyzed muscle 4—44765
Petrofsky, J.S. *see* Glaser, R.M. 4—56163
Petrofsky, J.S. *see* Gruner, J.A. 4—56162
Petrolo, E. *see* Centro, S. 4—55849
Petroni, R. *see* Malvezzi, A.M. 4—31181
Petrosino, L., Fucci, D. Vibrotactile instrumentation designed to generate pulses for the study of temporal resolution of the lingual sensory modality 4—49124
Petrosyan, A.G. Impurity distribution in $Y_3Al_5O_{12}$ crystals, grown by the Bridgman-Stockbarger method, in relation to the character of the gas medium at the melting stage 4—29468
Petrosyan, A.Zh. *see* Aleksanyan, A.S. 4—39495
Petrosyan, G.G. *see* Oznobishin, V.V. 4—55500
Petrosyan, K.B., Pogosyan, A.L., Pokhsraryan, K.M. Generation of ultrashort light pulses in the UV region by AP conversion of radiation in potassium pentaborate 4—59585
Petrosyan, L.A., Tomskiy, G.V. Dynamic games 4—46089
Petrosyan, S.G., Shik, A.Ya. Reverse current through *p-n* junctions in inhomogeneous semiconductor solid solutions 4—30416
Petrosyants, K.O. Outlook for the application of electrical models for elements with very small sizes in bipolar LSI design computations 4—30750
Petrov, A.I. *see* Patrushev, G.Ya. 4—37595
Petrov, A.S. *see* Detinko, M.V. 4—42842
Petrov, A.S. *see* Voitsekhovskii, A.V. 4—30340
Petrov, A.V. *see* Akerman, D.R. 4—39401
Petrov, B.A. *see* Kazanskii, V.M. 4—40263
Petrov, D.V. Acoustooptic and electrooptic guided wave conversion to leaky waves in an anisotropic optical waveguide 4—52575
Petrov, D.V. Acousto-optic conversion of a guided mode into a leaky wave in a Ti:$LiNbO_3$ waveguide 4—59248
Petrov, G.V. Analysis and design of microwave-linear transistor amplifiers 4—41593
Petrov, I. *see* Raitchev, R.M. 4—41408, 4—48929
Petrov, I.M. *see* Bashkirov, L.F. 4—57770
Petrov, I.M. *see* Glebov, A.S. 4—46828
Petrov, L.P., Vinakov, A.F., Kheruntsev, P.E. Simulating conditions of quasifrequency control of an electric drive with a single-phase electric motor 4—57024
Petrov, M.G. *see* Slavov, G.G. 4—35722
Petrov, M.P., Belotitskii, V.I. Transfer function of a multilayer magnetooptical space-time light modulator 4—59282
Petrov, M.P., Khomenko, A.V. Physical basis of operation of the PRIZ spatial light modulator 4—42418
Petrov, M.P., Khomenko, A.V., Markahonov, V.I. Implementation of integral transforms by electrooptic spatial light modulations 4—52706
Petrov, M.P. *see* Bryksin, V.V. 4—53113
Petrov, N.S. *see* Boiko, B.B. 4—42595
Petrov, S.I. *see* Lavrov, V.Ya. 4—59691
Petrov, S.R. *see* Bondaletov, V.N. 4—31604
Petrov, S.Ya. *see* Posse, A.V. 4—56570
Petrov, V.I. *see* Glebov, B.N. 4—62788
Petrov, V.N. *see* Aleksandrov, A.A. 4—45305
Petrov, V.P., Labovskii, V.I. Analysis of dynamic properties of a twin-motor drive for winding mechanisms 4—40535
Petrov, Yu.A., Oganes'yants, V.A., Bulatov, Yu.I. Experience in development, introduction and operation of the first phase of an automated system for control of railway transport in Cherepovets integrated iron-and-steel works '50th Anniversary of the USSR 4—35009
Petrova, V.Z., Gan'shin, V.A., Kubrinskaya, M.E. Planar optical waveguides obtained by ion exchange on glass substrates 4—42393
Petrova, V.Z. *see* Gan'shin, V.A. 4—59249
Petrovic, R., Cobeljic, S., Senborn, A. Multicriteria comparison and ranking of local area networks technologies 4—60468

Petrovic, V., Smith, C.N. Reduction of intermodulation distortion by means of modulation feedback 4−38450

Petrovich, V.I. Vibration equipment for checking measuring transducers in the low-frequency band 4−33207

Petrovski, I. *see* Susse, R. 4−35931

Petrovskii, A.N. *see* Gridin, V.A. 4−59611

Petrovskii, G.T. *see* Livshits, V.Ya. 4−42324

Petrovykh, Yu.L. *see* Borovikov, A.A. 4−39474

Petrozello, J.R. High density zero insertion force cam-actuated microconnector system 4−30207

Petrukhin, A.A. *see* Krumshtein, Z.V. 4−49098

Petrukhin, A.I. *see* Amatuni, Ts.A. 4−33768

Petrukhin, A.I. *see* Antipov, Yu.M. 4−61731

Petrun'kin, V.Yu., Vodovatov, I.A., Lipovskii, A.A. Diffraction of light by ultrasound in anisotropic media 4−42873

Petrunkin, V.Yu. *see* Andreev, P.A. 4−42508

Petrunkin, V.Yu. *see* Gusev, A.A. 4−59487

Petrun'kin, V.Yu. *see* Okunev, R.I. 4−37409

Petrus, O. *see* Goras, L. 4−33833

Petrusenko, I.V. *see* Lozyanoy, V.I. 4−30078

Petry, H. SF_6-insulated monophase metal-capsuled pipe gas cable for medium voltage 4−62189

Petry, P.P. Quadrature phase shifter for nonsinusoidal waveforms 4−39954

Petryaev, I.P., Polyakov, V.I., Rodionov, F.V. Small-size 8-MeV microtron for the 3-cm range 4−39374

Petryakov, V.A. *see* Elizarov, A.I. 4−58731

Petryashov, V.I. *see* Reznik, M.M. 4−41718

Petsch, J. Microcomputer controls pulse generator 4−39198

Pettengill, R.C., Haynes, G.A. The SLED/SDL symbolic VLSI design system 4−36752

Pettenpaul, E., Langer, E., Huber, J., Mampe, H., Zimmermann, W. Discrete GaAs microwave devices for satellite TV converter front ends 4−51540

Pettersson, H. *see* Nilsson, G. 4−33859

Pettit, G.D., Woodall, J.M., Wright, S.L., Kirchner, P.D., Freeouf, J.L. The MBE growth of GaAs free of oval defects 4−50766

Pettit, G.S. EMCFA−A computer code to predict intermodulation product interference 4−37627

Pettitt, R.A., Becker, N.M. Mining Earth's heat: development of hot dry rock geothermal reservoirs 4−34459

Petts, C.R. *see* Laycock, L.C. 4−60175

Petty, M. *see* Edgar, G. 4−61188

Petty, M.C. *see* Batey, J. 4−31259, 4−42490

Petty, S., Enos, G., Kessler, R., Swallom, D. MHD generator performance comparisons between coal and ash firing 4−40482

Petty, S.W. Effects of cathode slag polarization on MHD generator performance 4−40484

Petukhov, N.V. Synchronisation conditions of a drive phase system with an unsaturated series-excited motor 4−50126

Petukhov, N.V. *see* Andrushchuk, V.V. 4−62728

Petukhov, V.I., Shablygin, S.V., Baranik, Yu.S. Resonance convertors with current-free switching for supplying microprocessors 4−35627

Petunin, Yu.P. *see* Ivashin, V.V. 4−62549

Petushkov, A.A., Gusev, E.A. Effect of scatter on radiation contrast in X-ray inspection of objects made of light materials 4−35547

Petushkov, A.A. *see* Gusev, E.A. 4−49082

Peuch, B. Sematrans 4848 modem full-duplex two-wire operation at 4800 bit/s 4−54481

Peura, R.A. *see* Jundanian, R.H. 4−44713

Peura, R.A. *see* Shahnarian, A. 4−44714

Peuron, A. *see* D'Aoust, J. 4−42799

Peus, S., Temmer, S.F. Development of a new studio artificial head 4−61145

Peuscher, H.J.F. *see* Veendrick, H.J.M. 4−51236

Peuto, A. *see* Sacconi, A. 4−61551

Peutz, V.M.A., Kok, B.H.M. Speech intelligibility 4−43289

Peuzin, J.C., Olivier, M., Chenevas-Paule, A., Cuchet, R. Optical waveguiding by very thin films of hydrogenated amorphous silicon 4−59228

Peuzin, J.C. *see* Guillot Gauthier, S. 4−30844

Pevchev, V.P. *see* Beruchev, N.G. 4−61603

Pevtsov, V.V. *see* Bikineev, V.A. 4−61707

Pey, J. *see* Cazzaniga, M. 4−49137, 4−49138

Peyghambarian, N. *see* Tai, K. 4−42708

Peyrat, A. *see* Guerin, C. 4−60903

Peyrer, P. *see* Schafer, W. 4−45199

Peyron, F., Doyon, L.R., Hanse, J. Computer analysis of security systems 4−35264

Peyronnenc, M. *see* Ambroise, M. 4−43572

Peyrucat, J.F. Networks for automata: a standard at last 4−38301

Peyrucat, J.-F. Testing with memory emulation for faster diagnostics 4−39027

Peyrucat, J.-F. Proximity detectors. More reliable and smaller 4−55400

Pezoldt, H. Logic simulators for VAX computers 4−35737

Pezzi, G. *see* Bucci, G. 4−35321

Pfaff, G. *see* Encarnacao, J.L. 4−51363

Pfannenstiel, P. *see* Stein, N. 4−33826

Pfannerstill, E. A pattern recognition system for the recognition of motor vehicles 4−38065

Pfannschmidt, H. MATS E−an advanced cellular radio telephone system 4−32708

Pfannschmidt, H. MATS E-A high-capacity cellular radio telephone system 4−60396

Pfannschmidt, H. *see* Grauel, C. 4−38483

Pfautsch, D.A. Transfer proving and custody transfer using insertion turbine flowmeters 4−55766

Pfeffer, E. *see* Baier, H. 4−30489, 4−31955

Pfeifer, F.-G. Cable-TV to houses 4−61051

Pfeifer, T. *see* Komischke, M. 4−55398

Pfeiffer, R., Soldner, K. Ascarel-filled transformers−operational risk or pressure to substitution? 4−34706

Pfeiffer, R. *see* Altmann, G. 4−45483, 4−57132

Pfeiffer, T. *see* Kuhl, J. 4−42455

Pfeiffer, W. Breakdown mechanism and time development of discharges in compressed insulating gases 4−33589

Pfeiffer, W., Wittmer, D. Nanogate−a nanosecond gated image intensifier with high gain and high resolution 4−39064

Pfennings, L.C. *see* Veendrick, H.J.M. 4−51236

Pfestorf, W. *see* Matthes, H. 4−33622

Pfieffer, P., Meyrueis, P. Fiber optic bus with spread spectrum techniques 4−60835

Pfiester, J.R., Shott, J.D., Meindl, J.D. E/D CMOS−a high speed VLSI technology 4−30789

Pfiester, J.R., Shott, J.D., Meindl, J.D. Performance limits of NMOS and CMOS 4−52308

Pfiester, J.R., Shott, J.D., Meindl, J.D. Complementary hybrid MOS technology 4−59040

Pfirsch, D., Schmitter, K.H. Some critical observations on the prospects of fusion power 4−34322

Pfister, G. *see* Guttinger, H. 4−33296

Pfister, G. *see* Vlasak, W. 4−60836

Pfister, G.M. The PBX: what matters, what doesn't 4−54507

Pfister, J.C. *see* Rosencher, E. 4−41912

Pfister, J.-C. *see* Bensahel, D. 4−51762

Pfister, L.T. Teletext−its time has come 4−48137

Pfisterer, F., Bloss, W.H. Development of Cu_2S-CdS thin film solar cells and transfer to industrial production 4−50084

Pfitscher, G.H. A microprocessor control scheme for naturally commutated thyristor converter with variable frequency supply 4−57205

Pfitscher, G.H., Cunha, H., Jr. Microcomputer control of a high-performance stepping motor power supply 4−34703

Pfitscher, G.H. *see* Aubry, J.F. 4−49910

Pfitzenmaier, G. Synthesis of adjustable delay equalizers with fixed delay points 4−30050

Pfitzenmaier, G. A contribution to the realization of adjustable delay equalizers with fixed points 4−35989

Pfitzmann, A. A switched/broadcast ISDN to decrease user observability 4−43913

Pfleckl, F.P. Enhancement of a direct and CCTV surveillance/assessment functions at the perimeter of controlled access sites 4−38847

Pfleiderer, P.M. Headphone acoustics 4−55099

Pfleiderer, P.M. Headphone acoustics. II. Psychoacoustic knowledge in the concert room and living room 4−61131

Pflug, D.R. *see* Schuman, H.K. 4−47694

Pfluger, P. *see* Zeller, H.R. 4−59055

Pflumm, H. *see* Beer, A. 4−61682

Pforr, E.A., Gunther, R.H. Normal form quadratic optimisation using pole-polar theory 4−35405

Pfund, E.T. *see* Durling, G.W. 4−54719

Pfurtscheller, G., Kopruner, V., Martens, W., Declerck, A.C. Computerized classification of epileptic spikes 4−49192

Pfurtscheller, G. *see* Duym, B.W. 4−39511

Phail, F. Electronics in motor vehicles: a driving development 4−57493

Phale, S.S.Amrit *see* Amrit Phale, S.S.

Phaller, L.J. *see* Lynch, J.B. 4−46033

Pham, M.T., Hoffmann, W. Ion-sensitive membranes fabricated by the ion-beam technique 4−55373

Pham, Q.M. *see* Guillouard, G. 4−34988

Pham Ngok Thai Optimization of a controlled-polarization antenna 4−42986

Pham Van, H., Feher, K. TSI-OQPSK for multiple carrier satellite systems 4−53374

Phang, J.C.H., Chan, D.S.H., Phillips, J.R. Accurate analytical method for the extraction of solar cell model parameters 4−40435

Phang, J.C.H., Chan, D.S.H., Wong, Y.K. Comments on the experimental determination of series 4−45654

Phang, J.C.H. *see* Chan, D.S.H. 4−39265

Phani Raj Kumar, K. *see* Chandra Mouly, M.C. 4−37786

Pharaoh, K.I. *see* Fan Xi-Sheng 4−52897

Phelan, M. VCR servicing. XVI 4−38880

Phelan, R.J., Jr., Larson, D.R., Frederick, N.V., Franzen, D.L. Submicrometer interdigital silicon detectors for the measurement of picosecond optical pulses 4−61380

Phelps, K.T. A general product construction for error correcting codes 4−59927

Phelps, R.F., Hurst, G.R., Pennett, J.G., Shafer, J.B. A sequential integrated laboratory program at the US Air Force Academy 4−35185

Phemister, T.G. Three-dimensional electromagnetic fields in lapped stator cores 4−31583

Phile, W.G., Green, D.L., Cole, L.J. Private network integrates data, voice, and video communications 4−43542

Phile, W.G., Stuard, D.H., Green, D.L. Digital videoconferencing 4−48623

Philen, D.L., Gartside, C.H., III, Reents, W.D., Jr., Cham, M.G. Hydrogen induced loss−the impact of cable design 4−52688

Philen, D.L. *see* Anderson, W.T. 4−52655

Philip, S.F. *see* McNamara, J.H. 4−50270

Philipp, H. Basics of logic analysis 4−39029

Philipp, H. Tailor-made logic analysis 4−44473

Philipp, H. Data reduction and selection in practice [logic analysis] 4−44474

Philipp, H. Logic analysers 4−61297

Philipp, H.K. *see* Bonek, E. 4−60839

Philipp, H.K. *see* Scholtz, A.L. 4−60374

Philippe, E.A. *see* Mullani, N.A. 4−33813

Philippow, E. Grundlagen der elektrotechnik (Basics of electrotechnology) 4−57698

Philippow, E., Do Trung Ta Synthesis of 3-fold frequency dividers 4−41532

Philippow, E., Katschan, W. The single swing process in circuits with elements of higher order 4−41147

Philips, J.E. *see* Russell, T.W.F. 4−50100

Phillips, C.A. *see* Petrofsky, J.S. 4−44765, 4−44768, 4−44778, 4−56146

Phillips, C.C., Hughes, A.E., Sibbett, W. Quantitative XPS surface chemical analysis and direct measurement of the temporal response times of glass-bonded NEA GaAs transmission photocathodes 4−52799

Phillips, D. *see* Wichmann, H. 4−33923

Phillips, D.H. Submicron lithography radiation damage in silicon and gallium arsenide ICs 4−36657

Phillips, E.N. Graphs predict attenuator performance 4−58500

Phillips, E.S. *see* Coleman, R.V. 4−36356

Phillips, G.C., Umland, E.A., Mutchler, G.S., Roberts, J.B., Duong-Van, M., Buchanan, J.A., Donahue, J.B., Allred, J.C., Noel, B.W., Mulera, T.A., Aas, B., Mayes, B.W. A novel neutrino detection system 4−39425

Phillips, G.J. Future technical possibilities for satellite distribution 4−48562

Phillips, G.J. Buzzer arrangement for quiz machine 4−51482

Phillips, G.J., Shelswell, P. Satellite broadcasting: system concepts and the television transmission standards for Europe 4−60963

Phillips, G.N. *see* McFarland, S.R. 4−49109

Phillips, G.R.J. Problems in deep sea navigation and practical experience gained using long baseline systems to navigate benthic samplers 4−44179

Phillips, J. Testing codec networks 4−38386

Phillips, J.M., Yashinovitz, C.J. Epitaxial relations in alkaline earth fluoride-semiconductor systems 4−41045

Phillips, J.R. *see* Phang, J.C.H. 4−40435

Phillips, N. *see* Glover, F. 4−50685

Phillips, N.J. Colour reflection holography 4−37477

Phillips, P.D. *see* Richner, H. 4−39708

Phillips, P.E. *see* Brower, D.L. 4−39298

Phillips, R.E., Smith, D.G. A TTL emulation of the RCA CDP-1802 microprocessor 4−58381

Phillips, R.L. *see* Mallette, L.A. 4−48909, 4−50107

Phillips, T. *see* Aprile-Giboni, E. 4−55812

Phillips, T.N. Numerical solution of a coupled pair of elliptic equations from solid state electronics [PIN diodes] 4−30592

Phillips, W. *see* Chinn, J.D. 4−30540

Phuong Ha-Vinh *see* Ha-Vinh Phuong

Pi, W.S. *see* Hwang, C. 4−49364

Piacentini, M. AC power stabilizer with digital controller 4−56410

Pian, C.C.P., Sadovnik, I., McClaine, A.W. Analytical investigations of the effects of cathode nonuniformities on MHD generator characteristics 4−40488

Pian, G., Becker, M., Callegher, E., Fournier, R. Is parallelism useful in order to improve response time of a finite element method? 4−29409

Pianetta, P., Tatchyn, R., Jaeger, R., Barbee, T.W. X-ray lithography station at the Stanford synchrotron radiation laboratory (SSRL) 4−52156

Pianetta, P. *see* Bachrach, R.Z. 4−56044

Pianetta, P. *see* Kania, D.R. 4−42454, 4−55841

Piano, M. *see* Buttafava, P. 4−37019

Piascik, T.M. *see* Jensen, B.K. 4−34332

Piatkowski, T.F. Hardware testing techniques applied to the design of communication protocol systems 4−32458

Piatz, S.J. HSL: a comprehensive hardware design language 4−35590

Piazzoli, A. *see* Chiampi, M. 4−57250

Piazzolla, S. *see* Spano, P. 4−42640

Picandet, J. Why choose a central telephone exchange with temporal switching? 4−54548

Picard, B. *see* Buiguez, F. 4−36663

Picard, R.S. *see* Joseph, P.L. 4—33797
Picardi, A. *see* Gentile, G. 4—52442
Picardi, G. *see* Bicocchi, R. 4—38013
Picardi, G. *see* Bucciarelli, T. 4—60889
Picat, J.P. *see* Fort, B. 4—55226
Piccari, L. *see* Bartolucci, G.C. 4—59261
Picchi, G., Prati, G. Self-orthogonalizing adaptive equalization in the discrete frequency domain 4—47828
Piccirillo, A., Taiariol, F. Dislocation climbing: an important degradation mechanism of III-V optical sources 4—42318
Piccolo, A. *see* Carpinelli, G. 4—57275
Piccolo, E. *see* Ciminiera, L. 4—38141
Picerno, A.H. Shelters for telecommunication equipment 4—38137
Pichard, B. *see* Brand, C. 4—33639
Pichard, G. *see* Meslage, J. 4—52786
Piche, M., Pare, C., Belanger, P.A. Mode locking of a homogeneous gain laser through temporally modulated phase-conjugate reflectivity 4—42510
Picheny, M.A. *see* Bahl, L.R. 4—53546
Pichler, M. Test data acquisition and processing a la carte 4—48696
Pichot, C. *see* Bolomey, J.C. 4—39607, 4—56096
Pichugin, A.P. *see* Gaisak, I.I. 4—49073
Pichugin, A.P. *see* Gornov, M.G. 4—61701
Pichugin, S.Yu. *see* Igoshin, V.I. 4—31331
Pichugin, V.M. *see* Yanovskii, L.P. 4—40076
Picinbono, B., Bouvet, M. Complex white noises and autoregressive signals 4—60051
Picinbono, B. *see* Tacconi, E.J. 4—53706
Pickard, R.M. *see* Garside, J.R. 4—55225
Pickel, E., Schenk, H., Hummeler, A. Steam generator replacement at the Obrigheim nuclear power station 4—40778
Pickel, P.F. *see* Youla, D.C. 4—46060
Picken, F.W. ZX81 background reverse 4—35896
Picken, G., Rinck, T. Electric heat pumps for space heating 4—45762
Pickens, G.A., Leyland, B.W., Duder, J.N. The Aniwhenua hydroelectric scheme 4—62435
Pickering, J.J. *see* McClung, L.B. 4—59087
Pickering, W.M. On the solution of a quasi-tridiagonal system of linear equations 4—46190
Pickersgill, P.J., Stewart, N.J. Pausaid 4—39576
Picket, R.B. *see* McConnell, J.B. 4—48534
Pickett, H.M., Boyd, T.L. Surface current analysis of a corner cube mixer [antenna] 4—37727
Pickett, H.M., Hardy, J.C., Farhoomand, J. Characterization of a dual-mode horn for submillimeter wavelengths 4—37753
Pickett, R.B. *see* McConnell, J.B. 4—38745
Pickren, A.S. *see* Harrison, E.T. 4—43804
Pickren, J.D. *see* Harrison, E.T. 4—43804
Pickup, J.C., Rothwell, D. Technology and the diabetic patient 4—61807
Pickup, P.G., Murray, R.W. Redox conduction: its use in electronic devices 4—47064
Picraux, S.T. *see* Knapp, J.A. 4—30423
Picraux, S.T. *see* Myers, D.R. 4—41947
Picraux, S.T. *see* Speriosu, V.S. 4—51812
Picton, P.D. Comments, with reply, on 'Elimination of redundant operations for a fast Sobel operator' by C.C. Lee 4—60187
Pidgeon, C.R. *see* Prettl, W. 4—59310
Pidhayny, D.D. *see* Lee, C.C. 4—51547
Piechowski, A.P., Bird, G.R. A new family of laser dyes from an old family of fluors 4—47437
Piechowski, A.P. *see* Morel, D.L. 4—50057
Piekaar, E.A. Fighting 'isolation fever': an inexpensive voice-data satellite service for remote locations 4—32742
Piel, H. *see* Grundey, T. 4—55787
Pienkowski, M., Mackowiak, K. Impact of commutation distortions of supply network voltage on operation of saw-tooth voltage generators 4—46379
Pieper, M.K. *see* Beffel, R.R. 4—32585
Pieraccini, R. *see* Cravero, M. 4—43231, 4—59994
Pieransky, P. *see* Adam, M. 4—33553
Pierce, B.L. *see* Morgan, R.E. 4—39662
Pierce, D. Understanding bubble memory testing 4—31043
Pierce, D.T. *see* Feigerle, C.S. 4—36176
Pierce, J.W. *see* Cote, R.E. 4—58558
Pierce, R. *see* Knoerdel, J.E. 4—32175
Pierce, R.D. *see* Krumpelt, M. 4—40429
Pierce, R.E. Fabrication, installation and field test procedures for a pipe-tire floating breakwater 4—61961
Pierce, W.S. *see* Rosenberg, G. 4—49312
Pierobon, G.L. Codes for zero spectral density at zero frequency 4—43114
Pierpoint, W. *see* Brackett, W.E. 4—57531
Pierquin, B. *see* Dutreix, A. 4—44770
Pierre, C.St. *see* St. Pierre, C.
Pierre, E. The principles of reliability planning and their applicability in the work of the CCITT 4—43583
Pierre, L. Zener diodes: effectual for stabilizing a DC voltage. [lighting circuits] 4—41196
Pierre, L. Zener diode in voltage stabilisation: verification tests 4—52055
Pierrehumbert, J.B. *see* Anderson, M.D. 4—53502
Pierrel, J.M. *see* Carbonell, N. 4—53572
Pierret, R.F., Lundstrom, M.S. Correspondence between MOS and modulation-doped structures 4—36347
Pierret, R.F. *see* Martin, S.J. 4—30933
Pierret, R.F. *see* Schwartz, S.S. 4—59116
Pierri, R. *see* D'Elia, G. 4—31799, 4—37712
Pierro, J. *see* Cappello, A. 4—36044
Pierson, R. A comparison of electrical insulation degradation from various chemical sprays in loss of coolant accident (LOCA) environments 4—36939
Pierson, R.K., Clemons, R.W. Controlling the quality of replacement parts in nuclear station, Class 1E equipment 4—34345
Pierson, R.L., Jr. *see* Sovero, E.A. 4—30013
Pierson, W.J., Jr., Sylvester, W.B., Salfi, R.E. Synoptic scale wind field properties from the Seasat SASS 4—61927
Pierzchala, M. Corrected gain formulas 4—46568
Piesch, E., Burgkhardt, B. Environmental monitoring. European interlaboratory test programme for integrating dosemeter systems 4—61842
Piesch, E., Jasiak, J., Urban, M. Makrofol and CR-39 recoil track etch detectors as a supplement of a universal albedo neutron dosemeter 4—55923
Piesch, E. *see* Urban, M. 4—55893
Piesch, E.K.A. *see* Hassib, G.M. 4—55913
Piesniewski, J. A pneumatic system for non-contact length measurements 4—61538
Piessens, R. A series expansion for the first positive zero of the Bessel functions 4—29323
Piessens, R., Branders, M. Computation of Fourier transform integrals using Chebyshev series expansions 4—35422
Piestrup, M.A. *see* Sheppard, J.C. 4—59716
Pietkiewicz, S. *see* Moore, S. 4—58400
Pietra, G.De *see* De Pietra, G.
Pietrzak-David, M. *see* de Fornel, B. 4—49886
Pietrzyk, R. *see* Gutowski, M. 4—43891
Pietrzykowski, J. Conductor harnessing 4—41641
Pifer, G.C. *see* Chang, M.F. 4—36619
Pigache, D., Bonnet, J., David, D. A short pulse secondary emission electron gun for high pressure gas lasers and plasma chemical reactors 4—51698
Pigeon, J. *see* Meunier, J.P. 4—42365, 4—47274
Pigeon, M. *see* Groves, C. 4—59045
Pigeyre, A.L. *see* Gousty, Y.L. 4—29185
Pignastii, S.S. Influence of skin effect on current excitation in a large single winding solenoid of rectangular shape 4—59725
Pigott, B.R., Giles, R. Development of a distributed MPU system [for fire detection] 4—35251
Pigott, G.M. *see* Lopez-Gavito, L. 4—40604
Piguet, C., Zahnd, J., Stauffer, A., Bertarionne, M. A metal-oriented layout structure for CMOS logic 4—51132
Pihlgren, J.G. Unexplainable breakdowns 4—35239
Pihlstrom, B.G. *see* Rocca, J.J. 4—52892
Piila, T. *see* Leppavuori, S. 4—48834
Pijolat, C. *see* Lalauze, R. 4—51789
Pikarnikov, V.P., Skvorov, L.I., Smirnov, V.M. Harmonic distortion of digital data in fiber optic junctions 4—60869
Pike, P. Lincoln Tel tackles first lightguide job [fibre optics system installation] 4—44131
Pikhtelev, A.I. *see* Zobkov, S.N. 4—36004
Pikhtelev, R.N. *see* Aleksanyan, A.S. 4—39495
Pikielny, J. Determination of target angular position in passive interference environment 4—48499
Pikus, G.E. *see* Ivchenko, E.L. 4—46790
Pilarski, A., Szelionzek, J. Using the acoustic-emission method in strength tests of adhesive bonded structures 4—58098
Pilath, K. The temperature dependence of PbS detectors and the selection of a favourable working point from this aspect 4—48907
Pilati, L. *see* Belforte, P. 4—43869
Pil'ch, M.L. *see* Bryantsev, A.M. 4—39868
Pileggi, D.J. *see* Cyganski, D. 4—34231
Pileggi, D.J. *see* Emanuel, A.E. 4—62171
Pileggi, D.J. *see* Orr, J.A. 4—56606
Pilger, W.W. *see* Askew, J.C. 4—35284
Pilgrim, D.B. *see* Webber, I. 4—29211
Pilin, B.P., Shapovalov, V.I., Roldugina, Z.I., Bykov, V.A. Test stand for acoustic-emission studies of hollow objects 4—35556
Pilinskii, V.V., Temnikov, V.A. Transience of circuit-noise suppressing filters during measurements in controlled conditions 4—41443
Pilinskii, V.V. *see* Temnikov, V.A. 4—42888
Pilipchuk, N.I. Error statistics in communications systems with delta modulation and differential pulse-code modulation 4—37798
Pilipchuk, N.I. Noise immunity of data transmission systems which use pulse code modulation (survey) 4—53378
Pilipenko, G.S., Boiko, Yu.V., Khudolii, N.G., Podolyako, N.V., Turpitko, I.V., Serbin, Yu.V. Strain gauge weighscales for weighing scrap when charging electric arc furnaces 4—61555
Pilipenko, V.S. *see* Pomerantsev, V.V. 4—33726
Pilipetskii, N.F., Popovichev, V.I., Ragul'skii, V.V. Angular distribution of the noise component of light scattered in a stimulated process 4—42711
Pilipetsky, N.F. *see* Mamaev, A.V. 4—53060
Pilipko, D.D., Romanyuk, V.F., Smirnov, E.N. Measuring Q and tuning of oscillatory systems 4—55363
Piliposyan, S.E. *see* Kazaryan, G.Kh. 4—61697
Pilipovich, V.A., Ivlev, G.D., Zhidkov, V.V., Malevich, V.L. Pyrometric measurement of the temperature of silicon during nanosecond laser annealing 4—36259
Pilkington, T.C., Morrow, M.N. Error analysis in forward electrocardiographic problems 4—49206
Pillai, A.S., Hackam, R. Electric field distribution at solid insulator-vacuum (or gaseous) interface of different electrode-insulator geometries 4—31574
Pillai, A.S., Hackam, R. Surface flashover of conical insulators in vacuum 4—59064
Pillai, K.K. Off-design performance of combined cycle power plant utilising pressurised fluidised bed coal combustors 4—34435
Pillai, N.R., Crossley, L.E., Cho, C.H. The extensive use of a microprocessor based programmable controller in a fossil fired generating station 4—34446
Pillai, P.K.C., Navneet Study of the optoelectronic properties of HgS:Cd(S,Se):Cu mixed system for electrophotographic applications 4—31216
Pillai, P.K.C., Navneet Study of the photoelectret state in HgS/Cd (S,Se): Cu mixed binder layer system for its application in PIP electrophotography 4—57653
Pillai, S.M., Vallabhan, C.P.G. A study of the electroluminescence spectrum of CaS:Er phosphor and the energy level splitting in Er^{3+} ions 4—37208
Pillat, P. *see* Badelt, W. 4—57583
Piller, O. Introduction to electrical measurements 4—33391
Piller, O. An introduction to electrical metering techniques 4—39235
Piller, O. An introduction to electrical measuring techniques 4—39257
Piller, O. Introduction to electrical measurement technology. II 4—44565
Piller, O. Introduction to electrical measuring techniques. V 4—61473
Piller, O. *see* Beer, W. 4—49102
Piller, U. Design of microcomputer-controlled products. II. Specification with syntax diagrams 4—50473
Piller, U. *see* Nuchel, W. 4—50472
Piller, W. Energy supply policy for rural areas 4—44990
Piller, W. *see* Huttenloher, D. 4—45753
Pillis, J.de *see* de Pillis, J.
Pillmeier, R.J. In-building signal correlation for an urban environment 4—60731
Pilon, P.J., Lowe, R.S. Displacement monitor for use in the characterization of single-mode fibers 4—59188
Pilost, D. *see* Bigo, F. 4—47980
Pilost, D. *see* Cukier, M. 4—54489
Pilyugin, V.I. *see* Kopach, E.N. 4—39812
Pilz, S. *see* Buchner, U. 4—36655
Pimbley, J.M., Gildenblat, G., Hsu, F.-C. Comments on 'Structure-enhanced MOSFET degradation due to hot-electron injection' [and reply] 4—52117
Pimenov, A.S. *see* Zharikov, E.V. 4—42603
Pimenov, L.A. *see* Vladimirov, L.V. 4—33802
Pimentel, G.C. *see* Xue-Feng Yang 4—52902
Pimkin, A.Ya. *see* Pashchenko, V.P. 4—29543
Pimlott, R.M., Gibson, J.M., Brown, I.T., Kennard, C. A new ambulatory monitoring system for tremor 4—33791
Pimz, G. *see* Madash-Dobler, M. 4—56422
Pin-zhong Du *see* Du Pin-zhong
Pinchuk, A.P. A self-balancing angle digitizer 4—55366
Pinchuk, G.A., Stotskii, A.A. Use of radioholography to test the RATAN-600 radio telescope 4—54923
Pinchuk, G.A. *see* Golosova, S.Ya. 4—32886
Pinciroli, F. Graphic techniques and derived sequences for the observation of R-R interval values 4—49259
Pinciroli, F., Moody, G.B. Remarks on sequences of ratios of R-R intervals 4—49261
Pinciroli, F. *see* Oldano, G. 4—56120
Pincosy, P.A. *see* Leung, K.N. 4—58681
Pinczuk, A., Shah, J., Miller, R.C., Gossard, A.C., Wiegmann, W. Optical processes of 2D electron plasma in GaAs-(AlGa)As heterostructures 4—41878
Pindera, G. Combined commutation in a discrete positioning drive with a stepped reluctance motor 4—49915
Pineau, G. *see* Morin, P. 4—30248
Pinet, A. *see* Deschamps, L. 4—56630
Pinet, A. *see* Parasie, Y. 4—56624
Ping Peng Nonlinearity and sensitivity of the strain gauge pressure transducer 4—55379
Ping Xie *see* Xie Ping
Ping Zhang Jing *see* Jing Ping Zhang
Ping-Shen Song *see* Mien-Win Wu 4—33618
Pinglier, A. Direct television broadcast satellite system European TV network plan 4—38584

Pinglier, A. European cooperation in the field of telecommunications satellites: the European Space Agency OTS/ECS and L-SAT programmes 4—60796
Pingrey, D.W. *see* LeBlanc, B.S. 4—49777
Pingry, J. Widening communications environments spark innovation in modems 4—38361
Pingry, J. Local area networking becomes a standard feature 4—48216
Pinizzotto, R.F. A review of silicon-on-insulator formation by oxygen ion implantation 4—41959
Pinkerton, F.E. *see* Croat, J.J. 4—31033
Pinkerton, F.E. *see* Herbst, J.F. 4—30943
Pinkola, J. *see* Hajdu, I. 4—51632
Pinkola, J. *see* Toth, E. 4—51633
Pinneker, V.E., Buksha, Yu.K. On increasing the reliability of emergency shutdown cooling of the BN-600 unit during shutdown 4—39998
Pinnell, M.C. Validity checking of grey-scale image data on an electrochromic display 4—33160
Pinnell, M.C. *see* Minshull, J.F. 4—33162, 4—33163
Pinnell, R. *see* McFee, J.E. 4—48726
Pinnello, J.A., Naumann, S.T. Review of an underfrequency protection scheme using a large transient stability computer program 4—49643
Pinnington, E.H. *see* Ansbacher, W. 4—49055
Pinnow, D.A. Selection of fiber-optical waveguide materials 4—37148
Pinnow, D.A. Holographic non-destructive testing: aiding mechanical design 4—58076
Pinol, M. *see* Antuenz, F. 4—49254
Pinsard, H. *see* Collin, C. 4—54633
Pinsker, M.S., Sofman, L.B. Entropy characteristics and linear approximations for a homogeneous Gaussian field 4—43026
Pinsker, M.S. *see* Golubev, G.K. 4—60035
Pinskii, G.B., Gorenbukh, I.L. Calculation of hydroelectric generator drying 4—40151
Pinson, J.T. *see* Hulme, K.F. 4—52725
Pinson, L.J. Imaging systems for robotics applications 4—52698
Pinson, L.J. Robot vision: an evaluation of imaging sensors 4—55234
Pintchovski, F. *see* Alvarez, A.R. 4—52273
Pintelon, R., Barel, A., Renneboog, J. Measurement of quick varying temperature of electrical conductors under heavy short-circuit excitation 4—56612
Pinter, I., Kleparski, V.G. Two kinds of instability during domain nucleation 4—37003
Pinter, J. *see* Baumberger, J.G. 4—58577
Pinter, R.Y. *see* LaPaugh, A.S. 4—36772
Pinterics, Z. *see* Zelenyanszky, E. 4—53136
Pinto, J.R.Caldas *see* Caldas Pinto, J.R.
Pinto, L.M.V. Continuous earthing conductors and equipotential connections: their interest, use and design 4—56660
Pinto, L.M.V. Analysis of systems for indirect contact protection: TN system—evaluation of possible contact voltages 4—62224
Pinto, L.M.Vilela *see* Vilela Pinto, L.M.
Pinto Sa, J.L. *see* Sucena Paiva, J.P. 4—34724
Pints, G. *see* Madash-Dobler, M. 4—56405
Pinxiang Lin *see* Lin Pinxiang
Piotrowicz, J., Pospieszna, J. Influence of overvoltages on inception of sustained discharges in laminar insulation: polyester foil—liquid nitrogen 4—30866
Piotrowski, A., Gill, R.L., McDonald, D.C. A new TRISTAN thermal ion source 4—55805
Piotrowski, A.J. iAPX 432 system 4—41381
Piotrowski, A.P. *see* Maly, W. 4—36791
Piotrowski, J. Dispersion in fin-lines 4—53251
Piotrowski, J. *see* Jozwikowski, K. 4—59309
Piotrzkowski, R. Pressure study of photoconductivity in indium antimonide. I. Low-concentration n-type at 77K. Pressure-dependent capture coefficient of a hole-trapping center 4—51781
Piovesan, B. 512 Kbit EPROM: economically addressable through page organisation 4—58303
Pipe, G.R. Transborder data flow: main issues, trends and impacts on international business 4—60546
Pipe, G.R. *see* Rada, J.F. *(editor)* 4—57716
Piper, J.A. *see* Duarte, F.J. 4—37334, 4—37337
Pipinys, P., Rimeika, A. Temperature dependence of the dark current and photocurrent in cadmium sulfide placed in a strong electric field 4—58735
Piqueras, J. *see* Garrido, J. 4—50778
Piran, M. Accumulation of nuclear spent fuel from UK power stations 4—56740
Piran, M., Murgatroyd, W. Fuelling costs of nuclear reactors: a comparison of CANDU versus PWR nuclear fuel cycle costs using UK data 4—34333
Pirani, G., Zingarelli, V. An analytical formula for the design of quadrature mirror filters 4—53622
Pirani, G. *see* Canavesio, F. 4—32716
Piredda, G. *see* Bizzarri, R. 4—55976
Piret, P. Multiple-word correcting convolutional codes 4—37871
Piret, P. Binary codes for compound channels 4—43143
Piret, P. *see* Davio, M. 4—53436
Piretta, G. *see* Chiariglione, L. 4—43091
Pirie, K., Bendell, A. Optimum component switching for systems that operate and idle 4—57885
Pirie, P. Problems with AC mains—causes and cures 4—31681
Piriou, F., Razek, A. Calculation of saturated inductances for numerical simulation of synchronous machines 4—34611
Piriou, F. *see* Kazdaghli, A. 4—57398
Piro, R. *see* Sporck, F. 4—58282
Pirog, S. Static compensator of reactive loads 4—34748
Pirogov, A.I. *see* Krokhin, V.V. 4—37520
Pirogov, V.V. *see* Yakubaitis, E.A. 4—43726
Pirrung, J. *see* Muller, W. 4—58053
Pirrung, J.M. *see* Turos, A. 4—51798
Pirsch, P. Source encoding of video signals. IV 4—31870
Pirsch, P. Source encoding of picture signals. V 4—43119
Pirsch, P. Communication techniques. VI. Source coding of picture signals 4—47911
Pirsch, P. Source coding of visual signals 4—53400
Pirsch, P. Video codec for broadband communication 4—54458
Pirsch, P. Telecommunication technology. VI. Source coding of video signals 4—59941
Pisarek, J. *see* Bachmacz, W. 4—33468
Pisarenko, V.V. *see* Chudutov, Yu.V. 4—55431
Pisarevskaya, S.A. *see* Barannikov, A.L. 4—37497
Pischel, B., Assa, J., Granzer, F. Tracks of heavy ions in evaporated AgCl films 4—49091
Pisharody, M. *see* Baker, S.I. 4—33727
Pisharoty, P.R. Introduction to remote sensing 4—61896
Pishchikov, S.I. *see* Blitshtein, A.A. 4—45669
Pishchikov, V.I. *see* Blitshtein, A.A. 4—45669
Pishchikov, V.I. *see* Zezyul'kin, G.G. 4—57155
Piskar, R. Reliability of communication between near and distant module of digital system ISKRA 2000 4—32187
Piskarev, V.A. *see* Filanovsky, I.M. 4—35685, 4—51025, 4—58218
Piskarskas, A. *see* Bareika, B. 4—42716
Piskunov, D.K. *see* Efimenko, V.M. 4—59147
Piskunov, E.M. *see* Musikhin, R.N. 4—62329
Pispyak, Yu.V. *see* Vetokhin, S.S. 4—46779
Pistoia, A.Del *see* Del Pistoia, A.
Pistoia, G., Panero, S., Tocci, M., Moshtev, R.V., Manev, V. Solid solutions $Li_{1+x}V_3O_8$ as cathodes for high rate secondary Li batteries 4—62692
Pistoia, G. *see* Manev, V. 4—57326
Pistoulet, B. *see* Tedenac, J.C. 4—36307
Pistre, J.-D. *see* Zardini, C. 4—30232
Pistun, E.P. Gas flow measurement by the variable pressure-drop method 4—55753
Piszker, L.D. *see* Gulacsik, C. 4—39294
Pitacco, G. *see* De Giorgi, M. 4—55294
Pitcairn, D.R., Nakayama, C.E. Developing weld overlays for BWR pipe crack repairs 4—56777
Pitchai, R. *see* Selvapathy, T.P. 4—56337
Pitcher, D. The changing face of telecommunications 4—54052
Pitchford, L.C. *see* Woodworth, J.R. 4—62664
Pitchumani, V., Stabler, E.P. An inductive assertion method for hardware design verification 4—51181
Pitchumani, V. *see* Kishimoto, Z. 4—52247
Pithan, H., Crombach, U. Small computers as a working aid in the maintenance of street lighting system 4—57524
Pitkaaho, R. Circular polarizer in a circular waveguide 4—42895
Pitman, D. *see* Ushida, N. 4—56030
Pitman, L.C. *see* Dallos, A. 4—39348
Pitt, C.W. Use of thin films in optical waveguiding devices—a case study 4—42403
Pitt, C.W., Grunfeld, F. Organic thin films in integrated optics 4—37160
Pitt, K. The role of hybrids in semi-custom production 4—58646
Pitt, K. *see* Adie, G. 4—41730
Pitt, M.G. *see* McMahon, R.A. 4—41939
Pitt, N.J., Marshall, A. Long-term loss stability of single-mode optical fibres exposed to hydrogen 4—42349
Pitt, N.J., Marshall, A. Prediction of long term loss increase in single-mode optical fibres exposed to hydrogen 4—52685
Pitt, N.J. *see* Marshall, A. 4—52683
Pittar, J. *see* Black, G.W. 4—58305
Pittavino, M. Remote security: 22 suggestions for a less rigid use 4—54468
Pitteloud, J. Telepac: why, and with what equipment, should one be connected to Telepac? 4—32499
Pitterle, W.J., Riddle, S.T. Corona arc generator for use with an electrophotographic printer or copier 4—35099
Pittman, S. *see* Sovero, E.A. 4—30013
Pittson, R.W. *see* Aitken, D.W. 4—41728
Pitzalis, O., Jr. *see* Matthews, D.S. 4—58546
Pivac, B. *see* Persin, M. 4—58770
Pivec, A., Radimer, B.M., Hyman, E.A., Baum, M., Grefe, G. The battery energy storage test (BEST) facility—first year of operation 4—40518
Pivirotto, T.J. *see* Dixon, T.H. 4—44903
Pivovarov, B.L. *see* Egorov, Yu.P. 4—33480
Pivrnec, M., Kahoun, V. Air, hydraulic and thermal characteristics of transformer cooler for Skoda electric locomotives 4—49926
Pivtorak, V.A. *see* Lobanov, L.M. 4—44621
Piwonski, W. Mass memory techniques development trends [magnetic discs and tapes technology] 4—42242
Pizer, S.M. *see* Austin, J.D. 4—61782
Pizzini, S. Solar grade silicon versus electronic grade silicon for photovoltaic applications 4—34886
Pizzini, S. Polycrystalline silicon as against amorphous silicon for photovoltaic applications: a subject for speculation and a challenge for the late 1980s 4—50097
Pizziolo, G. *see* Alberigi Quaranta, A. 4—33715
Pizzo, A.Del *see* Del Pizzo, A.
Plachkova, S.K. Thermoelectric figure of merit of the system $(GeTe)_{1-x}(AgSbTe_2)_x$ 4—41855
Plachkova, S.K., Odin, I.N. Electrophysical properties of solid solutions based on germanium telluride in the GeTe-$AgSbTe_2$ system 4—30380
Plag, K.F. *see* Roberts, R.O. 4—49435
Plakhotnyi, V.P. *see* Kul'chitskii, V.L. 4—31223
Plamondon, R., Brault, J.-J. A system for signature analysis and verification based on an accelerometer pen 4—38098
Plamondon, R., Gagne, S. Studies on electroosmotic effects in glass microelectrodes—improvement of microelectrode selection 4—49200
Plamondon, R., Gagne, S., Poussart, D.J.M. Power spectrum density analysis of electrical noise in glass microelectrodes 4—44707
Planat, M. Surface wave propagation with finite amplitude: resonators and convolvers 4—42222
Planat, M., Gautier, H., Maerfeld, C. Calculation of the figure of merit of piezoelectric waveguide convolvers 4—52431
Planche, R. *see* Genon, A. 4—45544
Plant, D.F. Build a mobile and portable utility box [radio equipment] 4—60688
Plant, W.J. *see* Schuler, D.L. 4—56319
Plantee, M. *see* Bouzinac, J.P. 4—53018
Plantegenest, M.-T. *see* Roosen, G. 4—31506
Plasek, P. Determination of distance of illuminating units of a decentralised illumination system for illumination of outdoor railway premises 4—50205
Plass, D.W., Scheuerlein, R.E., Tamlyn, R., Walker, W.W. Load isolator [FET dynamic RAM performance improvement applications] 4—35801
Plassche, R.J.van de *see* van de Plassche, R.J.
Plastow, R., Carter, A.C., Darby, D.B., Williams, P.J., Goodfellow, R.C. Low-threshold multiple-cavity longitudinal-mode stabilized buried heterostructure lasers 4—52994
Plate, J. Automatic dialling—quite easy 4—60386
Platel, G. *see* Galand, C. 4—53562
Platen, W. *see* Thoren, W. 4—51785
Platonenko, V.T., Traunukhin, V.D. Coherent amplification of light pulses in media with a discrete spectrum 4—42552
Platov, A.V. *see* Molchanov, A.G. 4—37304
Platte, W. Cutoff-taper performance of substrate-edge excited optoelectronic switches 4—30094
Platte, W. Visual indication of locally varying photoconductivity 4—42456
Platte, W., Glockler, R., Brand, H. GaAs-loaded metal waveguide components for high-speed low-VSWR optoelectronic millimetre-wave switching 4—46607
Plattner, H. *see* Noel, J.-P. 4—46971
Platunov, A.E., Porotov, V.N., Skorubskii, V.I., Poroshin, A.N. Use of microprocessor control in complex measurement units 4—39040
Platz, O. A Markov model for common-cause failures 4—57868
Platz, P. *see* Bombarda, F. 4—55827
Plavan, E.D. *see* Kuz'Min, I.V. 4—40823
Plavka, J. *see* Kobzova, D. 4—45475
Plecenik, R.M. *see* Green, D.C. 4—50814
Pleibel, W. *see* Stolen, R.H. 4—52577
Pleininger, G. *see* Graf, F. 4—47438
Plemmons, R.J. *see* Harrod, W.J. 4—40918
Plenge, G. Electroacoustic recording and reproduction methods 4—61147
Plenge, G. *see* Thomas, M. 4—44206
Plesher, M.S. *see* Schiffer, S.F. 4—40403
Pleshko, A.P. Shaker with plane circular motion of the table: description and polar diagrams 4—55419
Pleshkova, T.A., Ragozin, A.A. Features of the excitation regulation of synchronous turbogenerators with two-axis excitation 4—62510
Pleskov, Yu.V. *see* Gurevich, Yu.Ya. 4—46900
Pless, V. *see* Favor, F. 4—43176
Plessner, K.W., Slaughter, R.J. The physics of optical fibres 4—52587
Plessner, K.W., Stannard-Powell, S.J. Attenuation/time relation for OH formation in optical fibres exposed to H_2 4—31105
Plessner, K.W. *see* Stannard-Powell, S.J. 4—52684, 4—54843

Pletneva, N.I., Morichev, I.E., Vladimirov, F.L., Basyaeva, L.I. Spatial and temporal light modulator based on a photoconductor-liquid crystal structure with a glass fiber component 4—31192
Pletneva, T.G., Rozorinov, G.N., Eidel'man, S.D. Algorithms for calculating the energy spectra of random pulse processes 4—53340
Plettner, B. The position of the electrical engineering industry in Europe 4—45827
Pletyushkin, V.A. *see* Aleksandrov, A.F. 4—30259
Plewako, J. Power demand for hospitals and reliability of electric energy supply for them 4—44792
Plewako, J. Power consumption coefficients in hospital management 4—45087
Plewnia, A. *see* Schuster, H.J. 4—43817
Plewnia, M. Economic comparison of heating systems 4—40617
Plice, W.A. Circuit simulation applied to fault diagnosis 4—33146
Plichkin, M.G. *see* Zheltov, K.A. 4—33754
Plinski, E.F., Abramski, K.M. Opto-voltaic representation of a gain profile in a CW CO_2 laser 4—47417
Pliskin, J.S. *see* Ronen, B. 4—44781
Plitnikas, A. *see* Krotkus, A. 4—46837
Ploger, G., Bernnat, W., Unger, H., Worner, A. General investigation of the reactivity behaviour of high-temperature gas-cooled reactors under hypothetical accident conditions 4—40021
Ploger, G., Schmidt, F., Unger, H. Mathematical treatment of the spatial fission product behavior within the pebble bed of high-temperature reactors 4—40022
Plokhii, T.G. *see* Lyapin, E.A. 4—40000
Plokhov, Yu.P. *see* Shcherbakov, V.T. 4—35540
Plomgren, D. *see* Kalish, R. 4—58359
Plonka, L. Normal pressure on pressure measurements of liquids and gases 4—44647
Plonsey, R. *see* Liebman, J. 4—49204
Ploog, K. *see* Dambkes, H. 4—51823
Ploog, K. *see* Englert, Th. 4—51837
Ploog, K. *see* Kunzel, H. 4—36310
Ploog, K. *see* Loreck, L. 4—36623
Ploog, K. *see* Obloh, H. 4—51839
Ploog, K. *see* Zeller, Ch. 4—58783
Ploss, W. *see* Elschner, H. 4—30643
Plotkin, E. *see* Kazovsky, L. 4—37947
Plotkin, E. *see* Swamy, M.N.S. 4—35947, 4—53742, 4—53745
Plotkin, E.I., Roytman, L.M., Swamy, M.N.S. Unbiased estimation of an initial phase 4—60044
Plotkin, E.I., Zeyezdny, A.M., Roytman, L.M., Swamy, M.N.S. Simulation of modulated signals 4—47733
Plotnichenko, V.G., Sysoev, V.K., Firsov, I.G. Cesium iodide—promising material for fiber lightguides designed to operate in the visible and infrared spectral regions 4—37086
Plotnichenko, V.G. *see* Bagrov, A.M. 4—31147
Plotnikov, V.S. *see* Plotnikova, G.A. 4—50858
Plotnikova, G.A., Plotnikov, V.S. Combining eddy-current and thermoelectric methods in grading of steels 4—50858
Plotnikova, T.V. *see* Blotskii, N.N. 4—62518
Plourde, J.K. *see* Demarest, K. 4—37827
Plumacher, N. *see* Grabler, G. 4—45290
Plumb, I.C., Cook, D.C., Haydon, S.C. Laboratory investigations of pulsed RF plasmas relevant to CW arc pluming at high-power aerials. I. Critical breakdown under pulsed RF conditions 4—37767
Plumb, R.G. *see* Sim, S.P. 4—42653
Plume, T., Murray, D. Mobile communications for service engineers 4—44009
Plummer, C. Simple top-band receiver 4—43987
Plummer, C. An RTTY speed changer 4—60421
Plummer, E.W. *see* Chen, C.T. 4—56046
Plummer, J.D. *see* Akinwande, A.I. 4—51881
Plummer, J.D. *see* Bronner, G.B. 4—30568
Plummer, J.D. *see* Goodwin, S.H. 4—30754, 4—47082
Plummer, J.D. *see* Ho, C.P. 4—30798
Plummer, M.J. *see* Ward, R. 4—36665
Plunkett, A.B., Kliman, G.B., Boyle, M.J. Digital techniques in the evaluation of high efficiency induction motors for inverter drives 4—57419
Plunkett, J.J., Dale, B.G. Quality costing: a study in the pressure-vessel fabrication section of the process plant industry 4—45994
Plunkett, M. *see* Araktingi, Y.E. 4—36143
Pluss, E. *see* Boegli, J.-P. 4—43884
Pluyms, R. *see* Peelen, J. 4—52644
Plyaskin, B.G. *see* Volkov, A.S. 4—30421
Plyaskin, V. *see* Arefiev, A. 4—55843
Plyaskin, V. *see* Artemiev, V. 4—61684
Plyushch, N.P. *see* Gavrilov, B.M. 4—55329
Poate, J.M. *see* Thompson, M.O. 4—46915
Poberii, V.V. *see* Alasheev, A.E. 4—43745
Pobol', O.N. Determination of acoustic power levels of machines under service conditions 4—55776
Pobudzin, M., Skolimowski, S., Ugniewski, Z. Signalling in telephone subscriber lines 4—32514
Pocha, J.J. Mission and system analyses for satellites with unified bi-propellant propulsion systems 4—39677
Pocha, M.D. *see* Balch, J.W. 4—58249
Pocholle, J.P. *see* Auge, J. 4—47280
Pocholle, J.P. *see* Ayral, J.L. 4—37449
Pocholle, J.-P. Characteristics of guided propagation in single-mode optical fibres 4—47278
Pocholle, J.-P., Raffy, J., Papuchon, M. Analysis of chromatic dispersion in optical fibres 4—47282
Pocholle, J.-P. *see* Ayral, J.-L. 4—47283
Pochop, C.G. *see* Marmillion, N.P. 4—58845
Pochuyev, S.I. Synthesis of a quasi-optimal instrument for measuring the angular coordinates of a point signal source 4—33483
Pocksteiner, E. *see* Gold, A. 4—45140
Pocock, D.N. *see* Bahraman, A. 4—39081
Pocta, S. Automatic control of operational temperature sensors 4—55170
Pocwiardowski, W. Measurements of partial discharges in medium voltage cables 4—45121
Podaruev, A.I. *see* Reizin, V.L. 4—40072
Podbielska, H. On a possible application of one-step pseudoscopic rainbow holography to interferometric examination of phase objects 4—31516
Podbielska, H., Kasprzak, H. Recording of the pseudo- and orthoscopic images of the same resolution in one hologram by using the rainbow holography technique 4—31521
Podbielska, H. *see* Kasprzak, H. 4—37489
Podczerwinski, C.A. Nuclear piping design, pipe support design and engineering during installation 4—49678
Podell, A.F. Monolithic microwave front ends find applications niche 4—42168
Podgornyi, V.I. Limitation of the thermionic-emission current of certain single crystals by a barrier at the interface with a metal substrate 4—36180
Podgorsak, E.B. *see* Fallone, B.G. 4—49177
Podgorski, A.S., Collins, M.M.C. The electromagnetic interference in an HV laboratory 4—59810
Podhorsky, M. The computer key points in the design and stability related layout of a feed heating train 4—34373
Podkovyrin, S.I. *see* Gazarov, V.M. 4—51510
Podlaskin, B.G. *see* Berkovskaya, K.F. 4—55493
Podlazov, L.N. *see* Lyapin, E.A. 4—40000
Podolski, M. *see* Macfarlane, P.W. 4—49278
Podol'skii, V.V. *see* Drozdov, Yu.N. 4—37194
Podolyako, N.V. *see* Pilipenko, G.S. 4—61555
Poduje, J. *see* Strbuncelj, Z. 4—56942
Podunaev, G.A. *see* Lidak, V.Yu. 4—46407
Podvysotskii, Yu.S. *see* Ermuizha, A.A. 4—43485
Podvysotskii, Yu.S. *see* Kalnykov, A.V. 4—43486
Podvysotskii, Yu.S. *see* Yakubaitis, E.A. 4—43726
Pod'yachev, S.P. *see* Barkan, I.B. 4—42739
Pod'yachev, V.N. *see* Davydov, V.E. 4—45170
Podzimek, O., Rozprim, J. Drives with linear stepping motors for accurate positioning mechanics 4—62717
Poe, G.D. *see* Soderstrand, M.A. 4—60074
Poeata, A. *see* Georgescu, G. 4—34163
Poeata, N. *see* Georgescu, G. 4—34163
Poedinchuk, A.E. *see* Koshparenok, V.N. 4—58511
Poel, A.A.van der *see* van der Poel, A.A.
Poel, J.A.van de *see* van de Poel, J.A.
Poelman, A.J., Guy, J.R.F. Multinotch logic-product polarisation suppression filters. A typical design example and its performance in a rain clutter environment 4—44164
Poelman, A.J., Guy, J.R.F. Nonlinear polarisation-vector translation in radar systems: a promising concept for real-time polarisation-vector signal processing via a single-notch polarisation suppression filter 4—53631
Poetsch, D. FDL 60—an advanced film scanning system 4—30775
Poffenberger, P.R. *see* Olin, A. 4—55823
Pogany, L. *see* El-Shabasy, M. 4—50849
Pogany, L. *see* Zentai, Gy. 4—29540
Pogarskii, S.A. *see* Litvinenko, L.N. 4—41543
Poggio, A.A. *see* Sacham, N. 4—32083
Pogibel'skii, A.P. *see* Deryugin, I.A. 4—37181
Pogorzelski, R.J. Comments on 'A new integration algorithm and its application to the analysis of symmetrical Cassegrain microwave antennas' 4—47688
Pogorzelski, R.J. Correction to 'A new integration algorithm and its application to the analysis of symmetrical Cassegrain microwave antennas' 4—53290
Pogorzelski, R.J. On the numerical analysis of the subreflector of an offset Cassegrain microwave antenna 4—53321
Pogossian, A.K. *see* Asatiani, T.L. 4—61719
Pogosyan, A.L. *see* Petrosyan, K.B. 4—59585
Pogosyan, T.A. *see* Venikov, V.A. 4—44996, 4—62065
Pogrebnoi, A.I., Mushkat, E.B. New protection of a DC traction power supply system 4—57453
Pogribnoy, V.A. Instrumental correlation analysis using delta modulation 4—43079
Pogribrii, V.O. Delta modulation with a variable step in digital signal treatment 4—37920
Poh, B.-S. Emission properties of the double-proton bombarded laser—including kinks and self-sustained oscillations 4—59535
Pohl, A. FELD program package for numerical computation of stationary magnetic fields [electric machines] 4—57055
Pohl, A., Gotz, D. Numerical computation of magnetic field forces [electric machines] 4—57056
Pohl, A. *see* Halle, H. 4—57052
Pohl, A. *see* Steinbach, H. 4—56925
Pohl, J. A fast A/D convertor with double integration 4—61323
Pohl, J.P., Schendler, W. Electrochemical investigations on the kinetics of the growth of PbO_2 layers on lead 4—62688
Pohl, K.D. *see* Jang, S.-J. 4—52564
Pohl, L. *see* Scheuble, B.S. 4—55603
Pohl, W.D. *see* Bednorz, J.G. 4—44490
Pohle, U. *see* Lofti, R. 4—44122
Pohlman, J., Linden, I. Slim drive circuitry keeps a flat-panel display flat 4—39239
Pohlman, J.C. *see* Havard, D.G. 4—45129
Pohlmann, K. The other digital revolution [audio systems] 4—33000
Pohlmann, K. Theory and practice: report from the Far East [audio equipment review] 4—55121
Pohlmann, K. CDs: how to make them yourself 4—61112
Poiares Baptista, J.P.V. Simultaneous rain attenuation observations in the three SIRIO Italian stations: statistical results after five years' activity 4—42854
Poilleux, J.C. Digital PABXs and data transmissions 4—60612
Poimanov, A.L. *see* Akopyan, E.A. 4—48908, 4—51857
Pointer, C. The development of a new DMM 4—55535
Pointer, E. Potential equalisation in areas of explosion hazard 4—39860
Pointer, E. Overload protection of electrical machines in explosive atmospheres 4—40199
Poiraud, C. *see* Lechaczynski, M. 4—46433
Poirier, A. *see* Guichard, J. 4—44235
Poirier, J.P. *see* Aidan, M. 4—35061
Poirier, M.M. Planning for the intelligence requirements of the ISDN 4—32235
Poitevin, P. *see* Roy, G. 4—57232
Poitou, J. *see* Julien, J. 4—33690
Pojidaev, V. *see* Arefiev, A. 4—55843
Pojidaev, V. *see* Artemiev, V. 4—61684
Pojman, J.L. *see* Harris, H.M. 4—48519
Pokasov, V.V. *see* Patrushev, G.Ya. 4—37595
Pokhitonov, Yu.P. *see* Alfimova, N.V. 4—35044
Pokhoriler, V.L. *see* Danilov, S.N. 4—40098
Pokhsraryan, K.M. *see* Petrosyan, K.B. 4—59585
Pokor, J., Bucksbaum, P.H., Freeman, R.R. Generation of 35 nm coherent radiation 4—59589
Pokrovskii, L.D., Shashkin, V.V. Changes in surface relief during annealing of $LiNbO_3$ 4—59262
Pokrovskii, S.V. *see* Perevodchikov, V.I. 4—34757
Pokrowsky, P., Zapka, W., Chu, F., Bjorklund, G.C. High frequency wavelength modulation spectroscopy with diode lasers for optical memory applications 4—53118
Polaczek, A. *see* Geppart, A. 4—44979
Polak, E., Mayne, D.Q. Algorithm models for non-differentiable optimization 4—46167
Polak, E., Wardi, Y.Y. A study of minimizing sequences 4—57952
Polak, E. *see* Mayne, D.Q. 4—50693
Polak, J., Srb, N. Insulating materials for rotary electrical machines 4—40201
Polak, J., Srb, N. Insulation materials for rotary electric motors 4—47151
Polak, S. *see* Schilders, W. 4—36519
Polak, S.J., Wachters, A.J.H., van Welij, J.S. A new 3-D eddy current model 4—31595
Poland, H.J. *see* Elsaesser, T. 4—37425
Polanschutz, W. Nondestructive evaluation of martensite content in the microstructure of rolled steel wire 4—50853
Polanski, R. *see* Boron, W. 4—45120
Polanyi, M.L. *see* Shahnarian, A. 4—44714
Polasko, K.J., Pease, R.F.W. Electron beam exposure of $GeSe_2$ 4—36370
Polazhinets, N.V. *see* Bletskan, D.I. 4—58750
Polcari, M.R. *see* Aboelfotoh, M.O. 4—36597
Polcaro, F. *see* Charalambous, P.M. 4—39424
Polder, L.J.van de *see* van de Polder, L.J.
Pole-Baker, M.E. Printed circuits—origins and development. II 4—46687
Poleschinski, R. *see* Chiu, M.-Y. 4—43460
Polesky, R.W. *see* Lauby, M.G. 4—62135
Poletti, F., Grossoni, M. A modular, uninterruptable AC power plant for telecommunication loads 4—56531
Poletti, J.L. An ionisation chamber based CT dosimetry system 4—49331
Poletto, E. *see* Hall, D. 4—48119
Polevin, S.D. *see* Bratman, V.L. 4—36186
Polevoi, B.I. *see* Fesenko, L.D. 4—42505
Poley, D. *see* Linde, H. 4—51952
Poley, N.M. Double-sided AC color gas discharge display panel 4—39247
Polezhaev, V.A. *see* Komolov, V.P. 4—46545, 4—47859
Polgar, I. *see* Zarand, P. 4—56223
Polge, R.J. *see* Weed, J.C. 4—57999
Poliac, M. *see* Hoefflinger, B. 4—59043

Poliakon, J.A. System issues and considerations associated with design of ground mobile strategic satellite communication terminals 4−32768
Policarpo, A.J.P.L. *see* de Lima, E.P. 4−33745
Policastro, M., Torriano, D. Approximate expressions of the residues of a generalized machine model 4−56945
Policky, G. *see* Moghe, S. 4−30105
Polignano, M.L. *see* Cerofolini, G.F. 4−46997, 4−58897
Polis, A.V., Putrin'sh, Yu.Yu. Distribution management of the magnetic field by means of electroconducting elements 4−59703
Polishchuk, I.M. The Q-factor and energy center of antennas 4−31748
Polishchuk, I.M. Synthesis of antennas with weakly expressed superdirectivity 4−53280
Polishchuk, O.A. *see* Zaganyan, Yu.I. 4−39156
Polishko, V.B. Amplitude response of an automatic gain control system with a controlled photoresistive attenuator 4−55337
Polishko, V.B. Numerical methods of analysis of transients in a signal level control circuit using an opto-electronic device 4−58114
Polisky, L.E., Pregory, P.V. The causes and corrective actions for the FFG 7 class below deck EMI problems 4−37634
Polisskii, G.N. *see* Kozlovskii, V.I. 4−42609, 4−52937
Politopoulos, A.S. *see* Bhanu, B. 4−53864
Politte, D.G., Snyder, D.L. Results of a comparative study of a reconstruction procedure for producing improved estimates of radioactivity distributions in time-of-flight emission tomography 4−33814
Polivka, J. Estimation of the atmospheric temperature during radiometric measurement of attenuation 4−44913
Polky, J.N. *see* Miller, D.D. 4−51434
Poll, J. Quenching earth leakage arcs 4−34207
Polla, D.L., Muller, R.S., White, R.M. Monolithic integrated zinc-oxide on silicon pyroelectric anemometer 4−39166
Pollack, M.A. Single-frequency long-wavelength lasers 4−52992
Pollak, F.H. *see* Chroboczek, J.A. 4−51760
Pollak, M., Voss, G. Continued development of the modular low voltage switchgear system MNS 4−45543
Pollak, P. Neher-McGrath calculations for insulated power cables 4−62199
Pollak, R.A. *see* Himpsel, F.J. 4−56047
Polland, H.J., Zinth, W. Generation of frequency shifted picosecond pulses with low temporal jitter 4−47509
Pollara-Bozzola, F. *see* Yao, K. 4−43380
Pollard, J. Growth of the network and the impact of electronics 4−54053
Pollard, J.R. Switching and signalling−general introduction 4−60375
Pollard, M.G. Maglev−a British first at Birmingham 4−40556
Pollard, R. *see* Michaelidis, M. 4−46249
Pollard, R. *see* Tsaur, K.-C. 4−50032, 4−50033
Pollari, G. *see* Vogel, R. 4−56363
Pollett, P.K. Residual life approximations in general queueing networks 4−35354
Pollino, A. Managing quality for the 80s [semiconductor industry] 4−29289
Pollino, E. *see* Gallesio, A. 4−30600
Poliman, K., Schettler, H., Stadler, E.E., Zuehlke, R. Complementary push-pull driver 4−35922
Pollmann, K., Schettler, H., Stadler, E.E., Zuehlke, R. +V noise limiter 4−29744
Pollmann, K., Schettler, H., Zuehlke, R. Protection circuit for tristate push-pull drivers 4−35907
Pollock, C.R. *see* Petersen, F.R. 4−31314
Pollock, D.H. An introduction to electrooptical warfare 4−48522
Pollock, D.R. The big bang in telecommunications 4−53991
Pollock, R.J., Houlihan, J.F., Bain, A.N. The effects of noble metals on TiO_2 semiconductors in the production of storable fuels 4−34824
Pollock, R.J. *see* Houlihan, J.F. 4−34823
Pollock, V. *see* Mills, D.M. 4−56064
Pollock, W., Schofield, J., Milson, R.F., Murray, R.J., Flinn, I. Low-loss SAW filter using single-phase IDTs and no external tuning 4−52400
Pollock, W.H., Goetz, G.J., Park, E.D. Advancing the art of boiler design by combining operating experience and advanced coal evaluation techniques 4−49750
Pollock, W.W., Rock, J. Tactical ESM system counters tomorrow's RF threat 4−48398
Pollon, G.E., Walker, J.F., MacMullen, A., Cocco, N. MORTAR, a mobile dynamic radar test target system 4−54876
Polloni, R. *see* Bergamasco, G. 4−52928
Polly, D.D. 48 channel multiplexer for recording EEG on FM tape 4−49217
Polonskaya, M.A. *see* Rabinovich, R.S. 4−39780
Poloskov, S.I. *see* Belousov, A.N. 4−45800
Poloujadoff, M. *see* Lopez-Parra, E. 4−34130
Poloujadoff, M. *see* Timar, P.L. 4−57015
Polovinkin, B.I. *see* Kolchev, E.V. 4−62625
Pol'skikh, E.D. *see* Belyaev, S.V. 4−62013
Poltavtsev, O.V. *see* Gamazin, S.I. 4−62508
Poltavtsev, Yu.G. *see* Zharkikh, Yu.S. 4−36472
Poltyrev, G.Sh. Coding in an asynchronous multiple-access channel 4−43121
Poltz, J., Romanowski, K. Solution of quasi-stationary field problems by means of magnetic scalar potential 4−31592
Poluektov, A.V. *see* Shchelokov, Ya.M. 4−40644
Poluektov, I.A. *see* Belenov, E.M. 4−30471
Poluektov, Yu.M., Pedchenko, I.E. Electromagnetic field distribution in a semiconductor 4−41808
Polukarov, N.I. *see* Maier, V.Ya. 4−45063
Polukhin, A.T. *see* Bazarov, E.I. 4−31140
Polukhin, A.T. *see* Bazarov, Ye.N. 4−37707
Polukhin, V.N. *see* Ivanov, A.V. 4−31131
Polulyakh, V.S. *see* Kil'dishev, V.S. 4−40212
Polunin, V.N. *see* Shchebet, A.I. 4−61715
Polupan, V.A. *see* Kosovich, V.A. 4−62860
Polushkin, V.N. Faults in SQUID-magnetometer 4−52504
Polvani, D.G. The utility of Khachian's algorithm to management 4−50686
Polwarth, D. *see* Codrai, C. 4−48077
Polyagoshko, V.I. *see* Padalko, L.P. 4−62068
Polyak, B.T., Tsypkin, Ya.Z. Optimal methods of estimating autoregression coefficients in the case of incomplete information 4−35393
Polyakov, A.V. *see* Klenov, G.E. 4−35513
Polyakov, A.V. *see* Meier, A.A. 4−36135
Polyakov, E.V. *see* Bessonova, S.V. 4−42388
Polyakov, M.A. *see* Venikov, V.A. 4−44995
Polyakov, N.A. *see* Eremeev, S.V. 4−55752
Polyakov, V.E., Solov'ev, L.N. Tests for checking a logic system with memory 4−46399
Polyakov, V.E. *see* Lystsova, L.A. 4−56678
Polyakov, V.I. *see* Ermakov, M.G. 4−46855
Polyakov, V.I. *see* Markovskii, Yu.G. 4−34758
Polyakov, V.I. *see* Petryaev, I.P. 4−39374
Polyakov, V.M. *see* Tiratsuyan, O.E. 4−49904
Polyanskaya, T.A., Krukovskaya, L.P., Shmartsev, Yu.V. Temperature dependence of the relaxation time of the wavefunction phase in antimony-doped germanium 4−46803
Polydoros, A. Generalized serial search code acquisition: the equivalent circular state-diagram approach 4−37881
Polydoros, A., Holmes, J.K. Autocorrelation techniques for wideband detection of FH waveforms in white noise 4−37961
Polydoros, A., Holmes, J.K. Autocorrelation techniques for wideband detection of FH/DS waveforms in random tone interference 4−37962
Polydoros, A., Weber, C.L. A unified approach to serial search spread-spectrum code acquisition. I. General theory 4−53391
Polydoros, A., Weber, C.L. A unified approach to serial search spread-spectrum code acquisition. II. A matched-filter receiver 4−53392
Polydoros, A. *see* Pawlowski, P. 4−37952
Polynkin, A.V. *see* Vasil'ev, E.N. 4−41545
Polynovskaya, N.Ya. *see* Kazantsev, S.A. 4−47537
Polyukarov, N.I. *see* Maier, V.Ya. 4−39863
Polze, S. *see* Guther, R. 4−53105
Polze, S. *see* Novodvorskii, O.A. 4−42588
Pomalaza, C.A. Analysis of DPLL with clock quantization and nonlinear operations on the sampled input 4−43148
Pomalaza-Raez, C.A., McGillem, C.D. An adaptive, nonlinear edge-preserving filter 4−47849
Pomer, F. *see* Segura, A. 4−41859
Pomerance, C., Smith, J.W., Wagstaff, S.S., Jr. New ideas for factoring large integers 4−53427
Pomerantsev, V.V., Pilipenko, V.S., Mitsai, L.I., Tsirlin, Yu.A. Determining the inherent resolution of scintillation detectors at the edge of the Compton distribution 4−33726
Pomerene, A.T.S. *see* Ananthakrishnan, R.B. 4−47087
Pomerening, D.J. *see* Kana, D.D. 4−56757
Pomerleau, J.Y.D. *see* Jerominek, H. 4−59287
Pommerrenig, D.H. Extrinsic silicon focal plane arrays 4−55239
Pomonti, J. French PTT and satellite communications: the French Telecom 1 satellite project 4−38589
Pomot, C. *see* Arnal, Y. 4−51996
Pomper, M., Stocklinger, J., Augspurger, U., Mueller, B., Horninger, K. A 300K transistor NMOS peripheral processor 4−51285
Pomroy, C., Noel, L. Low-background radiation measurements on video display terminals 4−33894
Pon, H. FD-3 field trial in Bell Canada 4−32818
Ponath, H.-E. *see* Langbein, U. 4−37123, 4−37124
Pong Fang *see* Liu Lingling 4−59459
Poninski, M. Contactless AC voltage indicator 4−44553
Ponisch, G. *see* Menzel, R. 4−35437
Ponjaert, M. Design and realisation of teletel services 4−38254
Ponman, T.J. Maximum entropy methods 4−38041
Ponomar, V.V. *see* Andriesh, A.M. 4−47525
Ponomarenko, A.G., Surkov, A.S. Analog models of spark discharge gaps 4−49999
Ponomarenko, I.S. *see* Fokin, Yu.A. 4−45056, 4−56408
Ponomarenko, V.A. *see* Kaminskii, V.Yu. 4−55131
Ponomarenko, V.I. *see* Budagyan, I.F. 4−42893
Ponomarev, D.I. *see* Dubovskii, P.E. 4−31329
Ponomarev, L.I., Stepanenko, V.I., Kul'kov, M.Yu., Kotov, Yu.V. Investigation of a multifrequency combined waveguide phased antenna array 4−42984
Ponomarev, L.I. *see* Il'inskii, A.S. 4−42961
Ponomarev, S.I. *see* Zadiranov, Yu.M. 4−36571
Ponomarev, V.A. Stochastic properties of parametric, discrete Fourier transform 4−41032
Ponomarev, V.M. *see* Onishchenko, G.B. 4−34979
Pons, A., Andres, P., Ferreira, C., Illueca, C. Optical pseudocolouring technique to improve directional information 4−32036
Pons, D. Accurate determination of the free carrier capture kinetics of deep traps by space-charge methods 4−42019
Pons, G. *see* Bayes de Luna, A. 4−49248
Pons, R.L., Dugan, A.F. The effect of concentrator field layout on the performance of point focus distributed receiver systems 4−62457
Ponse, F. *see* Arnold, D. 4−36575
Pont, B.Lee du *see* Lee du Pont, B.
Pontano, B.A. *see* Colby, R.J. 4−32785
Ponte, N.S. *see* Dagenhart, W.K. 4−61643
Pontefract, R. Come back BT−all is forgiven 4−43658
Ponthenier, J.L. *see* Gerard, Ph. 4−30974
Pontius, D.J. Force transducer for disk-wear testing 4−42254
Pontoppidan, K. *see* Albertsen, N.C. 4−42942
Poo, G.S. Power spectral density characterisation of digital transmission codes 4−43135
Poo, G.S. Power spectra of HDB*n* and CHDB*n* codes 4−47738
Pool, I de Sola *see* de Sola Pool, I
Poole, A.B. The calibration of co-ordinate measuring machines by statistical method 4−55340
Poole, D., Munzinger, K. Medium voltage switchgear cubicles 4−45540
Poole, L.A., Warnaka, G.E., Cutter, R.C. The implementation of digital filters using a modified Widrow-Hoff algorithm for the adaptive cancellation of acoustic noise 4−53754
Poole, P.L. Experiences with a pulp mill distributed control system 4−62888
Poole, R.B. *see* Caudell, R.P. 4−58564
Poole, R.K. *see* Johnston, S.W. 4−32224
Poole, R.W., Jr. Air traffic control: the private sector option. I 4−39678
Poole, R.W., Jr. Air traffic control: the private sector option. II 4−61885
Pooley, D. Energy for the poor world 4−62271
Poon, P.W.F. *see* Chan, F.H.Y. 4−56102
Poor, H.V. Some results on robust signal detection 4−47884
Poor, H.V. A companding approximation for the statistical divergence of quantized data 4−53783
Poor, H.V. *see* Vastola, K.S. 4−43314
Poor, H.V. *see* Verdu, S. 4−43315
Poor, H.V. *see* Verdue, S. 4−43376
Poor, V.H. *see* Aazhung, B. 4−53614
Poor, V.H. *see* Vastola, K.S. 4−43014
Poorter, T., Wolters, D.R. Intrinsic oxide breakdown at near zero electric fields 4−30834
Poorter, T. *see* Wolters, D.R. 4−30833
Pop, E., Luzan, E., Jurca, T. Comparison of resistances to a resolution accuracy of the order of 10^{-6} 4−61497
Pop, M.G.M. *see* Preda, G. 4−50344
Popa, C. *see* Neagoe, V. 4−48580
Popa, T., Totolo, Chr., Muller, I. Firing tests on brown coal with high ash content 4−56792
Popczyk, J., Ciura, S., Gebski, I., Buchta, F. Number and arrangement of power emergency gangs in a district power board 4−45085
Pope, C.E., II, Ask, P., Tibbling, L. Evaluation of intraluminal EMG electrodes for the oesophagus and gastrointestinal tract 4−61800
Pope, J.W. A comparison of 100% stator ground fault protection schemes for generator stator windings 4−45422
Pope, K. 64-kbit EEPROM speeds in-system reprogramming, adds data polling 4−58309
Pope, L.E., Rohde, R.W. The effect of environment and materials properties on the friction and wear behavior of precious metal electrical contact alloy couples 4−41628
Pope, S.P., Solberg, B., Brodersen, R.W. A single-chip LPC vocoder 4−60553
Pope, S.P. *see* Reutz, P.A. 4−51454
Popeea, C. Computation of the quasistationary electromagnetic field of a system of parallel conductors 4−46632
Popek, K.M., Ramsey, J.N. Optical microanalysis in microelectronic device and packaging manufacture 4−46736
Popenko, N.A. *see* Vertiy, A.A. 4−30079
Popescu, A., Furch, B., Scholtz, A.L., Leeb, W.R. Experimental assessment of semiconductor lasers for optical data links in space 4−60817
Popescu, A. *see* Cristovici, A. 4−56659
Popescu, C. *see* Potlog, D.M. 4−50124
Popescu, D. A studio with variable acoustics for multi-track recording 4−44376

Popescu, S. Impedance protection structures modelling characteristics described by fourth degree equations in the impedance (admittance) plane 4—49624
Popkirov, G.S. Potentiostat-galvanostat 4—48928
Popkirov, I.S. *see* Dimova, D.I. 4—36428
Popkov, A.M. Stability of the process of electrode melting in various welding methods 4—62862
Popkov, V.I. *see* Aksenov, Yu.P. 4—59069
Poplowski, M. *see* Kalter, H. 4—30799
Popokov, L.G. *see* Iontachev, B.A. 4—49908
Popolansky, F. Calculation of lightning performance of unskilled power lines 4—56663
Poponiak, M.R. *see* Ahlgren, D.C. 4—30481, 4—36407
Popot, M. *see* Grenier, J. 4—60792
Popov, A.A., Stoyanov, A.K., Yanisov, V.V., Yanisova, L.K. Optical tomogram synthesis 4—35542
Popov, A.E. *see* Ugai, Ya.A. 4—30375
Popov, A.I. *see* Kotov, V.M. 4—37201
Popov, A.N. Dynamic characteristics of a direct-current motor in an automatic control system 4—57068
Popov, A.P., Brattsev, S.G. Calculation of the electromotive force induced in a current-carrying coil by the passage of a cylindrical conducting body through it 4—53192
Popov, A.S., Davydenko, V.V., Skobel'tsev, Yu.V. Analysis of the efficiency of space-time processing of radio signals in the presence of interference 4—53658
Popov, A.S. *see* Rodimov, A.P. 4—31750
Popov, B.D. *see* Lobova, S.M. 4—47092
Popov, E.A. *see* Tiratsuyan, O.E. 4—49904
Popov, E.I. *see* Mironyuk, N.E. 4—30139
Popov, G., Dischkov, P., Batev, K. Function adjustment of integrated hybrid circuits by laser beam 4—41742
Popov, G.V. *see* Bordulin, Yu.B. 4—57119
Popov, I.N. *see* Lachugin, V.F. 4—39905
Popov, L.N., Sheetov, L.N. Phase distortions in the magnetic recording-reproducing chain 4—38987
Popov, O.N. *see* Arutyunov, V.A. 4—55138
Popov, P.G., Shumilov, Yu.A. Calculation of starting parameters of an induction motor with straight slots 4—56999
Popov, S.I. *see* Saparin, G.V. 4—42466
Popov, V.G. *see* Evtukh, A.A. 4—36343
Popov, V.I., Amamchyan, S.G., Manukyan, R.M. Effectiveness of using combined windings in synchronous machines with self-excitation by third harmonic of magnetic field 4—34619
Popov, V.I., Gur'yanov, I.A., Makarov, L.N., Cheburakhin, I.M. Optimizing the parameters of an asynchronous single machine frequency converter 4—34753
Popov, V.M., Nochka, I.T. Changing insulator strings in 330 kV power lines under voltage 4—50453
Popov, V.N. *see* Krivotsyuk, V.I. 4—55300
Popov, V.P. Diffraction of electromagnetic waves by a partially metallized thin gyrotropic cylinder 4—47585
Popov, V.S. *see* Bakanov, V.I. 4—33270
Popov, V.V., Revzin, R.M., Savonova, M.A. Effect of dissipation of the propagation of surface magnetoplasma waves in a semiconductor-dielectric structure 4—51897
Popov, V.V. *see* Blinov, N.N. 4—56083
Popov, V.V. *see* Kaimakov, A.A. 4—29214
Popov, Yu.I. *see* Komarov, A.N. 4—34049
Popov, Yu.M. *see* Belenov, E.M. 4—30471
Popov, Yu.M. *see* Kozlovskii, V.I. 4—42610
Popov, Yu.M. *see* Obidin, A.Z. 4—31366
Popov, Yu.P. *see* Mazhorova, O.S. 4—29479
Popov, Yu.V. Laser light telemetry 4—59659
Popov, Yu.V., Trapeznikov, M.B. Spectral dependence of delayed emission from (GaAl)As diodes 4—59362
Popov, Yu.V. *see* Volkonskii, V.B. 4—61539
Popova, M.V. *see* Bilenko, Yu.D. 4—30417
Popova, N.V. *see* Krutiev, V.A. 4—45281
Popova, T.A. *see* Blinov, N.N. 4—56083
Popova, T.B. *see* Baranov, A.N. 4—46227
Popovic, B.D., Nesic, A. Generalisation of the concept of equivalent radius of thin cylindrical antennas 4—42950
Popovic, D.P. An approach to the evaluation of electromechanical transient processes in power systems 4—39795
Popovic, I. MEMAM—the program procedure for complex systems reliability evaluation 4—34280
Popovic, L.J. Analysis of grounding effects and potential transfer by earth wire protection for overhead 110 kV lines using the equivalent π-scheme 4—39889
Popovic, R.S. A MOS Hall device free from short-circuit effect 4—55376
Popovic, R.S., Baltes, H.P., Rudolf, F. An integrated silicon magnetic field sensor using the magnetodiode principle 4—39151
Popovic, S. *see* Persin, M. 4—58770
Popovichev, V.I. *see* Pilipetskii, N.F. 4—42711
Popovici, C. *see* Balaceanu, M. 4—46759
Popovkin, V.I., Mironov, O.V. Optimization of lines with small nonuniformities for broadband matching 4—41544
Popovskii, V.V., Glushankov, E.I. The realization on a microprocessor of algorithms for the space-time processing of signals and inference in radioelectronic systems 4—53650
Popovskii, V.V., Glushankov, E.I., Voronkov, B.V. Analysis of the accuracy and sensitivity of algorithms for processing multivariate signals and interference 4—53664
Popovskii, V.V. *see* Rodimov, A.P. 4—31750
Popovskiy, V.V., Dmitriyev, V.I., Davydenko, V.V., Glushankov, Ye.I. Results of a simulation of an adaptive nonparametric linear classifier of polarization-shift keyed signals 4—37799
Popp, G. Fast glass-passivated diodes for power applications 4—46993
Popp, H.-P. *see* Lu, J.-Q. 4—51694
Poppl, S.J. *see* Englmeier, K.H. 4—33827
Popplewell, J. Technological applications of ferrofluids 4—52443
Poprawe, R. *see* Beyer, E. 4—59663
Popyrin, L.S. *see* Ivanov, A.A. 4—62277
Poqodin, Yu.S. *see* Simeonova, Yu.M. 4—48896
Porat, B., Friedlander, B. A parametric technique for adaptive signal detection 4—43388
Porat, B., Friedlander, B. ARMA spectral estimation of time series with missing observations 4—53727
Porat, B. *see* Friedlander, B. 4—43018, 4—43335
Poreda, S.J., Murphy, S.F. An approach to implementing the line seize protocol in military fiber optics networks 4—38659
Porges, I., Schroder, E.F. A compatible compandor system for FM broadcasting and its circuitry 4—44207
Porikyan, M.P. *see* Arvanov, A.N. 4—39496
Porin'sh, V.M. *see* Grigulis, Yu.K. 4—53262, 4—61495, 4—61496
Porkhoriler, V.L. *see* Galimulin, N.N. 4—40100
Pornsutee, K. Satellite communication for rural development in Thailand 4—60797
Porod, W. *see* Grondin, R.O. 4—41300
Porokhnaya, V.M., Boiko, F.K., Gonza, M.I. Measurements and checking subsystem in an automated system for control of electric melting 4—55301
Porokhovoi, S.Yu. *see* Gaisak, I.I. 4—49073
Poroshin, A.N. *see* Platunov, A.E. 4—39040
Porosz, G. Investigating the overheating of electric appliances with infrared radiation measuring device 4—33523
Porotikov, A.P. *see* Khusid, L.B. 4—52019
Porotov, V.N. *see* Platunov, A.E. 4—39040
Porowski, S. *see* Karpinski, J. 4—29465
Porschke, H. *see* Spur, G. 4—55437
Portal, J.C., Gregoris, G., Brummell, M.A., Nicholas, R.J., Razeghi, M., Di Forte-Poisson, M.A., Cheng, K.Y., Cho, A.Y. Two-dimensional magnetophonon resonance in GaInAs-InP and GaInAs-AlInAs heterojunctions and superlattices 4—51848
Portal, J.C. *see* Brummell, M.A. 4—51850
Portal, J.C. *see* Eaves, L. 4—58774
Portal, J.C. *see* Mercy, J.M. 4—51843
Portelli, W.J. *see* Gorlick, A.E. 4—57766
Porter, B. Design of tracking systems incorporating inner loop compensators and high gain error actuated controllers for Lur'e plants with multiple nonlinearities 4—38673
Porter, B. Design of tracking systems incorporating inner loop compensators and fast sampling error actuated controllers for Lur'e plants with multiple nonlinearities 4—38674
Porter, B. Modular preamplifier 4—41215
Porter, D., Wallace, S. COLEP—Cost Of Losses Evaluation Program incorporating hourly production costs 4—62089
Porter, D.L. *see* Mero, T.N. 4—61946
Porter, J.E., Boll, S.F. Optimal estimators for spectral restoration of noisy speech 4—59977
Porter, J.M. *see* Harvey, R.S. 4—33937
Porter, M. Microcomputers in the recording studio 4—48662
Porter, M. *see* Edwards, E. 4—51109
Porter, N.S. Equipment qualification: the process for new plants as seen by a utility 4—56468
Porter, R.M. *see* Mozes, E. 4—49773
Porter, S.G. *see* Loveluck, J.E. 4—55231
Porter, W.A., Smilowitz, B. Design and performance of a channelizing filter bank in a pulsed signal environment 4—52411
Porteus, J.O., Faith, W.N., Allen, S.D. Laser desorption analysis of H_2O and other contaminants from optical surfaces 4—37434
Porteus, J.O. *see* Marrs, C.D. 4—37515
Portier, G. *see* Behe, R. 4—31802, 4—42998
Portier, J. *see* Lucat, C. 4—55428
Portinari, G. *see* Bertazzi, M. 4—39875
Portmann, J. *see* Munier, B. 4—55228
Portnoi, E.L. Semiconductor heterostructure lasers with distributed feedback 4—42619
Portnoi, E.L. *see* Abakumov, V.N. 4—46919
Portnoi, E.L. *see* Fronts, K. 4—52991
Portnoi, E.L. *see* Kalandarishvili, K.G. 4—37379
Portnoi, E.L. *see* Karpov, S.Yu. 4—52696
Portnoi, G.A., Pruss, V.L. Determining the sites for installing fault position indicators in 10 kV overhead power distribution networks equipped with recording instruments 4—39907
Portnoi, G.A., Pruss, V.L., Nichiporovich, L.V. Algorithm for selecting type and location of switchgear for ensuring secure supplies to critical agricultural loads 4—45563
Portnova, G.V. *see* Abil'siitov, G.A. 4—59389
Portnoy, W.M. *see* Rys, A. 4—36269
Porto, L.Lo. *see* Bruscaglioni, P. 4—31677
Porto, P.Di *see* Di Porto, P.
Portwood, T., Stejny, J. Analysis of CR-39 and the effect of additives 4—55887
Portwood, T., Turner, T.W., Fews, A.P. Kinetics and control of polymerising CR-39 4—55888
Porzelt, B. MS Europa, the 'dream ship' with a Grundig-Electronic colour TV studio 4—38773
Posch, R. *see* Fellner, W.-D. 4—48110
Posch, T.E. *see* Breed, B.R. 4—53768
Poschl, A. *see* Kirsch, H. 4—39617
Poshyunas, R.L. *see* Greshishev, Yu.M. 4—48593
Posiello, J. Protecting a loudspeaker by a supply fed from the audio signal 4—33046
Posiello, J. Digital design techniques. XII 4—33385
Posiello, J. Digital design techniques. XIII 4—35719
Posiello, J. An RF amplifier for a radio microphone 4—46362
Posiello, J. Digital design techniques. XVI 4—46439
Posiello, J. Digital design techniques. XIV 4—51079
Posiello, J. Digital design techniques. XV 4—51080
Posiello, J. Techniques of digital circuit design 4—51332
Posiello, J. A battery tester 4—55555
Posl, R. Electrical-wiring ducting systems for administration buildings. I 4—39861
Posl, R. Electrical installation—ducting systems for administrative buildings. II 4—45092
Posner, E.C., Reichstein, Z. A new class of minimum distance problems arising in computer communication protocol design 4—43811
Posner, E.C., Rubin, A.L. The capacity of digital links in tandem 4—47705
Posner, E.C., Stevens, R. Deep space communication—past, present, and future 4—54735
Posner, R.D., Schiff, M., O'Leary, J.N. A portable jamming system to evaluate the performance of L-band radio systems in an EW environment 4—48418
Pospelov, L.A. *see* Danil'chenko, V.P. 4—54907
Pospichal, L. Telemetering of four analogue variables 4—44455
Pospichal, L. Remote control equipment with the UART circuit 4—56693
Pospieszna, J. *see* Piotrowicz, J. 4—30866
Pospisil, J. Method of adjusting underexcitation protection of AC generators 4—40197
Pospisil, J. New protections of HV asynchronous motors and their setting 4—49871
Pospisil, J. Dependent overcurrent protection against overloading AC generators 4—56923
Pospisil, J., Nejedly, J. Implementation of a microcomputer for determining the duration of the permissible load on power transformers 4—57112
Posse, A.V., Gertsik, K.A., Petrov, S.Ya., Smirnov, B.I. 1500 kV direct current transmission between the Ekibastuz and central power grids 4—56570
Posse, E.A. *see* Bessolov, V.N. 4—42462
Post, D.E., Janev, R.K., Boley, C.D. The role of multistep collision processes in increasing the beam stopping cross section for high energy neutral beams 4—61617
Post, D.E. *see* Grisham, L.R. 4—61619
Post, K.A., Ligtenberg, L. Coding strategies for the binary multiplying channel in the discrete case 4—47713
Postan, M.Ya. Some Markov queuing networks with absolute priorities 4—43496
Postel, J. *see* Cohen, D. 4—54396
Posthoff, C. *see* Bochmann, D. 4—41331
Posthoft, C. *see* Koegst, M. 4—29800
Postl, W. Decomposition of scanned halftone images onto continuous-tone and discrete-tone overlays 4—43691
Postnikov, I.M., Prokof'ev, Yu.A., Tsvilii, S.L. Influence for allowance for aperiodic stator currents on transient processes of an asynchronized turbogenerator 4—57022
Postnikov, V.V. *see* Ovsyannikov, M.I. 4—58859
Postoenko, Yu.K. *see* Angel'skii, A.N. 4—32881
Postolache, P. Estimation of some characteristics of the random variation of quality parameters for electrical energy 4—49497
Postolache, P. *see* Gheorghe, A. 4—56522
Poston, T.D., Stancil, D.D. A new microwave ring resonator using guided magnetostatic surface waves 4—30077
Poston, T.M. *see* Hwang, W.C. 4—40402
Postranecky, M. Computer system reset generator 4—29708
Pot, B.J.G.van der *see* van der Pot, B.J.G.
Potalitsyn, Yu.F. *see* Vecherkovskii, V.V. 4—49998
Potapov, A.I. *see* Brudnyi, V.N. 4—36273
Potapov, L.A., Zotin, V.F. Measurement of angular velocity with high degree of dynamic accuracy 4—33490

Potapov, M.M. Approximation of optimization problems with smooth permissible controls and with constraints 4−46185
Potapov, N.N. *see* Bobrikov, Yu.V. 4−45784
Potapov, S.V. *see* Gerasimov, N.P. 4−51911
Potaturkin, O.I. *see* Gibina, L.A. 4−60153
Potecz, B. *see* Deak, I. 4−34110
Potecz, B. *see* Lengyel, G. 4−62054
Potemski, R.M., Small, M.B. New method for diffusing species by using solutions 4−51984
Potenza, M. *see* Coppa, G. 4−42332
Potenziani, E. *see* Leupold, H.A. 4−30957
Poteryaev, A.G. *see* Bychkov, Yu.I. 4−52895
Potgieser, P.G.L. Communicating typewriters 4−38223
Potgieser, P.G.L. The LAM 91/95 family of data circuit terminating equipments [for Teletex] 4−48042
Poth, P. An abbreviated wait-cycle accelerates 68000 systems 4−29892
Pothkow, U. *see* Kloeppel, F.W. 4−49591
Potier, D. Use of computer conferencing at INRIA 4−32378
Potikhonov, G.N. *see* Galanov, E.K. 4−37180
Potlog, D. *see* Ijac, G. 4−40224
Potlog, D. *see* Ijae, G. 4−40527
Potlog, D.M., Popescu, C., Turcu, I. Electric alternating current drive of a solar electric tower focusing concentrators plant 4−50124
Potlog, D.M. *see* Ijac, Gh. 4−40223
Potocki, P. A310/A300-600 electronic flight instrument system 4−49417
Potselueva, L.P. *see* Shirokov, A.A. 4−30435
Pott, G. Reliable capture of measurement data under difficult conditions 4−47181
Pottebaum, J.R. Optimal characteristics of a variable frequency centrifugal pump motor drive 4−34969
Potter, B.R., Daniels, W.D., Brown, S. Design and analysis tools for the slanted array correlator 4−52420
Potter, D. The token ring [LANs] 4−32331
Potter, R.J. *see* Clarke, R.J. 4−59007
Potter, R.R., Sites, J.R. Light-induced junction modification in (Cd,Zn)S/CuInSe$_2$ solar cells 4−45632
Potter, W.D. *see* Gilje, R.I. 4−39699
Potters, C.M. *see* Somlo, P.I. 4−39105
Pottier, J. *see* Dei-Cas, R. 4−33762
Pottier, J. *see* El Minywai, N. 4−47546
Pottig, W., Faller, R., Schmidt, A. Electronically steered bus 4−57448
Potts, C.D. *see* Krick, J.B. 4−56688
Potts, J. A versatile high performance digital signal processor 4−54072
Potts, J.E., Peterson, E.M., McMillan, J.A. Plasma effects on fluorine incorporation in glow-discharge produced a-(Si,F,H) films 4−58052
Potts, K.H. Low power UPSs 4−56520
Potts, R.W., Iocca, J.M., Kelsall, A.C. CAES: a cost-effective power option 4−34028
Potturi Ragavendra Rao, Sathyanarayan, S. On some experimental aspects of Ku-band ferrite circulator 4−58505
Potukuchi, J., Assal, F. TDMA performance monitoring of communications satellite transmitters 4−38569
Potukuchi, J., Assal, F., Mott, R. Communications satellite monitoring for time-division multiple-access 4−32784
Potukuchi, J. *see* Gutpa, R. 4−38568
Potvin, A.R., Kondraske, G.V., Tourtellotte, W.W., Syndulko, K. Perspectives on approaches to the measurement of function 4−49125
Potvin, A.R. *see* Kondraske, G.V. 4−44706, 4−44712
Potvin, A.R. *see* Syndulko, K. 4−49230
Potzick, J.E., Robertson, B. Long-wave acoustic flowmeter 4−44654
Potzl, H.W. *see* Schutz, A. 4−47052
Pouchard, M. *see* Andriamandroso, D. 4−59135
Pouget, S. Implementation of the stationary phase method for square aperture reflector 4−42829
Poukkula, K. *see* Zudin, O.S. 4−48524
Poulin, G.C., Osgood, M.J. The Brunswick Hydroelectric Project: a redeveloped small hydro site in Maine 4−49802
Pouliot, J. *see* Cote, A. 4−33586
Pouliquen, J.J. *see* Le Mouel, B. 4−54739
Poulissen, J.H.F.M. *see* Khoe, G.-D. 4−52558
Poulsen, H. The Danish Teledata Field Trial system 4−60464
Poulsen, S.D. *see* Hegarty, J. 4−60840
Pound, R. Static forces vigorous protective packaging development 4−50534
Pound, R. Success brings tough requirements for coaxial connectors 4−58582
Pountain, D. Microprocessor design [the Transputer and its special language, Occam] 4−58348
Poussart, D.J.M. *see* Plamondon, R. 4−44707
Poutissou, J.-M. *see* Bryman, D. 4−33632
Poutissou, R. *see* Bryman, D. 4−33632
Pouvil, P. *see* Pasquet, D. 4−42675, 4−47480, 4−59372
Pouyat, F. *see* Bjelkhagen, H. 4−39468
Poveda, J. *see* Sanchez, A. 4−49247
Povh, D. *see* Le Du, A. 4−34160
Povidaiko, P.M. *see* Lementueva, N.V. 4−58170
Povilonis, E.I. *see* Ng, K.K. 4−36867
Povolotskii, E.G. *see* Lopukhov, S.N. 4−58096
Powazinik, W. *see* Olshansky, R. 4−59530
Powazinik, W. *see* Su, C.B. 4−31370, 4−42614
Poweleit, H.R., Williams, J.R. Measurement of plasma uniformity [in ashing chamber] 4−41739
Powell, A. The challenge for improved ocean vehicles−a David Taylor Naval Ship R&D Center perspective 4−61957
Powell, C. *see* Nardi, V. 4−61652
Powell, D. BS2011 and IEC Publication 68: basic environmental testing procedures 4−35286
Powell, D.B. Buyers' guide to modems 4−48313
Powell, D.B. T is for telecommunications 4−54338
Powell, D.E. *see* Wang, P.C. 4−61781
Powell, F.D. Sampling a broad band sparse spectrum without anti-aliasing filters 4−53704
Powell, H.T. *see* Bradley, L.P. 4−57521
Powell, J.D. Thermal-energy transfer from arc to rails in an arc-driven rail gun 4−42822
Powell, J.D., Coughran, C.S. A stratified flow channel, a new research tool 4−56317
Powell, J.D. *see* Batteh, J.H. 4−42809
Powell, J.R., Botts, T.E. The FBR and RBR particle bed space reactors 4−34369
Powell, J.R. *see* Myrabo, L.N. 4−40040
Powell, K.E. *see* Ferguson, H.R.P. 4−29330
Powell, M.J. Instability mechanisms in amorphous silicon-silicon nitride thin film transistors 4−30657
Powell, M.J., Orton, J.W. Characteristics of amorphous silicon staggered-electrode thin-film transistors 4−52083
Powell, M.J. *see* Easton, B.C. 4−41098
Powell, M.J. *see* Orton, J.W. 4−51759
Powell, M.J.D. On the global convergence of trust region algorithms for unconstrained minimization 4−57946
Powell, P.S. *see* Eastham, D.A. 4−33565
Powell, R.J.W. *see* Hinchliffe, J.D.S. 4−54842
Powell, R.W. *see* Willis, H.L. 4−45011, 4−56592
Powell, S. *see* Healey, D.J., III 4−33140
Powell, S.J., Didier, C., Gagny, B., Carl, K.J., Erwin, J.W., Halman, I.A. Eastman Color LC Print Film 5380/7380 4−33514
Powell, T.G., Dean, C.C., Pepper, M. Two-terminal conductance of the quantised Hall resistor 4−36350
Power, E. Supplying a powerful test solution 4−48704
Powers, D. Abundant board-level μCs pack increased processing power [board-level microprocessor-system directory] 4−35847
Powers, E.J. *see* Koh, T. 4−53722
Powers, F.J. *see* Hingorani, G.D. 4−32215
Powers, J. *see* Sutton, J. 4−61461
Powers, J.V., Wilson, A.D. Holographic determination of stress in thin films 4−55706
Powers, R.J. *see* Bertl, W. 4−33757
Powers, W.F. Asynchronous traction motors will meet the synchronous challenge 4−34668
Powlesland, M. *see* Lawrenson, B. 4−50361
Pownug, R. *see* Frerichs, E. 4−43843
Poynor, R. Share and share alike [local area networks] 4−60509
Poza, F. *see* Bernstein, J. 4−53548
Pozar, D.M. Antenna synthesis and optimization using weighted Inagaki modes 4−31739
Pozar, D.M., Schaubert, D.H. Scan blindness in infinite phased arrays of printed dipoles 4−53308
Pozar, D.M., Schaubert, D.H., McIntosh, R.E. The optimum transient radiation from an arbitrary antenna 4−53272
Pozar, D.M. *see* Korzeniowski, T.L. 4−44446
Pozdnyakova, O.P. *see* Savel'ev, B.A. 4−50815
Pozela, J. *see* Gruzinskis, V. 4−37235
Pozela, J. *see* Mickevicius, R. 4−36282
Pozhela, Yu.K., Sashchuk, A.P., Savyak, V.V., Shilal'nikas, V.I. Galvanomagnetocombinational effect in silicon 4−58725
Pozhidaev, A.V. *see* Berlyand, V.I. 4−40092
Pozhidayev, V.N. *see* Kolosov, M.A. 4−42866
Pozin, M.B. *see* Grigoryan, M.O. 4−45511
Poznakhirko, S.N. *see* Dvornikov, A.A. 4−51028
Poznaniak, D.T. *see* Taylor, E.R. 4−49582, 4−49606
Pozne, A. *see* Stukovnik, I. 4−46114
Pozo, F.del *see* del Pozo, F.
Pozumentov, I.Ye. *see* Mal'tsev, A.A. 4−31977
Pozyaikin, V.P. *see* Bondar, A.P. 4−33361
Pra, U.De *see* De Pra, U.
Praag, P.M.Van *see* Van Praag, P.M.
Prabhu, A.N. *see* Hang, K.W. 4−36163
Prabhu, D. *see* Rakich, J.V. 4−33915
Prabhu, S.S. *see* Anjaneyulu, P.B. 4−50121
Prabhu, S.S. *see* Prasad, E.S.N. 4−57437
Prada, C.D. *see* Martinez, E. 4−29740
Prade, H. *see* Dubois, D. 4−29359
Pradeep, H.R. *see* Malik, N.R. 4−37911
Pradel, A. *see* Coquillat, D. 4−30390
Pradel, A. *see* Tedenac, J.C. 4−36307
Pradella, H., Janssen, J. ILSE assures the quality of electric devices−example for a flexible computer supported testing position 4−44413
Pradere, F. *see* Frey, R. 4−52853
Pradhan, A.S. *see* Szabo, P.P. 4−49328
Pradhan, B.D. *see* Bashir, A. 4−45526, 4−46330
Pradhan, D.K. *see* Itai, A. 4−41145
Prado, J. *see* Peralta-Fabi, Ri. 4−38110
Praeg, W.E. Design considerations for a high-current low-pass filter 4−35628
Praeg, W.F., Turner, L.R., Biggs, J.A., Knott, M.J., Lari, R.J., McGhee, D.G., Wehrle, R.B. FELIX: construction and testing of a facility to study electromagnetic effects for first wall, blanket, and shield systems 4−59777
Prag, M. Which parameters of circulation can be made visible by electronic oscillography? IV 4−33789
Prager Application of a transmultiplexer in communication networks 4−38385
Prager, E. Television film sensors with CCD components 4−48590
Prager, E. An example of using a signal processor in telecommunications 4−60586
Pragg, P.M.van *see* van Pragg, P.M.
Prakasa Rao, K.S. *see* Nagendra Rao, P.S. 4−45058
Prakasa Rao, K.S. *see* Srinivasan, N. 4−45059
Prakash, H. Organometallics in crystal growth 4−50746
Prakash, S., Rao, V.V. On the computation of autocorrelation using polynomial transforms 4−47837
Prakash, S. *see* Youn, D.H. 4−53681
Pralong, R. Observation and maintenance of the submerged parts of dams 4−45197
Pramanick, P., Bhartia, P. Accurate closed-form solutions for fin-lines 4−42923
Pramanick, P. *see* Bhartia, P. 4−30086
Pramanik, D., Current, M.I. MeV implantation for silicon device fabrication 4−46936
Pramanik, K. *see* Biswas, B.N. 4−58895
Pramatarova, L.D. LPE growth of p(n)InAs$_{1-y}$Sb$_y$-n(p)GaSb(Al$_x$Ga$_{1-x}$Sb) heterostructures 4−50752
Prance, R.J. *see* Mutton, J.E. 4−59169
Pranhan, M.M., Garg, R.K. A null detecting system for absolute measurement of infrared radiation 4−61395
Prasad, E.S.N., Dubey, G.K., Prabhu, S.S. High performance DC motor drive with phase locked loop regulation 4−57437
Prasad, G.Durga *see* Durga Prasad, G.
Prasad, J., Narayana Rao, D., Prasad, P.N. An optically-pumped multigas far-IR laser 4−59430
Prasad, K. *see* Gupta, M.M. 4−56136
Prasad, K.P., Unbehauen, R. A method of design for a class of 2-D filters 4−35969
Prasad, M.V.N., Parthasarathy, G., Asokan, S., Gopal, E.S.R. Pressure-induced electronic and structural transformations in bulk GeSe$_2$ glass 4−58745
Prasad, P. Critical issues in implementation of SMD technology [for PWBs] 4−46671
Prasad, P.N. *see* McCaffrey, R.R. 4−40461
Prasad, P.N. *see* Prasad, J. 4−59430
Prasad, R. *see* Mahalanabis, A.K. 4−49549
Prasad, R.P. Critical issues in implementing SMD technology 4−58616
Prasad, S.N. *see* Beyer, J.B. 4−36049
Prasada, B. *see* Sabri, S. 4−38838
Prasada Rao, T.A. *see* Janaky, T.P. 4−42328
Prasd, K.G. *see* Kurup, M.B. 4−41964
Praszczak, J., Shaw, J., Hatzakis, M., Babich, E., Arthur, E. Multilayer resist systems using polysiloxanes as etch masks 4−36368
Prat, J. A 'lie detector' 4−30063
Prat, L. *see* Castaner, L. 4−34906
Prat, M. A three way excitation system for loudspeakers 4−38952
Prat, M. A solid state relay 4−46665
Prat, M. A professional preamplifier and a studio amplifier 4−51012
Prat, M. A peal of bells produced by a sequencing generator 4−51495
Prat, M. Tone control [for audio equipment] 4−55113
Prata, A. *see* Ghosh, S. 4−43000
Prata, A., Jr. *see* Ghosh, S. 4−37709
Pratap, S.B., Bird, W.L., Godwin, G.L., Weldon, W.F. A compulsator-driven rapid-fire EM gun 4−42778
Pratap, S.B. *see* Spann, M.L. 4−42779
Prati, F. *see* Elia, M. 4−43168
Prati, G. *see* Picchi, G. 4−47828
Prato, G. *see* Merletti, R. 4−44762
Pratt, G.B. Pertaining to 'A misconception concerning normal and intrinsic curves of permanent magnets' 4−31031
Pratt, H., Har'el, Z., Golos, E. Three-channel Lissajous' trajectory of human auditory brain stem evoked potentials 4−33841
Pratt, J.C. *see* Moss, C.E. 4−44686
Pratt, J.D. *see* Horstmann, R.E. 4−30133, 4−41617, 4−46641, 4−46707
Pratt, T., Bostian, C.W., Stutzman, W.L., Yon, K., Howard, T. Attenuation and depolarization on low angle and site diversity slant paths 4−31658

Pratt, T., Gaines, J.M., Bostian, C.W., Stutzman, W.L. System performance of dual polarization satellite communication links affected by attenuation and depolarization 4—31660
Pratt, T. *see* Marshall, R.E. 4—49459
Pratt, T. *see* Stapor, D.P. 4—49457
Pratt, T. *see* Stutzman, W.L. 4—31662
Pratt, T. *see* Towner, G.C., III 4—32721
Pratt, W.C. *see* Burkman, J.L. 4—41193
Pratt, W.K. *see* Chen, W. 4—37842
Praught, M.W., Snyder, P.G. Safety features of mobile offshore drilling units—an overview 4—62900
Pravinkumar, P.A. *see* Zachariah, E.J. 4—31767
Prechtl, A. Electromechanics of electret transducers 4—44507
Preckshot, N.E., Campbell, S.A., Heikkila, W.W., Dokos, D., Passow, R.H., Grant, W.N., Schultz, D., Victorey, J.P. Design methodology of a 1.3-μm double-level-metal CMOS technology 4—30765
Preckshot, N.E., Campbell, S.A., Heikkila, W.W., Dokos, D., Passow, R.H., Grant, W.N., Schultz, D., Victorey, J.P. Design methodology of a 1.2-μm double-level-metal CMOS technology 4—36830
Preda, G., Daianu, D., Irimie, N., Pop, M.G.M., Gheorghita, V. Instruction and education in the field of energy conservation in Romania 4—50344
Preda, L. Analytical expressions for the indications from a single-phase wattmeter (counter) when fitted in a three-phase circuit with four conductors, under conditions of unbalanced currents 4—33327
Predan, F. Small technological consumption operation of the electricity supply network of an industrial enterprise 4—49594
Predel, B. *see* Dorner, P. 4—36257
Predko, S. *see* Nolt, I.G. 4—39710
Predmore, C.R., Raisanen, A.V., Erickson, N.R., Goldsmith, P.F., Marrero, J.L.R. A broad-band ultra-low-noise Schottky diode mixer receiver from 80 to 115 GHz 4—44197
Preger, M. *see* Biagini, M. 4—47384
Pregla, R. *see* Worm, S.B. 4—37698
Pregory, P.V. *see* Polisky, L.E. 4—37634
Prehn, H. Data transmission between a SICOMP R10 computer and a PRIME computer in a university over the public switched telephone network 4—43819
Preier, H.M., Bachem, K.-H., Bottner, H., Ball, D., Riedel, W.J., Jakubowicz, A., Eisenbeiss, A. Cd-diffused lead salt diode lasers and their application in multicomponent gas analysis systems 4—59501
Preier, H.M. *see* Eisenbeiss, A. 4—51776
Preiningerova, V., Kahoun, V., Dolezel, I. Combined calculation of magnetic field, losses and temperature distribution in large oil transformers 4—40288
Preis, H. *see* Vogel, H.F. 4—31600
Preis, J., Smid, L. Visual identification of failures of encapsulated integrated circuits according to aluminium blackening 4—58979
Preis, K. A contribution to eddy current calculations in plane and axisymmetric multiconductor systems 4—31588
Preiss, K.D. Accumulator—save. [Protective battery charging circuit] 4—45503
Preiswerk, H.P., Lubanski, M., Kneubuhl, F.K. Helical distributed feedback gas laser 4—42572
Preiswerk, H.P. *see* Kneubuhl, F.K. 4—39388
Preiswerk, H.P. *see* Wildmann, D. 4—52898
Preiswerk, H.P. *see* Zheng Xingshi 4—59417
Prekopa, A. *see* Deak, I. 4—34110
Prelas, M. *see* Peck, M. 4—31085, 4—31087
Prelas, M.A., Boody, F.P. Evaluation of current nuclear technology for powering space lasers 4—31286
Prelec, K. Report on the BNL H^- ion source development 4—61641
Prelec, K. *see* Hershcovitch, A.I. 4—61612
Prell, E.M., Sheng, A.P. Building quality and productivity into a large software system 4—60601
Premachandran, V., Narasimhan, K.L., Bapat, D.R. Temperature dependence of the mobility edge in amorphous silicon 4—51799
Premakumaran, N., Khincha, H.P., Parthasarathy, K. Microprocessor based AGC scheme for interconnected power system 4—49525
Premakumaran, N., Kulkarni, G.S., Khincha, H.P., Parthasarathy, K. Multi level LFC of interconnected power system 4—49526
Premchandran, G. *see* Sen, P.C. 4—40312, 4—57145
Premchandran, G. *see* Zhao, K.B. 4—40597
Preminger, J. On the increase in electric power consumption for heating of apartments and offices in Israel 4—40623
Preminger, J., Roth, Z. Analysis of control systems linked through a sinusoidal element [power systems] 4—39820
Premji, A. *see* Chung, T. 4—32758
Premoli, A. *see* Biey, M. 4—41460
Premoli, A. *see* De Marchi, A. 4—61488
Premur, K. The Swedish power distribution collapse 4—45043
Premur, K. Modern high voltage capacitors for phase compensation 4—56442
Premur, K. SF_6 in electrical installations 4—57269
Premur, K. Swedish grid breakdown, Price 300-400 million Danish crowns. II 4—62063
Premur, K. Phase compensation 4—62165
Prendergast, E.J. *see* Kull, G.M. 4—36557
Prentice, J.D. *see* Ushida, N. 4—56030
Preobrazhenskii, N.G. *see* Voskovoinikov, Yu.E. 4—61162
Preparata, F.P., Lipski, W., Jr. Optimal three-layer channel routing 4—46298
Preparata, F.P. *see* Mehlhorn, K. 4—51370
Prescott, C. *see* Purves, R.D. 4—30053
Preser, K.H. Four continuous casting plants for ARBED Saarstahl 4—40640
Presley, D.R. *see* Cook, P.A. 4—40278
Presley, J.A., Jr. Automated detection in multiple-target environments using the censored mean-level detector 4—60129
Preslitskii, G.V. *see* Anisimov, A.M. 4—62712
Presnyakov, I.N., Korolev, V.N., Bidnyi, Yu.M. Use of an adaptive filter for identifying a stationary stochastic process by its multidimensional model with apriori known structure 4—41502
Pressel, P. Spin mount system—a test system for an infrared sensor 4—61377
Presti, F.P. *see* Dorler, J.A. 4—40871
Presti, L.Lo *see* Lo Presti, L.
Prestifilippo, E. *see* Bucciarelli, T. 4—60889
Prestinario, J.A. *see* Eldredge, G.P. 4—54366
Preston, C.C., Gold, R., McNeece, J.P., Roberts, J.H., Ruddy, F.H. Progress in automated scanning electron microscopy for track counting 4—39464
Preston, C.C. *see* Gold, R. 4—39459, 4—55896
Preston, C.C. *see* McNeece, J.P. 4—39462
Preston, C.C. *see* Roberts, J.H. 4—55919
Preston, C.C. *see* Ruddy, F.H. 4—39465, 4—55914, 4—55937, 4—55960
Preston, H.F. International telecommunications in Asia—environment, structure and progress 4—60636
Preston, K., Jr. Cellular logic architectures [picture processing] 4—53865
Preston, R.C., Livett, A.J. Medical ultrasonic standards at NPL 4—49168
Prete, G., Viesti, G. Developments of heavy-ion gas detectors at LNL 4—49086
Preti, R. TDMA satellite systems and demand assignment techniques 4—54726
Pretorius, J.A., Shubat, A.S., Salama, C.A.T., Smith, D.A. Optimization of domino CMOS logic and its applications to standard cells 4—58280
Prettl, W., Vass, A., Allan, G.R., Pidgeon, C.R. Power broadening and nonlinear FIR magneto-photoconductivity in n-GaAs 4—59310
Prettyjohns, K.N. Charge-coupled device image acquisition for digital phase measurement interferometry 4—61272
Pretzsch, G., Kostel, U. Sensitivity of the electret ionization chamber to fast neutrons 4—56224
Preuss, P. Battery operated vehicles for airports 4—45715
Preuss, R.D., Yarlagadda, R. Autoregressive spectral estimation in noise in the context of speech analysis 4—37904
Preuss, R.D., Yarlagadda, R. Autoregressive spectral estimation in noise with application to speech analysis 4—53506
Preuth, H.G. *see* Geuen, W. 4—38080
Previ, A. *see* Bullo, P. 4—29131
Previ, G. *see* Julie, J.J. 4—43497
Previte, S.J. Insulating the space shuttle 4—44798
Previti-Kelly, R.A. *see* Marmillion, N.P. 4—46950
Prewett, P.D., McMillan, D.J., Jefferies, D.K., Mair, G.L.R. Liquid metal ion sources for lithography: some recent advances 4—36379
Prewett, P.D., Mahony, C. Applications of coatings produced by field emission deposition 4—41100
Prezioso, G. *see* Cocorullo, G. 4—34892
Preziotti, G.R., Shepperd, I.J., Sullivan, M.D. A communications systems test and evaluation program 4—48383
Pribyl, F. A new scanning system for very low illumination 4—46777
Pribyl, F. High brightness electroluminescent diodes 4—47359
Price, A.H. *see* Bone, M.F. 4—48976
Price, B.H., Wheeler, C.L. Fuse-holder assembly 4—41678
Price, D. Computer aided testing for production quality assurance 4—55163
Price, D.B., Calise, A.J., Moerder, D.D. Piloted simulation of an onboard trajectory optimization algorithm 4—49365
Price, E.J., Ricker, W.G. New approaches to transducer excitation and conditioning 4—48825
Price, E.V. The fast Fourier transform on a digital image processor—implementation and applications 4—53882
Price, H.E. *see* Pulliam, R. 4—62301
Price, H.G. *see* Aitken, T.W. 4—33571
Price, M. *see* David, T. 4—52727
Price, M.G. *see* Bonney, R. 4—59284
Price, P.B. *see* Ahlen, S.P. 4—55955
Price, P.B. *see* Salamon, M.H. 4—61713
Price, P.J. Heterolayer mobility in the Bloch-Gruneisen range 4—58778
Price, P.J. Low temperature two-dimensional mobility of a GaAs heterolayer 4—58786
Price, P.J. *see* Mendez, E.E. 4—51814
Price, R.H., Wiedwald, J.D., Kalibjian, R., Thomas, S.W., Cook, W.M. Ultrafast gated intensifier design for laser fusion X-ray framing applications 4—39066
Price, S. The G4BWE tunable CW filter 4—58451
Price, S.M. *see* Grimsdale, R.L. 4—33925
Prickett, B. *see* Finger, M. 4—33712
Prickett, J. *see* Miller, I. 4—58407
Prideaux, P.H. *see* Chapman, J.E. 4—32839, 4—59198
Pridham, R.G., Gualtieri, F.J., Jr., Kaufman, C. Data recording and processing for high-resolution frequency analysis [oceanographic application] 4—39114
Priel, B., Shaked, U. Regions of pole location of the discrete stationary Kalman filter 4—43301
Priel, B. *see* Hasson, J. 4—39650
Priemuth, A. *see* Sussmann, H. 4—36436
Pries, W. Steam extraction systems of industrial steam turbines 4—40081
Priest, C.J. *see* Ferguson, J. 4—56498
Priest, J. Energy: principles, problems, alternatives. Third edition 4—50308
Priestley, J.T. *see* Bohlander, R.A. 4—37593
Prieto, A. *see* Rodriguez, J. 4—47642
Prieto, J. *see* Martinez, P. 4—34519
Prieto, J. *see* Simarro, E. 4—49275
Prigent, J.P. Digital instrumentation 4—39194
Prigoda, B.A. *see* Vlasov, E.A. 4—44601
Prikhod'ko, A.M. *see* Prikhod'ko, V.M. 4—39956, 4—41198
Prikhod'ko, A.Ya. Distribution of the load currents of zigzags between the phases of a network 4—57116
Prikhod'ko, V.M., Kravchenko, V.I., Prikhod'ko, A.M. Apparatus for measuring the resistance of the earth connection of the pylons of overhead power lines 4—39956
Prikhod'ko, V.M., Kravchenko, V.I., Prikhod'ko, A.M. A general purpose thyristor voltage regulator 4—41198
Prikrgl, M. *see* Grushetski, D. 4—32470
Prilik, R.J. *see* Gomez, R.S. 4—46466
Prilutskii, S.V. *see* Dovganyuk, I.Ya. 4—40231
Prilyuk, O.M. *see* Gavrilov, N.I. 4—31439
Primbsch, J.H. *see* Roth, J. 4—39442
Prince, M.B. Crystal gazing in photovoltaics 4—50098
Prince, S.E. *see* Frewin, L.F. 4—55221
Prince, T.A. *see* Cook, W.R. 4—33780
Prince, T.A. *see* Finger, M. 4—33712
Principe, J.C. *see* Guedes de Oliveira, P. 4—49212
Prinetto, P. *see* Gai, S. 4—30714
Prinetto, P. *see* Olla, F. 4—35849
Prinetto, P. *see* Somenzi, F. 4—35729
Pringle, D.M., Eastham, A.R., Dawson, G.E. Control and dynamic simulation of VVFF LIM drives 4—34983
Prior, D.L. *see* Rahim, Y.H.A. 4—56966
Prior, D.L. *see* Thukarma, D. 4—45015
Prior, K.A., Davies, G.J., Heckingbottom, R. The thermodynamics of oxygen incorporation into III-V semiconductor compounds and alloys in MBE 4—29492
Prioste, J.E. *see* Champlin, C.R. 4—41277
Priouret, P. *see* Metivier, M. 4—43008
Pripisnov, K.N. *see* Kuznetsov, V.M. 4—58171
Prischmann, W. *see* Conrad, H. 4—41184
Prisco, G. *see* Luchini, P. 4—47385
Prishchepa, M.F. Device for 'at home' annunciation for substations with alternating operating current 4—35243
Pritchard, J. Meeting the real world [A/D and D/A conversion] 4—29935
Pritchard, J. Computer networking at the National Computing Centre 4—48207
Pritchard, J.A.T. Local area networking at NCC—two years' experience 4—43753
Pritchard, W.L. The history and future of commercial satellite communications 4—54679
Pritchard, W.L., Radin, H.W. Direct broadcast satellite service by Direct Broadcast Satellite Corporation 4—38776
Pritzlaff, P.E. *see* Culican, E.F. 4—29655, 4—29978, 4—35918
Pritzlaff, P.E., Jr. *see* Culican, E.F. 4—29787, 4—29975
Privalov, V.E. *see* Kapralov, V.P. 4—42533
Privalov, V.Ye. *see* Dolbilov, A.S. 4—31322
Privett, R.F. Impact of custom VLSI technology 4—52164
Proakis, J.G. Digital communications 4—57692
Proakis, J.G. *see* Ling, F. 4—43062, 4—43340, 4—53677, 4—60083
Proakis, J.G. *see* Wesolowski, K. 4—43858
Probert, N. A dual CMOS microprocessor on a single chip 4—41378
Probert, P.J. *see* Luff, G.F. 4—44599
Probert, S.D. *see* Babus'Haq, R.F. 4—56789
Probert, S.D. *see* Fleming, P.D. 4—62475
Probert, S.D. *see* Jambunathan, K. 4—40832
Probst, P.A. *see* Kaser, A. 4—60346

Probst, R., Kochsiek, M. Investigation of a hydrostatic weighing method for a 1 kg mass comparator 4–33511
Procaccia, H., David, J., Wazzan, A.R. Thermal-hydraulic characteristics of pressurized water reactors during commercial operation. V. Steady state thermal measurements on the secondary side of a PWR steam generator (Tricastin 1 nuclear power plant) 4–62327
Procaccia, H. *see* Wazzan, A.R. 4–62326
Proch, W. A rotational speed converter based on Hall generator for analysing transient states of machines 4–48881
Prochazka, J. Economic loading of power lines and transformers 4–62575
Proctor, D.Y., II, Hickok, H.N. Horizontal NEMA frame motors–extending their mechanical life and reliability 4–34578
Proctor, J. Temperature transducer IC is linear over wide range 4–39144
Proebster, W.E., Remshardt, R. Protecting chip cards against electrostatic discharge 4–41309
Profirescu, M.D. Modeling of discrete semiconductor devices 4–36503
Profumo, F. *see* Delfino, B. 4–57434
Prohl, H.J. Voltage converter in CMOS technology 4–41192
Prohl, U. *see* Sussmann, H. 4–36436
Prohs, J.R., Harris, D.E. An accurate and easily implemented method of modeling loudspeaker array coverage 4–38946
Prokes, J. *see* Touskova, J. 4–30585
Prokhoda, I.G. *see* Lozyanoi, V.I. 4–41565
Prokhoda, I.G. *see* Lozyanoy, V.I. 4–30078
Prokhorov, A.M. *see* Ageev, V.P. 4–59679
Prokhorov, A.M. *see* Angelov, A.K. 4–42385
Prokhorov, A.M. *see* Apollonov, V.V. 4–37413
Prokhorov, A.M. *see* Atanasov, P.A. 4–52917
Prokhorov, A.M. *see* Basiev, T.T. 4–31365
Prokhorov, A.M. *see* Bozhevol'nyi, S.I. 4–37143
Prokhorov, A.M. *see* Gavrilov, N.I. 4–31439
Prokhorov, A.M. *see* Karlov, N.V. 4–47424
Prokhorov, A.M. *see* Mezhevich, A.N. 4–41789
Prokhorov, A.M. *see* Valiev, K.A. 4–51673
Prokhorov, A.M. *see* Zharikov, E.V. 4–31364, 4–42603
Prokhorov, A.M. *see* Zhekov, V.I. 4–31361
Prokhorova, G.A. A mathematical model of a triple wound asynchronous generator 4–40251
Prokic, D. A note on the change of the mass of weights adjusted to new conditional density with change of air density 4–33509
Prokof'ev, E.V. *see* Vinokurova, L.N. 4–30449
Prokof'ev, V.E., Frid, A.V. A study of nonlinear operation conditions of digital-analogue network by stepwise representation of signals 4–41173
Prokof'ev, Yu.A. *see* Postnikov, I.M. 4–57022
Prokof'eva, N.K., Makarova, I.A., Belova, S.A., Leonova, V.E. Peculiarities of the doping of silicon carbide with aluminum 4–41051
Prokop, G.S. *see* Smith, P.M. 4–46739
Prokopalo, O.I. *see* Andreev, E.M. 4–41035
Prokopalo, O.I. *see* Raevskii, I.P. 4–58763
Prokopchik, V.V. *see* Kudrin, V.I. 4–62843
Prokopenko, A.G., Leonkov, A.M., Mysak, I.S., Dmitriev, V.E. Investigation and introduction of operation at varying pressure of a 250/300 MW district heating unit 4–40074
Prokopenko, Yu.D. *see* Rozhentsev, V.S. 4–33131
Prokopovic, P. Work regions of bridge-connected three-phase inverters with symmetrical control during a single-phase short circuit 4–45512
Prokuntsev, A.F. Generalised procedure for individual conversion of data concerning complex resistance components 4–61494
Prole, A. *see* Lukic, V.P. 4–62095, 4–62152
Pron, V.V. *see* Shchutskii, V.I. 4–50448
Pronenko, V.I. Reproducibility of tests, measurements during tests, and test results 4–55139
Pronenok, V.I. Effects of measurement error on the monitoring reliability for a group of components 4–55140
Pronobis, H. *see* Koj, J. 4–46713
Pronyakin, V.T., Dubinin, G.V., Grushin, S.A. Feasibility of detecting superfine defects by ultrasonic method 4–35553
Pronyakin, V.T., Dubinin, G.V., Rybakov, N.K., Grushin, S.A. Ultrasonic inspection of welded joints with a backing ring 4–41133
Propoy, A.I. Problems and methods of dynamic linear programming 4–35394
Proskuryakov, V.S. *see* Konyaev, A.Yu. 4–57000
Prosmytskaya, L.E. *see* Vilenskii, G.B. 4–48720
Prosnitz, D. High intensity free electron lasers for inertial confinement fusion 4–52867
Prosnitz, D. *see* Fawley, W.M. 4–47379, 4–59381
Prosnitz, D. *see* Orzechowski, T.J. 4–47368
Prosser, A. *see* Gruber, S. 4–62094
Prosser, L.L. Current status of the MLS program 4–39681
Prost, L., Busca, G., Gardiol, F.E. Limitations of hydrogen maser frequency standards due to receiver noise 4–52825
Proszynska, K. Interference pulse generator type GI-2 4–46386
Protasov, N.G. Method for normalizing boiler unit water blowdown mode by computer processing of operational data 4–40095
Prothero, W.A., Jr., Schaecher, W. First noise and teleseismic recordings on a new ocean bottom seismometer capsule 4–61887
Protopopov, A.P., Shevchenko, V.I., Cherepukhin, V.I. A heterodyne with a frequency shift of the receiver-transmitter of the intermediate radio-relay station 4–54635
Prots, V.I. *see* Krivoshchekov, G.V. 4–53029
Protsenko, E.D. *see* Kornilov, S.T. 4–31332
Protsenko, L.D. Mathematical models of impulse interference 4–53239
Prottas, R.D., Shaw, M.T., Johnson, J.F. Analysis of extruded cable dielectrics by GPC, LC and FTIR, 4–59081
Proulx, R.J., Cefola, P.J., McClain, W.D. Ephemeris representations for communications satellites 4–48446
Prouts, B. *see* Mariani, J. 4–53482
Prouza, L. On the reception of binary phase shift keyed sequences by an autocorrelation receiver 4–43347
Prouza, Z. *see* Hermanska, J. 4–33906
Provosin, A.S., Thel'mer, F.I. Exposure condition instability in film shooting 4–38784
Prshisovskii, E.N., Eskin, G.L. Breaker failsafe system [substation protection] 4–40303
Prucz, J. *see* Rehfield, L.W. 4–58061
Prudan, A.M. *see* Dedyk, A.I. 4–58819
Prudenziati, M. *see* Sardi, L. 4–34894
Prudkii, V.P. *see* Lozyanoi, V.I. 4–41565
Prudkiy, V.P. *see* Lozyanoy, V.I. 4–30078
Prudnikov, V.S. *see* Shchutskii, V.I. 4–49596
Prudnikov, Yu.S. *see* Krivonishchenko, I.A. 4–62584
Prudviblokh, I.A., Martynyuk-Lototskii, R.A. Stability improvement of eddy-current transducers 4–61342
Prufert, W. Short wave propagation phenomena 4–31638
Pruitt, P.A. *see* Wang, J.Y. 4–54895
Pruneanu, P. *see* Dadarlat, D. 4–52440
Prunele, G.de *see* de Prunele, G.
Prunty, S.L. *see* Holohan, A.M. 4–59428
Prusek, J. *see* Jojko, Z. 4–45790
Pruss, V.L., Smirnov, A.I. Distribution network line control in fault conditions 4–39851
Pruss, V.L. *see* Portnoi, G.A. 4–39907, 4–45563
Pruss-Zhukovskii, S.V. *see* Aksenov, E.T. 4–32880
Pruss-Zhukovskii, S.V. *see* Esepkina, N.A. 4–32879
Prussin, S., Margolese, D.I., Tauber, R.N. The formation of amorphous layers by the implantation of arsenic and phosphorus into silicon 4–51979
Prussog, A. *see* Muhlbach, L. 4–60392
Prusty, S., Rao, M.V.S. A novel approach for predetermination of magnetization characteristics of transformers including hysteresis 4–58576
Pruszkowska, E., Barrett, P. The use of inductively coupled plasma in the semiconductor industry 4–58826
Pruyn, R.R. Conceptual design of a digital avionics suite for LHX 4–44849
Pruys, H. *see* Bertl, W. 4–33757
Pryadko, S.I. *see* Chermalykh, V.M. 4–62727
Pryor, D.H. *see* Weldon, J.M. 4–45458
Pryor, J. CATV hardware: what the consumer will require 4–55030
Pryor, R.A. *see* Sopori, B.L. 4–50102
Przbylski, S.A. *see* Rowen, C. 4–51305
Przedpelski, A.B. 'Near Field' communication 4–60308
Przeradzki, A. *see* Nowak, M. 4–49966
Przybylski, G.T. *see* Iwasaki, H. 4–33647
Przybylski, S. The design verification and testing of MIPS 4–41403
Przyluski, J., Conder, K., Zagorska, M. A study on application of photolithography in bubble technology 4–31042
Przyluski, J., Mendyk, J., Druto, N. Application of electrochemical methods in $Ga_{1-x}Al_xAs/GaAs$ type solar cell fabrication 4–62703
Przyslupski, P., Rauluszkiewicz, J. Zero-bias anomalies in tunneling to amorphous Co-Gd thin films 4–41922
Przytulski, A. A simple algorithm for the computation of the thyristor voltage during the switch-off 4–36572
Psaltis, D. Two-dimensional optical processing using one-dimensional input devices 4–60204
Psarras, J. *see* Samouilidis, J.-E. 4–56514
Psedersky, S.T., Angelov, D.D. Electronic devices for checking the quality indices of electric energy 4–29276
Pshaenich, A. A pulse generator synchronised with the mains by means of an IC 4–29714
Psimenatos, N., Vickers, R., Williams, G. Transmission standards make networks cost-effective 4–32205
Psimenatos, N., Vickers, R., Williams, G. Transmission standards: a way to make networks cost-effective 4–43588
Psomadellis, F., Lidgate, D. Microcomputer calculation of fault levels for operational interlocking in large networks 4–34191
Psomadellis, F., Lidgate, D. Microcomputer calculation of fault levels for operational interlocking 4–45567
Pszczola, J. A physical model of the simple measurement 4–61166
Ptacek, M. Digital display of the frequency of a TV channel and an unconventional design of the A/D conversion system 4–44240
Ptakh, G.K., Kolomeitsev, L.F., Evsin, N.F. Transients in a toothed zone of a single-phase induction generator 4–49876
Ptashchenko, A.A. The influence of tunnel capture with phonon emission of the impurity-level recombination of the charge carriers in *p-n* junctions 4–36320
Ptashchenko, A.A., Maryutin, V.I. Mechanism for passing current in magnetically sensitive p-i-n structures with long base based on GaAs:O 4–36360
Pu, F.W. *see* Tso, S.K. 4–49961
Pu, Z.Z., Kaufman, H. Comparative evaluation of a new procedure for adaptive estimation of noisy images 4–60249
Pucci, G. *see* Gandini, M. 4–61096
Puccio, A. *see* Tirro, S. 4–48433
Puchal, H., Martin Comin, J., Ricart, Y., Ibern, A., Ramos, M. A new calculation method of the regional ejection fraction in nuclear medicine 4–49189
Puchalska, I.B. *see* Jones, G.A. 4–47178
Puchalska, I.B. *see* Labrune, M. 4–36997
Pucheral, G. Telephone-type switching wiring and protective relays needing no auxiliary power supply: The new structure for HV-LV substation control 4–57144
Puchkov, Yu.I. *see* Kovalev, A.M. 4–61475
Puchol Vivas, J.M. Tachogenerators: selection, characteristics and couplings 4–55377
Puckette, C.M. *see* Kolavennu, V.R. 4–60720
Puckette, C.M. *see* Lester, H.L. 4–32709
Pucknell, D.A., Raymond, M.L.J. A re-orderable content random access memory array and applications in CAM arrays 4–58295
Pudalov, V.M., Semenchinsky, S.G. Plateau shape analysis of the quantized Hall resistance in MOSFETs 4–42068
Pudalov, V.M., Semenchinsky, S.G., Edelman, V.S. Hysteresis phenomena in charging of Si MOSFET in quantizing magnetic field 4–58811
Puente, J.A.de la *see* de la Puente, J.A.
Pugach, V.V. *see* Svidchenko, A.I. 4–45758
Pugach, Yu.P. *see* Zolotov, A.V. 4–39315
Pugachev, V.A. *see* Glukhov, V.P. 4–34714
Puggelli, G. A PLA synthesis system 4–58287
Pugh, A. *see* Hill, J.J. 4–53945
Pugh, G.A., Elgomayel, J.I. Generating a set of interrelated inspection sampling plans 4–29280
Pugh, J. Dielectric measurements using frequency response analysers 4–61504
Pugliese, P. *see* Cafaro, G. 4–34088, 4–62142
Pugliese, P. *see* Dilecce, B. 4–59696
Puglisi, L. *see* Girdinio, P. 4–29396, 4–29397
Puhe Liu *see* Liu Puhe
Puig, F. *see* Oter, R. 4–49252
Puille, W., Landham, E.C., DuBard, J.L., Sparks, L.E. Estimate ESP efficiency gains from pulse energization 4–53175
Pujari, M. *see* Tiwari, S.C. 4–30092
Pukhov, G.E Decomposition methods for balancing nonlinear network systems 4–29609
Pukhov, G.E. Quasicompound vectors and their use in electrical technology 4–50617
Pukite, P.R., Van Hove, J.M., Cohen, P.I. Extrinsic effects in reflection high-energy electron diffraction patterns from MBE GaAs 4–50767
Puleo, M. *see* Costa, B. 4–42331
Pulfrey, D.L. *see* Lester, T.P. 4–52098
Puling Liu *see* Liu Puling
Pul'kin, S.A. *see* Anufrik, S.S. 4–37340
Pulkrabek, Z. *see* Stiborova, E. 4–40352
Pulliam, R., Price, H.E. Allocating functions to man or machine in nuclear power plant control 4–62301
Pullum, G.G. Modelling burst errors in digital transmission 4–43038
Pultorak, J. The l-h junction as an element of the semiconductor device 4–36313
Pultr, A., Morris, F.L. Prohibiting repetitions makes playing games substantially harder 4–46094
Pum, D. *see* Kubler, O. 4–53811
Pummer, H., Egger, H., Luk, T.S., Rhodes, C.K. Short wavelength generation using excimer lasers 4–59591
Pun, E.Y.B. *see* Barnard, J.A. 4–59301
Puncochar, J. A convertor of the U_1/U_2 voltage ratio to frequency 4–58488
Pundt, F. IC tracker dog. Cost-effective test circuits for error detection 4–41338
Pundt, H. *see* Ambrosch, H. 4–39787
Pundt, H. *see* Morozova, J.A. 4–45393
Pung, H.K., Davies, P.A. A real-time flood-routed voice protocol for fibre optic local area networks 4–48206
Punjani, M. *see* Bond, L.J. 4–46264
Punkevich, V.S. *see* Zapol'skii, A.G. 4–51641
Punnett, M. NiCad charger/regenerator 4–40331
Punt, G.E. Suppressing interference: a necessary evil 4–31687

Puntaloro, R., Spinelli, C. CCS No.7 signalling system in the Italian speech and data network 4—38172
Pupin, V.M. *see* Afanas'ev, A.A. 4—45405
Pupin, V.M. *see* Gamazin, S.I. 4—62508
Pupkov, K.A., Rusakova, Z.N., Tyukhov, B.P. Approximate synthesis of dynamic filtration algorithms for perturbations other than white noise 4—53616
Pupolin, S., Tomasi, C. Spectral analysis of line regenerator time jitter 4—54596
Pupolin, S. *see* Bilardi, G. 4—37816
Pupolin, S. *see* Longhi, S. 4—32657
Purcell, C. *see* Morrissey, D.J. 4—61675
Purcell, G.G. *see* Merriam, R.L. 4—40624
Purczynski, J., Brykalski, A. The electric field in a deformed concentric cable 4—56654
Purdy, J.A., Glasgow, G.P. Neutron leakage around a 20-MeV (18-MV X-ray) linac with a modified neutron shield 4—33864
Purer, A. *see* Nuckols, M.L. 4—61830
Puri, D., Hardy, R.H.S., Davall, P.W., Kennedy, W.O., McCuskee, L.B., Misskey, W.J. Computer communications with an electrical switching station 4—34805
Puritis, T.Ya. *see* Dzelme, B.M. 4—51834
Purkait, N.N. *see* Ghosal, A. 4—36261
Purll, D.J. Assessment of silicon imaging array performance 4—55256
Puron Sopena, E. *see* Diaz Arencibia, P. 4—37241
Purschwitz, R. Wave-optical investigations of gradient optical fibres with narrow, deep index profile distortions 4—31138
Purser, M., Horn, C., Sheehan, J. The PHS protocol 4—38315
Purser, M. *see* Encarnacao, J. 4—32412
Purser, M. *see* Fitzpatrick, N. 4—48290
Pursley, M.B. Throughput of random-access frequency-hop communications 4—43953
Pursley, M.B., Stark, W.E. Antijam capability of frequency-hop spread-spectrum with Reed-Solomon coding 4—31880
Pursley, M.B. *see* Sarwate, D.V. 4—53333
Purtell, L.P. High-speed data acquisition system for fluid mechanics measurements 4—39363
Purton, P. VANS licence ripe for clarification 4—43576
Purton, R. Rural telecommunications 4—54055
Purucker, S.L., Rizy, D.T., Reed, J.H., Monteen, L.D. Automation and control of a distribution power system 4—49558
Purushothaman, S., Zupicich, A. Mercury connector height enhancement technique 4—46977
Purves, D. *see* Paffard, A. 4—36033
Purves, D.W. Integration of low loss limiters in microwave front ends 4—30087
Purves, R.D., Prescott, C. The parallel-fed voltage multiplier 4—30053
Purviance, J.E. *see* Tylee, J.L. 4—56769
Purvis, A. Pye TVT: the broadcast company of Philips 4—54939
Purvis, A. RTL: the voice of Europe [Radio-Tele-Luxembourg] 4—54940
Purvis, A. High power transmission systems: how necessary are they? 4—54957
Purvis, A. *see* Mitchelmore, R. 4—61036
Purwin, P.E. *see* Morel, D.L. 4—50057
Pusch, F. From the test laboratory to a series machine tool. Laser technology in Voest-Alpine 4—59668
Pushan Tang *see* Tang Pushan
Pushkarev, O.I. *see* Berdikov, V.F. 4—29544
Pushkarov, Kh. *see* Savatinova, I. 4—36007
Pushkarova, R.M. Acoustical coupling of double mode resonators vibrating in thickness-twist mode 4—52371
Pushkarova, R.M. Experimental studies on the acoustical coupling of double-mode quartz resonators 4—59105
Pushkina, T.N. *see* Goldobin, I.S. 4—59547
Pushnyi, B.V. *see* Bagraev, N.T. 4—46820
Pushnyi, B.V. *see* Garbuzov, D.Z. 4—52819
Pusone, E., Lloyd, L. Synthetic aperture sonar—an analysis of beamforming and system design 4—60924
Pustol, J. Torque in rotor's iron of DC motor 4—49901
Pustovalov, V.K., Khorunzhii, I.A. Influence of the microstructure of a polydispersed water aerosol on the parameters of the process of bleaching of the aerosol by laser radiation 4—42701
Puterbaugh, L.J., Rivenburgh, D.L., Turner, J.F. Thin film light enhancement [for optical microscopy] 4—61567
Puternicki, P. Two-rotor commutator motor 4—45403
Putman, C.A., Rappaport, S.S., Schilling, D.L. A comparison of strategies for serial acquisition of frequency hopped spread spectrum signals 4—37957
Putman, P.H. Piggy-bank repeater project [controller design] 4—43929
Putman, R.E.J. *see* Smith, C.E. 4—62889
Putnam, R.M., Lopez, M.H. Navstar GPS host vehicle telemetry system 4—48761
Putnam, R.S., Salour, M.M. Modelocked picosecond pulses from 490 nm to 2 μm with optically pumped semiconductor lasers 4—59475
Putrin'sh, Yu.Yu. *see* Polis, A.V. 4—59703
Putt, R.A. *see* Allen, D.M. 4—40396
Putten, A.F.P.Van *see* Van Putten, A.F.P.
Puttgen, H.B. Adjoint network modelling procedures for power systems 4—62092
Puttick, K.E. *see* Shahid, M.A. 4—51874
Puttlitz, A.F. *see* Marmillion, N.P. 4—58845
Putz, C. Transient recorders 4—61432
Puvlsen, J.H. Characterisation of graded single-mode fibres by fundamental-mode spot size variation 4—42353
Puyane, R., Kato, I. Tin oxide films on glass substrates by a sol-gel technique 4—35496
Puzakov, A.N. *see* Kotov, M.N. 4—58495
Puzakov, V.V., Zauzolkov, I.V., Zagorodnikov, M.P., Meloyan, R.G. Ways of reducing the power consumption during electrolytic refining of copper 4—45797
Puzin, I.B. Apparatus for examining the parameters of lattice defects in semiconductor diode structures by capacitance methods 4—48961
Pyasetskaya, L.I. *see* Brainin, E.I. 4—34586
Pyatetskii, G.Yu. *see* Kaimakov, A.A. 4—29214
Pyatetskii, R.E. *see* Gurskii, V.B. 4—58632
Pyati, V.P. The role of circular polarization in bistatic radar for mitigation of interference due to rain 4—38666
Pyatnitskii, L.N. *see* Kazantsev, S.A. 4—47537
Pyatyshev, E.N. *see* Levishina, E.S. 4—33275
Pyee, M. *see* Kreisler, A. 4—55485
Pyle, I.C. The COM computer conferencing systems 4—54151
Pyle, R.V. *see* Anderson, L.W. 4—61661
Pyle, R.V. *see* Wada, M. 4—61633
Pylkki, R.J. *see* Heikkila, K.E. 4—46718
Pyl'tsov, I.S. *see* Novikova, I.A. 4—35538
Pynn, R. Neutron scattering instrumentation at reactor based installations 4—56038
Pyper, H. Khartoum North power station 4—34416
Pyshkin, I.M., Pantikyan, R.T. Synthesis of composite signal systems with periodic correlation properties 4—47765
Pyshkin, O.B. Building dams from rockfill sluiced with sand-clay soil 4—34249
Pysin, V.V. Gripper attachment for turning the rotors of turbines 4—62348
Pytel, K. Spectral functions estimation for normal random noises 4—38990
Pytlak, J.P. *see* Clum, K.L. 4—59695, 4—59701
Pytlinski, J.T., Lopez, A.M., Straub, M. Research solar pond: design and instrumentation 4—33530

Qadeer, A. *see* Bryant, F.J. 4—52979
Qi Feihu *see* Wei Yinan 4—47894
Qi Shang-xue *see* Shang-xue Qi
Qi Zhuang *see* Zhuang Qi
Qi-chao Zhang *see* Zhang Qi-chao
Qi-ming Zhu *see* Zhu Qi-ming
Qi-Xiang Zhuang *see* Zhuang Qi-Xiang
Qian Heshing *see* Bao Borong 4—39397
Qian Hualin The capacity of nonpersistent CSMA protocols 4—60479
Qian Lingxing *see* Li Yongchun 4—47491
Qian Linxin *see* He Huijuan 4—59481
Qian Linxing *see* He Huijuan 4—31352
Qian Linzhao *see* Cui Shufan 4—30316
Qian Wang *see* Wang Qian
Qian Zheng *see* Jiang Zhonghong 4—59673
Qiang Pan-Fu The frequency spectrum of coupled-vibrations of finite circular piezoelectric ceramic disks 4—47148
Qigao Zhu *see* Zhu Qigao
Qiguo Hou *see* Hou Qiguo
Qihong Lou *see* Lou Qihong
Qiming Wu *see* Wu Qiming
Qiming Zhong *see* Zhong Qiming
Qin Fuguang, Wang Xiangming, Yang Guangrong, Lin Lanying Germanium epitaxy on silicon by ionized-cluster beam 4—46216
Qin Jianan, Liu Bingrong Some aspects of laser medicine and its clinical applications 4—39602
Qin Shu *see* Wu Qiming 4—47023
Qin Yi *see* Han Shaoping 4—59413
Qin-jian Chang *see* Tian-bao Chang 4—61668
Qing Zhang *see* Zhang Qing
Qing Zhu *see* Zhu Qing
Qing-chang Yu *see* Yu Qing-chang
Qing-ming Zhao *see* Zhao Qing-ming
Qingchang Yu *see* Yu Qingchang
Qingchun Zhu *see* Zhu Qingchun
Qingguo Li *see* Li Qingguo
Qinghua Gao *see* Gao Qinghua
Qinglin Shi *see* Shi Qinglin
Qingsheng Meng *see* Meng Qingsheng
Qingsheng Xia *see* Xia Qingsheng
Qinguol Li *see* Li Qinguol
Qingxian Xu *see* Xu Qingxian
Qingxiu Li *see* Li Qingxiu
Qingyuan Han *see* Han Qingyuan
Qinxiu Xue *see* Xue Qinxiu
Qinxue Li *see* Li Qinxue
Qirui Zhang *see* Zhang Qirui
Qishan Zhang *see* Zhang Qishan
Qisheng He *see* He Qisheng
Qiu Bingshen *see* Gong Di 4—37290
Qiu Chang-tao, Deng Ji-xiang, Bai Hua Piecewise short circuit solution algorithm using sparsity techniques [power systems] 4—56440
Qiu Haifang *see* Haifang Qiu
Qiu Huizhu *see* Yuan Hailin 4—61566
Qiu Jizhan *see* Sun Rongchuan 4—29440
Qiu Mingxin *see* Ye Yutang 4—61387
Qiu Mingxin *see* Zhou Zhenzhuo 4—59399
Qiu Peihua *see* Gao Fuyuan 4—31470
Qiu Qiujin *see* Zhou Fuzheng 4—47500
Qiu Xiaoying *see* Xiaoying Qiu
Qiujin Qiu *see* Qiu Qiujin
Qiuqin Shen *see* Shen Qiuqin
Qiusheng Cao *see* Cao Qiusheng
Qiwang Li *see* Li Qiwang
Qixia Gao *see* Gao Qixia
Qizheng Gu *see* Gu Qizheng
Qu, L.Z. *see* Bershad, N.J. 4—53675
Qu Li *see* Li Qu
Qu-hu Li *see* Li Qu-hu
Quach, N.T., Reif, R. Solid-phase epitaxial growth of polycrystalline silicon films amorphized by ion implantation 4—58021
Quade, A.W. *see* Gellings, C.W. 4—57572
Quail, J.C., Simon, H.J. Optical second-harmonic generation in transmission with long-range surface plasmons 4—37444
Quak, D. Read performance of a single-pole head with trapezoidal cross section for perpendicular recording 4—59143
Quan, V.., Vieceli, J.J., Tien Tsai Yang Source flow chemical laser cavity performance 4—37393
Quan Zi-yi, Dong Xu Optimum synthetic design method for TV sync signal 4—44232
Quanan Zheng *see* Huang, N.E. 4—49476
quang Mui Truong *see* Truong quang Mui
Quansheng Han *see* Han Quansheng
Quansheng Zhang *see* Zhang Quansheng
Quanshu Ye *see* Ye Quanshu
Quantie Chow *see* Chow Quantie
Quantin, X. The 'Carte a Memoire': an indispensable security for financial transactions at home 4—48162
Quanxin Xi *see* Xi Quanxin
Quanz, K.-H., Schmidt, W. Rational energy use in a bakery through all-electrical power supply 4—57665
Quaranta, A.Alberigi *see* Alberigi Quaranta, A.
Quaranta, H.O. Use of the random sum peak in the determination of the resolving time of NaI(Tl) scintillation detectors 4—49070
Quaresima, C., Perfetti, P., Daniels, R.R., Margaritondo, G. Schottky barrier formation on amorphous semiconductors: Au on Ge (110), *a*-Ge, and hydrogenated *a*-Ge 4—46862
Quaresima, C. *see* Daniels, R.R. 4—58777
Quaresima, C. *see* Evangelisti, F. 4—30399
Quaresima, C. *see* Fortunato, G. 4—36338
Quaresima, C. *see* Margaritondo, G. 4—46845
Quartararo, L. *see* Hoffer, P.B. 4—39546
Quatieri, T.F. *see* McAuley, R.J. 4—53558
Quatieri, T.F. *see* Peli, T. 4—60256
Quayle, I. Using semi-custom in consumer design 4—41659
Que Do, V., Gavrilovic, M.M. An iterative pole-removal for synthesis of power system equivalent networks 4—62140
Que Do Van *see* Van Que Do
Queck, T. *see* Schultheis, R. 4—56067
Quegan, S. Measuring geometric distortion in synthetic aperture radar (SAR) images 4—32864
Queirolo, G. *see* Valente, M. 4—46956
Queiroz, A.C.M.de *see* de Queiroz, A.C.M.
Queiroz Orsini, L.de *see* de Queiroz Orsini, L.
Quemada, J., Riera, J., Vinyes, J., Vidaller, L., Oliveros, J.C. A 16 EEG channel telephone transmission system with cassette recording and CRT display 4—33850
Quenzel, H., Thomalla, E., Nodop, K. Clouds and aerosol: determination of their vertical distribution. A computer study 4—61935
Quercioli, F., Molesini, G. Pseudocolor encoding of spatial frequency with interference filters 4—32035
Quero Jimenez, M. *see* Cazzaniga, M. 4—49137, 4—49138
Quetglas, G.M., Macfarlane, P.W., Perez de Talens, A.F., Aguilar, J.C. *(editor)* Applications of Computers in Cardiology: State of the Art and New Perspectives. Proceedings of the IFIP-IMIA International Symposium 4—49233
Quevrin, J. *see* Dumas, D. 4—52787
Queyroux, F. *see* Ostorero, J. 4—35466
Qui Chuanren *see* Yan Zhen 4—49360
Qui Lanhua *see* Chen Keming 4—58864
Quichaud, G. *see* Salame, E. 4—56975
Quick, R.F., Jr., Arora, K.K. Two-way CATV system design for integrated services 4—32965
Quilis, A. *see* Olabe, J.C. 4—53504
Quillian, T. Skylink [mobile satellite network] 4—38537
Quimby, D., Slater, J. Emittance acceptance in tapered-wiggler free-electron lasers 4—47369
Quimby, D.C. *see* Grossman, W.M. 4—47367, 4—47473

Quincy, E.A. *see* Bisbee, A.M. 4—56282
Quincy, E.A. *see* Kubichek, R.F. 4—60267
Quinn, D.E. *see* Bhagavatula, V.A. 4—52610
Quinn, G.C. ESD damage today: potentially more destructive and costly 4—50498
Quinn, G.C. System digital multimeters 4—61435
Quinn, G.H. Status of area navigation 4—38720
Quinn, J.J. *see* Tselis, A. 4—58781
Quinn, J.S., Cox, H.L. Data collection and recording instrumentation for command, control, and communications 4—48384
Quinn, R.M. *see* Bakeman, P.E., Jr. 4—52296
Quintana, J.A. *see* Oliva, J. 4—37482
Quintana, V.H. *see* Mota-Palomino, R. 4—39826, 4—44957, 4—56453
Quintana, V.H. *see* Wang, J.W. 4—62024
Quintard, P. *see* Gerbier, M.M. 4—31093
Quintenz, J.P. *see* Mendel, C.W. 4—55806
Quintenz, R. *see* Mudrack, H. 4—43906
Quintin, A.O. *see* Kurth, R.F. 4—51213
Quintino, L., Allum, C.J. Pulsed GMAW: interactions between process parameters. I 4—45799
Quintino, L., Allum, C.J. Pulsed GMAW: interactions between process parameters. II 4—50259
Quinton, G.L. Advantages of an arcless voltage regulator 4—46339
Quinton, P. *see* Frison, P. 4—53538
Quinzio, M.V. *see* Bittner, H.F. 4—40400
Quiram, W. Electric hearth-type melting furnace for aluminium 4—57600
Quiring, K.B. Near field problems of measurements using toneburst techniques 4—44659
Quiring, K.B., Pekrul, D.A. Proposed criteria for the balance between direct speech communication and ambient noise in restaurants and cafeterias 4—44660
Quiros, J.Gonzalez Bernaldo de *see* Gonzalez Bernaldo de Quiros, J.
Quisquater, J.-J. *see* Davio, M. 4—53436, 4—60343
Quittner, E. *see* Ahmed, S. 4—56248
Qunian Yuan *see* Yuan Qunian
Quong, D., Perlman, R. One-chip sequencer shapes up addressing for large FFTs 4—51359
Qureshi, M.I. *see* El-Sulaiman, A.A. 4—47144
Qureshy, F.A. *see* Alden, R.T.H. 4—34105

Ra, J.B. *see* Shepp, L.A. 4—49163
Raab, A.R., Bouchard, M. Techniques for reconfiguration in antennas for communications satellites 4—31771
Raab, B. *see* Deskevich, J. 4—39643
Raab, W. *see* Miguel, M. 4—56007
Raacke, K.H., Roberts, S. Inorganic lift-off process 4—41933
Raba, O.B. *see* Antipenko, B.M. 4—31362, 4—37348
Rabaey, D.H., Haspeslagh, D. A PCM transcoder circuit and remote metering generator for line circuit applications 4—54460
Rabago, G. *see* Fraile, J. 4—49321
Rabe, R. *see* Huang, C. 4—58346
Raben, K.U.von *see* von Raben, K.U.
Rabenburg, L., Mishra, R.K., Thomas, G., Fidler, J., Skalicky, P., Rothwarf, F. Comments, with reply, on 'High resolution electron microscope study of $Sm(Co,Fe,Cu,Zr)_{7.5}$ magnets' 4—31030
Rabin, M.O. Transaction protection by beacons 4—38222
Rabin, S. *see* Lutz, C. 4—41402
Rabiner, L.R., Levinson, S.E., Sondhi, M.M. On the use of hidden Markov models for speaker-independent recognition of isolated words from a medium-size vocabulary 4—43263
Rabiner, L.R., Sondhi, M.M., Levinson, S.E. A vector quantizer combining energy and LPC parameters and its application to isolated word recognition 4—53462
Rabiner, L.R., Sondhi, M.M., Levinson, S.E. A vector quantizer incorporating both LPC shape and energy 4—59965
Rabiner, L.R., Wilpon, J.G., Terrace, S.G. On the application of embedded training to connected letter recognition for directory listing retrieval 4—37892
Rabiner, L.R., Wilpon, J.G., Terrace, S.G. On the application of embedded digit training to speaker independent connected digit recognition 4—43270
Rabiner, L.R., Wilpon, J.G., Terrace, S.G. A directory listing retrieval system based on connected letter recognition 4—59993
Rabiner, L.R. *see* Wilpon, J.G. 4—37893
Rabinovich, A.Z. *see* Ostrovskii, B.I. 4—48901
Rabinovich, E.M., Tuchin, V.V. Investigation of the transverse distribution of intensity perturbations by probing lens-like media with laser radiation 4—42692
Rabinovich, E.M. *see* Gavrilov, D.N. 4—52896
Rabinovich, G.I. *see* Molodtsov, S.N. 4—50198
Rabinovich, G.I. *see* Zakaryan, A.S. 4—40588
Rabinovich, G.V. *see* Balan, N.M. 4—31819
Rabinovich, R.I. *see* Bannaya, V.F. 4—51765
Rabinovich, R.I. *see* Gershenzon, E.M. 4—30339
Rabinovich, R.S., Polonskaya, M.A. Thermal power station models for analysis of long electromechanical transients in power systems 4—39780
Rabinowitz, J.H. *see* Ferguson, T.J. 4—43149
Rabinzohn, P., Gautherin, G., Agius, B., Cohen, C. Cleaning of Si and GaAs crystal surfaces by ion bombardment in the 50-1500 eV range. Influence of bombarding energy and sample temperature on damage and incorporation 4—46953
Rabone, N.H. *see* Rush, J.D. 4—59226
Rabow, G. Reusing mainframe jumpers: a success story 4—38411
Rabson, T.A. *see* Erwin, H.O. 4—37146
Raby, C.L. *see* Elrod, T.P. 4—38156
Rachinskas, V.S. *see* Orlovskaya, L.V. 4—35497
Rachkov, V.A. Measurement of the high frequency parameters of the slow-wave systems in O-type microwave electron devices 4—55656
Rachkov, Y.G. *see* Golenkov, A.N. 4—34008
Rachnikov, A.V. *see* Boyakhchyan, G.P. 4—46611
Racich, J.L., Schuler, N.W., Trapani, G.B. High efficiency polarizers for the visible region 4—52748
Racine, F. *see* Hewett, F.A. 4—42251
Racine, W.C., Ferraro, V.D., Woods, R.R. Characteristics of candidate sites selected for onsite fuel cell power plant 4—40189
Rack, L. Articulated shaft welding with MBL double-head welding machine 4—45796
Racki, J.G. *see* Dick, J.M. 4—52663
Racki, R. *see* Brown, D. 4—49747
Racko, D. Distortion of acoustic emission signals by a change of temperature of the sensor 4—49484
Rackoff, C. *see* Luby, M. 4—32101
Rackow, E.C. *see* Bisera, J. 4—44709
Rackson, M.M., Wei, P.S.P., Meyer, T.H. High resolution polarimetric radar precision limits 4—54854
Racz, B. *see* Santa, I. 4—31313
Racz, B. *see* Szabo, G. 4—47431
Racz, M. *see* Eppeldauer, G. 4—61172
Raczy, L. *see* Vilcot, J.P. 4—33306
Rada, J. Symmetrisation of a general single-phase variable load in a three-phase network 4—56546
Rada, J. Electric current in three-phase transformer windings and inlets during general asymmetrical loading 4—57108
Rada, J.F. Trends and effects of information technology 4—60367
Rada, J.F., Pipe, G.R. *(editor)* Communication Regulation and International Business. Proceedings of a Workshop 4—57716
Radantsev, V.F. *see* Deryabina, T.I. 4—30450
Radautsan, S.I. *see* Varlamov, I.V. 4—29526
Radbel, D. *see* Marks, R.J., II 4—53623
Radchenko, A.L. Analysis of the operation of a direct-current electric motor, self-fed from a source of current 4—57067
Radchenko, A.P. Experimental investigation of a probe transducer of air conductivity 4—33978
Radecki, W. Drawbacks and advantages of municipal transformer stations SN/nn 4—62592
Radeka, V. *see* Gatti, E. 4—33667
Radeka, V. *see* Smith, G.C. 4—33686
Radelaar, S. *see* Hendriks, M. 4—35510
Radeschi, D.C. *see* Feuster, I.R. 4—57791
Radeschi, D.C. *see* Friedel, H.N. 4—32561
Radev, H.K. *see* Vuleva, E.A. 4—29274
Radev, P., Stoyanov, G. New 1B2B line code for digital fibre optic transmission systems 4—37839
Radhakrishna Rao, K. *see* Sasikumar, M. 4—30003, 4—35950
Radicati, B. *see* Stefanutti, L. 4—61915
Radig, B. Two- and three-dimensional descriptions of objects for visual systems 4—32056
Radig, B. *see* Benn, W. 4—38074
Radilov, S.V. Monitoring metal level in melting units 4—61585
Radimer, B.M. *see* Pivec, A. 4—40518
Radin, H.W. *see* Pritchard, W.L. 4—38776
Radin, V.I. Development of new unified series of electric machines 4—34564
Radke, C.E. *see* Graf, M.C. 4—35761
Radke, G.L. Cable pilot project Munich: flexible limits 4—38842
Rad'ko, V.P. *see* Troitskii, V.A. 4—62016
Radmanesh, R. *see* Lindemann, B. 4—43792
Radmann, D. Car receivers: sometimes too weak—sometimes too loud 4—61000
Radmann, D. More comfort in the automobile: Gala for car radios, proper sound level at every speed 4—62776
Radniecka, A. *see* Mlynarek, G. 4—34836
Radonjic, I. *see* Djuric, M. 4—34602
Radonjic, I. *see* Duric, M. 4—34603
Radonyi, L., Gacs, I. Computerized evaluation and error analysis of the efficiency measurement of boilers 4—34386
Radosevich, R. *see* Robles, F. 4—40763
Radostitz, J.V. *see* Nolt, I.G. 4—39710
Radovanova, E.I. *see* Verenchikova, R.G. 4—30427
Radtke, G. LEW special heating plants with microelectronic path-time control 4—45757
Radu, D. *see* Sora, C. 4—59700
Radunz, U., Simon, U. Aspects of information processing in robot-operated automatic assembly systems 4—40849
Radutskii, A.M. *see* Siukaev, A.V. 4—39957
Radvany, J. *see* Szente, L. 4—41450
Radyuk, L.I. *see* Aleksandrov, I.N. 4—40232
Radzewicz, C. *see* Grochowski, J. 4—31319
Radzewitz, J. Timing for CCD sensors with microcomputers 4—61042
Radzimski, Z. *see* Kisza, M. 4—30499
Radzimski, Z. *see* Maternia, Z. 4—48984
Radzio, J. *see* Nawrocki, A. 4—61584
Radziwanowski, M. TgC-46 multichannel telegraphy equipment 4—43666
Rae, A.S. *see* Hill, B.M.E. 4—54812
Rae, J.W., Schmerbeck, T.J. Bandgap vernier trim 4—50948
Raeber, V., Mevillot, J.-C. Earthquake recording bridge 4—56262
Raev, V.K. *see* Bedertdinov, T.A. 4—37039
Raevskii, I.P., Bondarenko, E.I., Pavlov, A.N., Prokopalo, O.I. Distinctive features of the positive temperature resistance coefficient effect in $KNbO_3$ 4—58763
Rafat, H. *see* Allen, P. 4—36919
Raff, U. *see* Ritenour, E.R. 4—53932
Raffensperger, R. The broadband switch: a powerful bid for control of the automated office 4—32570
Raffin, M. *see* Allegre, J. 4—44890
Raffique, M. *see* Love, H.G. 4—49265
Raffnsoe, C. *see* Lakshmanan, A.R. 4—49329
Raffy, J. *see* Auge, J. 4—47280
Raffy, J. *see* Ayral, J.L. 4—37449
Raffy, J. *see* Ayral, J.-L. 4—47283
Raffy, J. *see* Pocholle, J.-P. 4—47282
Raftery, A.E. *see* Murtagh, F. 4—60212
Ragavendra Rao Potturi *see* Potturi Ragavendra Rao
Ragazzi, S. *see* Bellotti, E. 4—33635
Ragdale, C.M. *see* de Fornel, F. 4—52572
Rageb, M.H.S.A., Pearmain, A.J. An approach to the prediction of the lifetime of electrical insulations 4—42188
Raggett, R.J. Up, up and away in November 4—44049
Raghava, R.S., Fort, E.M., Patel, M.R., Boots, J.C. Design of composite supports for air gap stator windings for turbine generators 4—35517
Raghavan, P. *see* Thompson, C.D. 4—42132
Raghavan, R. Conceptual data model for a custom IC design system 4—58999
Raghavan, R., Sahni, S.K. The complexity of single row routing 4—52207
Raghunath, T.R. *see* LoVecchio, P. 4—36324
Raghurami Reddy, D. *see* Ganapathy, V. 4—41498
Raghuveer, M.R., Nikias, C.L. A parametric approach to bispectrum estimation 4—60116
Raghuveer, M.R. *see* Nikias, C.L. 4—37996
Ragland, J. Alternatives to fine-line design 4—41683
Ragnhult, I. *see* Dahlin, H. 4—44771
Ragoownsi, N.L., Eswaran, M.A., Kumar, S., Chakrabarty, D.R., Oza, H.H. A position sensitive proportional detector suitable for use at the focal plane of a magnetic spectrograph 4—33733
Ragozin, A.A. *see* Pleshkova, T.A. 4—62510
Ragul'skii, V.V. *see* Pilipetskii, N.F. 4—42711
Rahali, F. An accurate 2-D simulation program of MOS transistors using the finite element method, and interfaced to other process simulation programs 4—36517
Rahder, Ch., Reiche, A., Lehmann, G. Remarks on the application of a multivariable feedback control with a large steam generator 4—34417
Rahier, M.C. *see* Guebels, P.P. 4—54555
Rahim, A.H.M.Abdur *see* Abdur Rahim, A.H.M.
Rahim, Y.H.A., Prior, D.L., Jones, C.V. Air-cored alternators: a numerical-analytical transient field model 4—56966
Rahimi, A., Bakeshloo, A.A., Lucas, C. A new approach to saturated growth processes with application to oil reserve estimation 4—34262
Rahimi, A. *see* Lucas, C. 4—29193
Rahlin, M.Y. *see* Torchinskaya, T.V. 4—51552
Rahman, M.A., Little, T.A. Dynamic performance analysis of permanent magnet synchronous motors 4—56959
Rahman, M.A. *see* Osheiba, A.M. 4—34632
Rahman, M.F., Bell, R. Loading characteristic and optimum switching conditions of multistack variable reluctance type stepping motors 4—40273
Rahman, M.H., Anderson, J.E. Design of a concentrator for the Canadian Forces supply system 4—32421
Rahman, M.M. *see* Husain, S.R. 4—39627
Rahman, M.Mahmudur *see* Mahmudur Rahman, M.
Rahman, S. A microcomputer-based planning tool for wind energy development 4—34509
Rahman, S., Chowdhury, B.H. Effects of clusters and arrays on WECS output 4—40187
Rahman, S., Frair, L.C. A hierarchical approach to electric utility planning 4—49493
Rahman, S. *see* Bhatnagar, R. 4—62081

Rahmann, F.-J., Schemmann, B. SF_6-insulated medium voltage switching equipment—intersection point question solved 4—62654
Rahmat-Samii, Y. A comparison between GO/aperture-field and physical-optics methods of offset reflectors 4—37715
Rai, R.K. *see* Acharya, B.L. 4—59747
Rai-Choudhury, P. *see* Rohatgi, A. 4—45635
Raibert, M.H. An all digital VLSI tactile array sensor 4—49017
Raibole, U.P. *see* Sadani, L.K. 4—33979
Raicu, B. Application of high-current ion-implantation systems in semiconductor-device technology 4—36797
Raider, J.W. *see* Cook, P.A. 4—40278
Raigorodskii, V.M. *see* Adlivankin, A.S. 4—42661
Raikerus, P.A. *see* Laleko, V.A. 4—30396
Raikhlin, V.A. Logic-in-memory arrays application and synthesis 4—51188
Raikhman, A.Z. *see* Shastin, A.G. 4—58099
Raikov, V.M. Procedure for determining the colour characteristics of light sources 4—49026
Raimo, A. *see* Cranmer, J.M. 4—34199
Raimondi, T. *see* Alonge, F. 4—34982, 4—50145
Raina, M.K., Uppal, G.S. Frequency dependence of rain attenuation measurements at microwave frequencies 4—31640
Rainal, A.J. Computing inductive noise of chip packages 4—37613
Raine, H.R. *see* Bouchard, M. 4—32760
Rainer, A., Ulbrich, W., Gazsi, L. Adder-based digital signal processor architecture for 80 ns cycle time 4—60072
Rainer, F., Milam, D., Lowdermilk, W.H. Laser damage thresholds of thin film optical coatings at 248 nm 4—37435
Rainer, F. *see* Tuttle Hart, T. 4—37192
Raines, F. *see* Spenser, K. 4—48203
Rainger, P. DBS technical standards 4—38821
Rains, R.G. *see* Sobottka, S.E. 4—33668
Raisanen, A.V. *see* Lehto, A.O. 4—58896
Raisanen, A.V. *see* Predmore, C.R. 4—44197
Raisic, N. Nuclear safety standards for quality assurance 4—56749
Raisin, C., Vieujot-Testemale, E., Ben Brahim, A., Palau, J.M., Lassabatere, L. Work function measurements during growth of ultra thin films of SiO_2 on characterized silicon surfaces 4—46963
Raisin, I.B. *see* Adas'ko, V.I. 4—34685
Raisman, J.M. The future for fossil fuels—a global perspective 4—56715
Raistrick, I.D. *see* Godshall, N.A. 4—45596
Raitala, J., Hurskainen, R. A note on computer-aided planetary remote sensing 4—56340
Raitchev, R.M., Petrov, I. Influence of the absorption of the capacitor in the integrator of a double-integrating analogue-digital converter 4—41408
Raitchev, R.M., Petrov, I. Method for the suppression of network interference in double-integrating digital voltmeters 4—48929
Raitt, W.J., Siskind, D.E., Banks, P.M., Williamson, P.R. Measurements of the thermal plasma environment of the Space Shuttle 4—33919
Raiunec, A.E. *see* Villalba, J.R. 4—45334
Raizada, V., Schroeder, K., Greene, E.R. Echo-Doppler angle determination for noninvasive transmitral blood velocity calculations in normal and porcine bioprosthetic mitral valves 4—55771
Raj, I.Arul *see* Arul Raj, I.
Raj Kumar, K.Phani *see* Phani Raj Kumar, K.
Raja Rao, C. *see* Chandra Mouly, M.C. 4—38961
Rajagopalan, V., Jacob, A., Sevigny, A., Nguy, T.N., Audy, L. Harmonic currents compensation scheme for electrical distribution systems 4—57214
Rajagopalan, V. *see* Letendre, R. 4—34142
Rajagopalarao, P. *see* El-Shirbeeny, El-H.T. 4—50346
Rajaiah, K *see* Seshadri, T.K. 4—53243
Rajala, S.A. *see* Alexander, S.T. 4—47903, 4—60263
Rajala, S.A. *see* Groves, M.H. 4—53937
Rajan, J.A. On the histograms of the correlation functions of product codes 4—59908
Rajan, P.K., Reddy, H.C. On the geometrical multiplication and division of phasors 4—29322
Rajan, P.K., Reddy, H.C. Studies on transformation functions for 2-D FIR filter design 4—51473
Rajan, P.K. *see* Reddy, H.C. 4—51472
Rajan, Y.S., Ninan, J. International scene in remote sensing 4—61904
Rajappan, K.P. *see* Balasubramanian, K. 4—39953
Rajappan, K.P. *see* Balasubramonian, K. 4—32951, 4—32952, 4—44233, 4—44429
Rajaraman, K., Nagaraja, S.K. An elevator speed-control system using squirrel-cage induction motors 4—50148
Rajaraman, K.C., Grant, D.A. Design of phase-change two-speed windings for induction motors, using pole-amplitude modulation techniques [comments and reply] 4—62527
Rajaraman, M.K. Performance measures for a local network 4—60525
Rajaratnam, A. *see* Neelakantaswamy, P.S. 4—44711
Rajbenbach, H. *see* Refregier, P. 4—53057
Rajeevakumar, T.V., Stuck, G.J. Soliton bit-organized memory 4—47220
Rajeevakumar, T.V., Stuck, G.J. Soliton ROM 4—51215
Rajeevakumar, T.V., Zappe, H.H. Soliton shooter logic 4—46430
Rajeevakumar, T.V., Zappe, H.H. AC powered soliton device 4—47219
Rajeevakumar, T.V., Zappe, H.H. Soliton NDRO memory cell 4—51212
Rajeevakumar, T.V. *see* Kaplan, S.B. 4—51038
Rajendran, N., Sid-Ahmed, M.A., Shridhar, M. Critical evaluation of image thresholding techniques for online parts inspection 4—50581
Rajendran, N., Sid-Ahmed, M.A., Soltis, J.J. Multi-level thresholding and its application to feature extraction in machine parts 4—60244
Rajeshwar, K. *see* Bhattacharya, R.N. 4—46234
Rajeswaran, G., Tafto, J., Sabatini, R.L., Vanier, P.E. Crystallinity, morphology, and conductivity of boron-doped microcrystalline silicon 4—58726
Rajinikanth, M. *see* Rao, M.V.C. 4—46126
Rajkai, G. Digital instruments in acoustical measuring technique 4—31973
Rajniak, I. *see* Mackuliak, D. 4—61596
Rajput, A.Q.K. The design of the two-channel optimum detector for nearly known frequency 4—43296
Rajput, A.Q.K., Kanefsky, M. The detection of the electromagnetic sinusoidal burst in the presence of correlated noise 4—53581
Raju, G.R.Govinda *see* Govinda Raju, G.R.
Raju, K. *see* Sunder, R. 4—35528
Raju, L. Epoxy resin rich system for electrical machines 4—30881
Raju, P.T. Single channel per carrier system 4—38548
Raju, V.Reddy *see* Reddy Raju, V.
Rajulu, R.G. Microprocessors in process control 4—51289
Rak, D., Ledoux, I., Huignard, J.P. Two-wave mixing and energy transfer in $BaTiO_3$ application to laser beamsteering 4—31484
Rakant, M.I. *see* Gel'man, G.A. 4—45776
Rakauskas, G. *see* Lenzini, R. 4—43763
Rakcheev, D.P., Tolstikov, A.S. Selection of image resolution parameters of television-based system for recognising group of point objects 4—32032
Rakcheev, D.P. *see* Efimov, V.V. 4—39154
Rake, F., Tasker, R., Kummer, P. Performance measurements of an Ethernet local area network 4—60493
Rakhakrishnan, D., Whitaker, S., Maki, G. Formal design procedures for pass transistor switching circuits 4—58278
Rakhaval'skii, M.P. *see* Bogatov, A.P. 4—31395
Rakhimov, V.F. *see* Domashevskii, B.N. 4—58092
Rakhmanov, N.R. *see* Guseinov, F.G. 4—56400
Rakhovskii, V.I. Estimating current density in a vacuum-arc cathode spot 4—55618
Rakhovskii, V.I. *see* Granovskii, V.V. 4—50788
Rakhvalov, V.V. Fourth-order time correlation functions of laser radiation 4—31462
Rakhval'skii, M.P. *see* Bogatov, A.P. 4—59548
Rakic, J. *see* Sirotic, Z. 4—56938
Rakich, J.V., Venkatapathy, E., Tannehill, J.C., Prabhu, D. Numerical solution of Space Shuttle Orbiter flowfield 4—33915
Rakotch, E. *see* Navot, I. 4—50882
Rakov, V.V. *see* Kistova, E.M. 4—41050
Rakovska, V.K., Devedjiev, V.A., Lefterova, L.E. Tester for numerical cards, realised on the basis of a programme simulating system 4—44407
Rakovskii, V.V. *see* Zhuravleva, L.I. 4—48675
Rakowski, M., Rosinski, A.T. Characteristics of 8-bit single-chip microcomputers, the INTEL 8048 example 4—58374
Rakowski, R. Parameters of the shape and asymmetry scatter of analog device errors [indicating instruments] 4—44552
Rakshit, S., Chakraborti, N.B., Sarin, R. Scheme for detection of subcarrier modulated optical signals using switched parametric amplification 4—55479
Rakshit, S. *see* Chakraborti, N.B. 4—58894
Ralarmo, R. Radio link system DR 34+34-6800 4—43961
Ralarosy, J. *see* Debeauvais, M. 4—55943
Raleigh, M. *see* Dwyer, T.J. 4—31753
Rall, W.F. *see* Rosenthal, M. 4—61773
Ralph, J.W., Williamson, S. Solution of two-dimensional non-linear field problems with sinusoidal excitation sources using first-order finite elements 4—31556
Ralston, L.M. An evaluation of photochromic and photodichroic materials for write, read, erase applications 4—52529
Ram, B. *see* Tripathy, S.C. 4—34606
Rama Rao, K.V.S. *see* Seshu Bai, V. 4—31050
Rama Rao, P.N. *see* Govil, R. 4—49067
Ramachandra Murty, A.S. Solution of algebraic matrix Riccati equation by Newton-Raphson method 4—62143
Ramachandran, C.K., Bapna, S.C., Thirumaleshwar, M. Cryopumping 4—61870
Ramachandran, G., Jujii, S. Fast signal processor comes rich with memory, I/O lines on CMOS chip 4—41373
Ramachandran, G. *see* Kent, C. 4—41428
Ramachandran, K. *see* Iyer, S.R. 4—56458
Ramachandran, V. Comments on 'Stability analysis of induction motor drives using phase-locked loop control systems' by P.C. Sen and M.L. MacDonald 4—50122
Ramachandran, V. *see* Ahmad, M.O. 4—41167, 4—53746
Ramachandran, V. *see* Ahmadi, M. 4—51444, 4—53943
Ramachandran, V. *see* Gargour, C.S. 4—41482
Ramachandran, V. *see* Shankar, K. 4—41168
Ramachandran, V. *see* Vaya, P.R. 4—46836
Ramachari, S.M. *see* Malik, N.R. 4—37911
Ramadhan, F.A.S.Al *see* Al Ramadhan, F.A.S.
Ramakrishna, J. *see* Das, B.N. 4—44586
Ramakrishna, K. *see* Kumar, A.D. 4—55713
Ramakrishna, K. *see* Necsulescu, D.S. 4—34134
Ramakrishna, S. *see* Somayajulu, Y.V. 4—47613
Ramakrishna, T.V. *see* Selvapathy, T.P. 4—56337
Ramakrishnan, L. *see* Patnaik, L.M. 4—30172
Ramakrishnan, S., Sundaram, S., Sannabhadti, R.S., Chandra, G. A system for measuring superconducting transition temperature 4—55724
Ramakrishnan, S. *see* Bobde, D.P. 4—32360
Ramakumar, R. *see* Ashenayi, K. 4—49664
Ramakumar, R. *see* Khider, A.M. 4—49898
Ramamoorthi, A.S. Snow-melt run-off studies using remote sensing data 4—62001
Ramamurthi, B., Gersho, A. Image vector quantization with a perceptually-based cell classifier 4—60246
Ramamurthi, B., Gersho, A. Edge-oriented spatial filtering of images with application to post-processing of vector quantized images 4—60268
Ramamurthi, B. *see* Cheng, D.-Y. 4—53919
Ramamurthy, S.S. *see* Khemka, P.K. 4—33613
Ramamurthy, V., Bhat, K.N., Kakati, D. Computer-aided thermal analysis of reverse-biased PIN diodes 4—42027
Ramamurthy, V. *see* Vaya, P.R. 4—58874
Raman, R. Applications of personal computers to electrical power distribution system design and analysis 4—34135
Raman, R. *see* Chang, J.-S. 4—56768
Raman, S., Yegnanaryana, B. Performance of isolated word recognition system for confusable vocabulary 4—59968
Ramana Yogi, M.Venkata *see* Venkata Ramana Yogi, M.
Ramanath, M.V.S. *see* Atkinson, H.H. 4—43404
Ramanathan, K. *see* Sharif, M.N. 4—40764
Ramaseshu, Y., Kalyanasundaram, P. A technique for accurate measurement of 'ultrasonic transit time' using a single transducer 4—49046
Ramaswamy, V., Suchoski, P.G. Power loss at a step discontinuity in an asymmetrical dielectric slab waveguide 4—47259
Ramaswamy, V. *see* Lagu, R.K. 4—52544
Ramazanzade, M.G. *see* Askerov, D.D. 4—41900
Ramberg, E. *see* Reitsema, H.J. 4—53835
Rameika, R., Cox, B., Jenkins, C.M., Judd, D.J., Hale, G., Mazur, P.O., Murphy, C.T., Turkot, F., Wagoner, D.E., Conetti, S., Haire, M., Lebrun, P., Leroy, C., Ryan, T., Turnbull, L., Gearhart, R.A., Shen, C. Measurement of electromagnetic shower position and size with a saturated avalanche tube hodoscope and a fine grained scintillation hodoscope 4—33678
Rameika, R. *see* Wagoner, D.E. 4—33676
Ramer, D.J., Struck, J.K. Submunition aimpoint sensing 4—48759
Ramer, O.G., Nelson, M.D. Integrated-optic gyro chip 4—52626
Ramesh, K.V. *see* Shukla, A.K. 4—50115
Ramesh, T. *see* Wade, T.E. 4—58816
Ramette, J. *see* Bombarda, F. 4—55827
Ramian, G. *see* Elias, L. 4—47489
Ramian, G.J. *see* Elias, L.R. 4—47372
Ramiller, C.L. *see* Broadbent, E.K. 4—50819
Ramio Aguirre, J., Rivero Laguna, J. Transmission of voice packets through a multiservice switching network. I. General analysis 4—32601
Ramirez, A.M. *see* Bailey, J.A. 4—52456
Ramirez, C. *see* Romano, R. 4—39824
Ramirez, H. *see* Harmon, J. 4—44166
Ramirez, M.A. Built-in-test self-verification 4—46047
Ramirez, R. A 'home-grown' approach to automatic testing 4—33111
Ramirez-Angulo, J. Improving circuit yield by one dimensional random exploration of the acceptability region 4—41161
Ramirez-Jimenez, F.J. *see* Jimenez-Dominguez, H. 4—33777, 4—61346
Ramkumar, K. *see* Nagaraj, K. 4—30066, 4—41458
Ramkumar, K. *see* Venkata Ramana Yogi, M. 4—58173
Ramli, A.G., Durrani, S.A. A flat dose-equivalent-response dosimeter for fast neutrons using CR-39. I. Experimental 4—55924

Ramli, A.G., Durrani, S.A. A flat dose-equivalent-response dosimeter for fast neutrons using CR 39. II. Mathematical model 4—55925
Ramli, A.G., Green, P.F., Watt, S., Durrani, S.A. A microprocessor-based track-measuring system 4—55910
Ramli, A.G. *see* Harvey, J.R. 4—55920
Ramm, G. A DC transformer with low coupling capacity 4—34708
Rammig, F.J. Hierarchical modulator description of VLSI systems 4—52254
Rammig, F.J. *see* Baudet, G.M. 4—50911
Ramolini, A. Custom-VLSI on DPS4 architecture 4—58389
Ramos, E. Automatic switching of a voltmeter polarity 4—39232
Ramos, E. Suspended-substrate line antenna fits 12-GHz satellite applications 4—42972
Ramos, E. A lamp lighting sequencer 4—57538
Ramos, M. *see* Puchal, H. 4—49189
Ramos, R., Valderrama, E., Huguet, L., Aguilo, J. A cipher/decipher module for RSA codes 4—53409
Ramotowski, E. Equipment for drying and curing organic coats on printed-circuit boards 4—46714
Ramoul, D. *see* Conan, A. 4—51806
Ramovic, R. *see* Tjapkin, D. 4—46850
Rampacek, J. *see* Bean, P. 4—44421
Ramponi, R. *see* Docchio, F. 4—37408
Ramprakash, Y. *see* Bose, D.N. 4—46896
Ramsay, F.R. An engineers design workstation for the autolayout of ULA gate arrays 4—29828
Ramsdale, M.L. Use of the Leeds test objects in the performance testing of diagnostic radiology image-intensifier-television systems 4—39558
Ramsey, J.N. Small area molecular analysis as applied in the microelectronics industry 4—36717
Ramsey, J.N. *see* Popek, K.M. 4—46736
Ramsey, K. *see* Fry, T. 4—44251
Ramsey, N.F. History of atomic frequency standards 4—38998
Ramsey, R.D. British-American differences in satellite teleconferences 4—38890
Ramsey, W.E. Navigation satellites: their future potential 4—54915
Ramseyer, R. *see* Kishimoto, Z. 4—52247
Ramshaw, R.S., Carr, J., Venkataramana, A. Static var systems 4—34106
Ramshaw, R.S., Wormald, D.S., de St. Croix, N.L., Ferguson, W.J., Sankaranarayanan, A. Solar cell powered pumping system with power electronic control 4—34957
Ramshaw, R.S., Xie, G. Nonlinear model of non-salient synchronous machines 4—56969
Ramskov-Hansen, J.J. *see* Day, G.W. 4—31193
Ramstad, T. *see* Gersho, A. 4—53522
Ramstead, T.A. Digital method for conversion between arbitrary sampling frequencies 4—47850
Rana, V.V.S. *see* Nelson, T.J. 4—37036
Ranade, S.T. *see* Brandt, D.P. 4—45076
Ranaudo, J.T. Cost optimization of Hi-Rel microwave qualification testing 4—49372
Rancatore, R.J. *see* Merriam, R.L. 4—40624
Rance, J. Local area network standards—IEEE project 802 4—43824
Rance, L. Management and implementation of the SICTRE project 4—39832
Ranchouux, B. *see* Deneuville, A. 4—50803
Rancourt, J.D. Anti-halo coatings for cathode ray tube faceplates 4—55606
Rancy, F. *see* Bousquet, J.-C. 4—54660
Rand, A. Decentralisation offers autonomy without loss of control 4—32356
Rand, D.A.J. Lead/acid—still top of the galvanic traction pile in 1983 4—34848
Rand, D.A.J. *see* Harris, K. 4—45592
Rand, P.S. Designing a two-band loaded vertical antenna 4—31759
Randak, O., Cichon, S. SUPERPROTECTION, protective system of power station blocks of very high reliability 4—45237
Randall, E.W. A microprocessor-based data monitoring and control system for a continuous ion exchange plant 4—50275
Rander, J. *see* Chase, R.L. 4—39426
Rando, F. *see* Alonge, F. 4—34982, 4—50145
Randolph, J.B. *see* Motschman, D.R. 4—30216
Randolph, J.P. *see* Jenkins, J.O. 4—48808
Randolph, W.B. A little gem for QRP [terminated folded dipole antenna] 4—37730
Rands, M. Imperial County of California geothermal development summary report. Activities 1979-82. Part I 4—49791
Ranea-Sandoval, H.F. *see* Tocho, J.O. 4—59466
Raney, R.K. Synthetic aperture radar imagery 4—32847
Raney, R.K. Ice and remote sensing radar satellite imagery 4—39737
Ranganadha Rao, V. *see* Chandra Mouly, M.C. 4—38961
Ranganadha Rao, V. *see* Mouly, M.C.C. 4—59871
Ranganadhachari, M.V.S.S., Singh, B.P., Anbarasu, R., Arockiasamy, R. Experimental investigations on line commutated inverter-synchronous machine as a variable frequency source 4—62609
Ranganadhachari, M.V.S.S., Singh, B.P., Anbarasu, R., Arockiasamy, R. Experimental investigations on steady state performance of commutatorless machine induction motor system 4—45446
Ranganath, H.S., Greene, R.J. Moving histograms for object location 4—60272
Ranganath, V.R. A new high performance CMOS microcomputer 4—51313
Ranganath, V.R. *see* Arat, V. 4—53779
Ranganathan, V.T., Ziogas, P.D., Stefanovic, V.R. Performance characteristics of high-frequency links under forward and regenerative power flow conditions 4—57225
Rangarajan, N. *see* Juliana, M. 4—34898
Ranghelli, J., Moravchik, J. Space qualified L-band triplexer for Global Positioning Satellite 4—38734
Ranghelli, J. *see* Gorder, G. 4—38710
Rangoni, F., Zini, R., De Pietra, G. A new 35 channels instrument for on line recording of body surface or epicardial electromaps 4—49240
Rangyuan Wu *see* Wu Rangyuan
Ranke, H. *see* Feuerstein, A. 4—44287
Ranken, W.A., Koenig, D.R. Neutronic and thermal design considerations for heat pipe reactors 4—40044
Rankin, D.M. *see* Whaley, H. 4—62340
Rankin, J.B. *see* Gopinath, A. 4—58940
Rankin, J.S. *see* Davis, J.W. 4—56106
Rankis, G.Zh. The model of initial magnetic permeability of polycrystalline ferrites 4—52453
Rankis, G.Zh. Comparison of the theory of initial magnetic permeability with the experiment 4—52454
Ran'kis, I.Ya., Bezsmertny, A.I. Design aspects of electrical equipment for battery operated electric vehicles with pulse speed control 4—62746
Ranky, M. *see* Akatov, Yu.A. 4—61841
Rannacher, R. Finite element solution of diffusion problems with irregular data 4—35418
Ranpura, A.D. A current compensation system for an atmospheric Cherenkov detector 4—55829
Ransom, J.P., II US Navy's deep submergence forces 4—56334
Ransome, S.J. *see* Nicholas, J.M.C. 4—36080
Ranu, H.S. *see* Hale, P.N., Jr. 4—49126
Rao, B.B. *see* Thayer, M. 4—45638
Rao, B.U.Maheshwar *see* Maheshwar Rao, B.U.
Rao, B.V. *see* Nawathe, S.P. 4—60891
Rao, B.V.Subba *see* Subba Rao, B.V.
Rao, C.K.Nagaraja *see* Nagaraja Rao, C.K.
Rao, C.Raja *see* Raja Rao, C.
Rao, C.S., Nag Sarkar, T.K. Half wave thyristor controlled dynamic brake to improve transient stability 4—45425
Rao, D.K. *see* Majhi, J. 4—51887
Rao, D.Narayana *see* Narayana Rao, D.
Rao, D.V.Bhaskar *see* Bhaskar Rao, D.V.
Rao, D.V.G.L.Narasimha *see* Narasimha Rao, D.V.G.L.
Rao, G.Sridhara *see* Sridhara Rao, G.
Rao, G.V.Subba *see* Subba Rao, G.V.
Rao, J.B.L. Bicollimated Gregorian reflector antenna 4—31764
Rao, K. *see* Mircea, A. 4—41092
Rao, K.R. *see* Kappagantula, S. 4—53818
Rao, K.R. *see* Li, C.E. 4—53385
Rao, K.R. *see* Srinivasan, R. 4—60026, 4—60233
Rao, K.R. *see* Venkatraman, S. 4—38018
Rao, K.Radhakrishna *see* Radhakrishna Rao, K.
Rao, K.S., Shafai, L. Radiation characteristics of a space-fed planar phased array 4—31786
Rao, K.S., Shafai, L. GTD analysis of the cross-polar radiated fields of corrugated conical horns 4—31801
Rao, K.S. *see* Shafai, L. 4—31800
Rao, K.Sudhakar *see* Sudhakar Rao, K.
Rao, K.S.Prakasa *see* Prakasa Rao, K.S.
Rao, K.Venkata *see* Venkata Rao, K.
Rao, K.Venkateswara *see* Venkateswara Rao, K.
Rao, K.V.Seshagiri *see* Seshagiri Rao, K.V.
Rao, K.V.S.Rama *see* Rama Rao, K.V.S.
Rao, M.G. *see* Bharti, P.L. 4—58634
Rao, M.Mukunda *see* Mukunda Rao, M.
Rao, M.V.C., Chandra, K.S., Rajinikanth, M. Unidimensional curve fitting search schemes revisited for multidimensional optimization algorithms 4—46126
Rao, M.V.S. *see* Prusty, S. 4—58576
Rao, N.D., Balasubramanian, R. Digital simulation of dynamic overvoltages due to load rejection followed by a single-line-to-ground fault 4—34101
Rao, N.V. *see* van de Berg, J. 4—54943
Rao, P.N.Rama *see* Rama Rao, P.N.
Rao, P.S.Nagendra *see* Nagendra Rao, P.S.
Rao, P.V.Vasudeva *see* Vasudeva Rao, P.V.
Rao, R.S., Christensen, G.S., El-Hawary, M.E. Optimal load flow of variable head-thermal systems 4—34480
Rao, S.K., Kailath, T. Pipelined orthogonal digital lattice filters 4—51466
Rao, S.M. *see* Sarkar, T.K. 4—47680
Rao, S.M. *see* Wilton, D.R. 4—37516
Rao, S.R., Nagabhooshanam, M., Hari Babu, V. Electrical properties of annealed InSb thin films 4—30334
Rao, S.S. *see* Horwedel, M.S. 4—60122
Rao, T.A.Prasada *see* Prasada Rao, T.A.
Rao, T.S., Yar, M. Demodulation of PM signal in the presence of white Gaussian noise 4—37823
Rao, T.V., Dutta, V., Sastry, O.S., Chopra, K.L. Electron beam induced current technique using a scanning Auger microprobe 4—50579
Rao, U.R., Chandrasekhar, S. International issues in remote sensing 4—61905
Rao, U.V.Gopal *see* Gopal Rao, U.V.
Rao, V. PLA shoulders processor's checksum chores for faster data transfer 4—58307
Rao, V.B., Koyama, R.Y. The effect of various encapsulants on the electrical properties of implanted layers in GaAs 4—51989
Rao, V.B., Trick, T.N., Hajj, I.N. A table-driven delay-operator approach to timing simulation of MOS VLSI circuits 4—30778
Rao, V.Ranganadha *see* Ranganadha Rao, V.
Rao, V.Subba *see* Subba Rao, V.
Rao, V.V. *see* Prakash, S. 4—47837
Rao, Y.N. *see* Gopal, S. 4—49618
Rao Potturi Ragavendra *see* Potturi Ragavendra Rao
Raoul, C. *see* Brand, C. 4—33639
Rapcsak, T. The optimality conditions of the nonlinear programming problems and differential geometry 4—40968
Rapoport, Yu.M. *see* Voronova, M.T. 4—58097
Rappaport, A. EDN semicustom-IC design series. V. Hands-on function conversion begins semicustom-IC integration 4—29750
Rappaport, A. First CMOS reprogrammable logic array specs low power and UV erasability 4—41292
Rappaport, A. Data transfer and chip layout ready IC for production 4—42088
Rappaport, A. Vendor-generated layouts complete semicustom chip designs 4—42156
Rappaport, A. Hands-on chip analyses determine project success semicustom IC design 4—51114
Rappaport, A. Simple functional tester verifies chip performance 4—61197
Rappaport, D. A linear algorithm for eliminating hidden-lines from restricted polyhedra 4—43043
Rappaport, I.S. How to best protect your type of software 4—50410
Rappaport, S.S., Grieco, D.M. Spread-spectrum signal acquisition: methods and technology 4—54626
Rappaport, S.S. *see* Lester, H.L. 4—32709
Rappaport, S.S. *see* Putman, C.A. 4—37957
Rappart, A. Electrical distribution networks 4—34165
Rappl, W. *see* Abmayr, W. 4—38062
Raptis, A.C. *see* Gopalsai, N. 4—55732
Raptis, A.C. *see* Sheen, S.H. 4—55759
Raridon, R.J. *see* McGaffey, R.W. 4—61655
Raridon, R.J. *see* Whealton, J.H. 4—61654
Rarivomanana, J. *see* Amblard, P. 4—30734, 4—36762
Rasenbeg, C.J.F.M. *see* Huisman, H.F. 4—30987
Raseta, M., Busti, T., Bek, Z. The testing of synchronous turbogenerators 4—56971
Raseta, M., Knezovic, N. Balance testing and testing for overspeed of turbogenerator rotors 4—56940
Rash, W., Jr. A cheap, easy-to-build 10 meter beam 4—47693
Rashid, A.F. The calculation of load currents of a finite size braided coaxial cable illuminated by an electromagnetic field from outside 4—59791
Rashid, M.H. Regenerative characteristics of DC chopper controlled series motors 4—45460
Rashid, M.H., Chowdhury, N.A. Comparative losses of forced-commutated and gate turn-off thyristor choppers 4—49978
Rashid, M.H., Sood, V.K. Comparative evaluations of thyristor choppers for railway applications 4—62639
Rashkes, V.S. *see* Belyakov, N.N. 4—39896, 4—39935
Rashkinis, A.V. *see* Bloznyalis, M.Yu. 4—34182
Rashleigh, S.C. Characterization and performance of polarization-preserving fibers 4—52606
Rashleigh, S.C. *see* Marrone, M.J. 4—42364
Rashleigh, S.C. *see* Nosu, K. 4—52742
Rashwan, M.M. *see* Brandt, D.P. 4—45076
Rasin, C. *see* Vieujot-Testemale, E. 4—30556
Raskin, D., Smith, C.H. Applications of amorphous metals: progress and prospects 4—30944
Rasmussen, F. *see* Dell, R.M. 4—45613
Rasmussen, J. Determining burn-in effectiveness 4—35337
Rasmusson, P.R. Transformer economic evaluation 4—49934
Raso, G. *see* Amendolia, S.R. 4—49068
Raso, V.J. *see* Warman, K. 4—56154
Rasolondramanitra, H., Cutler, M. Measurement of electrical conductivity and thermopower of liquid semiconductors 4—39270
Rasor, N.S. *see* Wetch, J.R. 4—40491
Rasset, T.L., Hanna, W.A., Wallace, L.N. A high-speed MIL-STD-1750A CMOS/SOS microprocessor [avionics application] 4—49404
Rassokhin, N.G. *see* Styrikovich, M.A. 4—39966
Rassow, J. Medical cyclotron facilities—useful tools for clinical therapy, diagnosis and analysis 4—39595

Rassy, E.I. *see* Shimansky, D. 4—35296
Rast, G.J., Jr. *see* Freude, W. 4—44606
Rastgoufard, P. *see* Schlueter, R.A. 4—45383
Rastogi, P.K. Comparative holographic moire interferometry in real time 4—31500
Rastogi, P.K. A real-time holographic moire technique for the measurement of slope change 4—31511
Rastorguev, N.P. *see* Gel'man, M.V. 4—41199
Rastorguev V.N. *see* Antonov, Yu.N. 4—56279
Rastrigin, L.A. *see* Kutsevalov, D.V. 4—43728
Rasulov, D.T., Akhmedov, R. Thin-film solar cell on the basis of polycrystalline cadmium telluride 4—50063
Rasulov, R.Ya. *see* Ivchenko, E.L. 4—46790
Rasulov, T.M., Bykov, V.E., Vezirov, O.Yu. A method for calculating the error of a voltage measurement transformer with nonsinusoidal voltage 4—34720
Rasulova, G.K. *see* Akimchenko, I.P. 4—36298
Ratajczyk, E. Effects of temperature on the readings of measurement heads 4—33478
Ratajczyk, E. Mathematical analysis of repeatability errors of measuring instruments 4—48848
Ratajewicz, Z., Zlonkiewicz, Z. Performance tests of Ag-Pd contacts obtained galvanically 4—58591
Ratanov, G.S. *see* Beketov, N.P. 4—48788
Ratcliffe, S. The history of airborne collision avoidance devices 4—33940
Ratford, V. A test strategy for embedded memory in a single board computer 4—50499
Rath, D. *see* von der Haar, F. 4—56179
Rath, D.L. *see* Arbach, G.V. 4—33310
Rath, J. Power generation using solar arrays 4—34874
Rathbun, L. *see* Capani, P.M. 4—42049
Rathbun, W.H., Slocik, J.P. Technology development for advanced concepts in gas-insulated power transformers 4—49940
Rathge, R.D. *see* Schlie, L.A. 4—37302
Rathier, G. *see* Berry, G. 4—38391
Rathman, D.D., Vojak, B.A., Astolfi, D.K., Stern, L.A. The effect of base-Schottky geometry on Si PBT device performance 4—47012
Rathnam, S., Bahramian, H., Laurent, D., Han, Y.-P. An optimized 0.5 micron LDD transistor 4—36628
Rathore, T.S. Digital integrator time constant measurement 4—39326
Rathore, T.S. A versatile astable multivibrator 4—46394
Rathore, T.S., Kumar, P.P. Voltage-to-frequency converter with adjustable duty cycle 4—41534
Rathore, T.S., Mombasawala, L.S. An accurate digital phase measurement scheme 4—39261
Ratkay, Z. *see* Csathy, K. 4—55168
Ratkevich, V.K. *see* Alekseev, I.A. 4—42560
Ratna Kumar, B.V., Sathyanrayana, S. Open-circuit potential—time of the magnesium anode 4—34828
Ratnam, B.A. Hydrostatic-pressure independence of $1/f$ noise of Si diodes 4—52057
Ratnam, P., Salama, C.A.T. A new approach to the modeling of nonuniformly doped short-channel MOSFETs 4—58926
Ratner, T.G. *see* Lyutova, N.A. 4—39580
Ratsin, Yu.V. Formal description of aggregates of a generalised model of interaction processes in computer networks 4—43483
Ratsin, Yu.V. *see* Bogomolov, L.P. 4—43482
Rattien, S. *see* Silberglitt, R. 4—40607
Rattray, H.D. The calibration of ultrasonic equipment for measuring tube wall thickness 4—33485
Ratynskiy, M.V., Shekhovtsev, V.V., Bychikhin, Yu.Z. Design of characteristics of multichannel antenna-receiving systems 4—31781
Ratzek, R. *see* Drexler, J. 4—39419
Ratzlaff, E.H., Harfmann, R.G., Crouch, S.R. Absorption-corrected fiber optic fluorometer 4—42327
Ratzsch, M.T. *see* Patz, R. 4—42718
Rau, F. *see* Brossmann, U. 4—47230
Rau, N.S., Necsulescu, C. Economics of energy storage devices in interconnected systems—a new approach 4—56450
Rau, R.S.N. *see* Ron, P.H. 4—46750
Rau, W. High-performance test system for digital boards 4—61230
Raucci, R.F. The network—videotex applications 4—54214
Raudorf, T.W., Trammell, R.C., Wagner, S., Pehl, R.H. Performance of reverse electrode HPGe coaxial detectors after light damage by fast neutrons 4—33698
Raudszus, W. Gas-tight Ni-Cd accumulators as economic power sources for measuring and automatic control installations 4—34856
Raue, J.E. EHF waveguide filters 4—30084
Raue, J.E. EHF satellite communications technology—transmitters and receivers 4—38570
Raue, J.E. EHF solid state transmitters for satellite communications 4—48447
Raue, M. Choice of voltage level in industrial systems 4—49592
Rauer, D.K. *see* Barton, J.R. 4—34768
Rauh, A., Seelert, W. The Betz optimum efficiency for windmills 4—45369
Rauh, H., Ikeda, S., Watanabe, N. Experimental study of the time-focusing effect in a resonance detector neutron spectrometer 4—61728
Rauh, H., Watanabe, N. Detector resolution in a resonance detector neutron spectrometer 4—55986
Rauh, T.R. Buying service or merchandising tool? 4—54226
Rauhala, K.R. Antenna coupling unit to measure satellite space-link electrical performance within simulated space environment 4—37751
Raukhman, M.R. *see* Zemskov, V.S. 4—29441
Raulin, J.M. *see* Jeandot, J.L. 4—37838
Rault, J. *see* Kishimoto, Z. 4—52247
Rauluszkiewicz, J. *see* Przyslupski, P. 4—41922
Rauner, H., Wolf, W., Appel, U. System identification techniques for noise reduction in evoked potential processing 4—56131
Rauquembergue, R. *see* Chu Hao 4—30442
Rausch, F. Selective testing of lines and interconnection circuitry 4—51660
Rauschert, R. *see* Gonauser, E. 4—51131
Raussen, N. *see* Gotze, M. 4—43153
Raut, R., Bhattacharyya, B.B. Designs of parasitic tolerant switched-capacitor filters using unity-gain buffers 4—41473
Rav-Noy, Z., Lu, L.-T., Kapon, E., Mukai, S., Margalit, S., Yariv, A. Vertical field-effect transistors in III-V semiconductors 4—52084
Rav-Noy, Z., Schreter, U., Mukai, S., Kapon, E., Smith, J.S., Chiu, L.C., Margalit, S., Yariv, A. Vertical FETs in GaAs 4—52114
Rav-Noy, Z., Zah, C., Shreter, U., Rutledge, D.B., Wang, T., Schwarz, S.E., Kuech, T.F. Monolithic Schottky diode imaging arrays at 94 GHz 4—44447
Raveendra, K.R., Srinivasan, R. Threshold detection of CPFSK in non-Gaussian noise 4—43345
Ravel, F. *see* Gerard, Ph. 4—30974
Ravelet, S. *see* Es-Slassi, A.R. 4—62702
Raven, J.G. *see* Veendrick, H.J.M. 4—51236
Raver, N. FET off-chip-drivers and package disturbs [for microprocessor] 4—58390
Ravi, K.V. Ultra-large-area silicon sheet growth for low cost photovoltaics 4—46210
Ravlik, A.M. *see* Perkhach, V.S. 4—45064
Ravn, J.N. *see* Petersen, P.M. 4—52703
Ravva, D.P. *see* Bugayev, A.V. 4—36034
Rawal, B.S., Chan, N.H. Conduction and failure mechanisms in barium titanate based ceramics under highly accelerated conditions [multilayer ceramic capacitors] 4—58566
Rawal, M.L. *see* Srirangan, T.V. 4—60801
Rawat, B., Dalmia, M. Computer aided design of inverted strip dielectric waveguide millimeter-wave couplers 4—41568
Rawat, B., Dalmia, M. Computer aided design of inverted strip dielectric waveguide millimeter-wave couplers 4—51523
Rawat, B., Miller, R.E. Improved design of a helical resonator filter for 450-500 MHz band land mobile communication 4—43976
Rawe, F.J. Flatness measurement and control on an aluminium rolling mill 4—61524
Rawe, R.L. *see* LoVecchio, P. 4—36324
Rawicki, S. A method of calculation of characteristics of a three-phase induction machine with two-side asymmetry 4—45429
Rawlins, D.S. *see* Dalton, F.N. 4—61940
Ray, A.E. Metallurgical behavior of $Sm(Co,Fe,Cu,Zr)_z$ alloys 4—30956
Ray, A.K., Hogarth, C.A. The effect of insulator thickness on the forming of a MIM device 4—30466
Ray, A.K., Hogarth, C.A. A critical review of the observed electrical properties of MIM devices showing VCNR 4—51915
Ray, A.K. *see* Reisman, A. 4—41998
Ray, E.R. *see* Farrar, L.C. 4—40487
Ray, K.I. *see* Alvarez, A.R. 4—36745
Ray, P.K. *see* Sen, K.K. 4—37554
Ray, R.N. *see* Thangasamy, S. 4—34287
Ray, S. *see* Balasubramanian, V. 4—58055
Ray, S. *see* Banerjee, R. 4—51790
Ray, S. *see* Chaudhuri, P. 4—41851
Ray, S.K. Generation of serial CPMFSK signal 4—29726
Ray, S.K. Pulsed laser generation of vias in thin polyimide layers 4—30218
Ray, S.K. Digital time-domain technique for generating serial MSK signal 4—33325
Ray, S.K. *see* Dynys, J.M. 4—46741
Ray, T.G., Chan, C.H. A two-dimensional high-speed correlator for real-time image processing 4—33211
Ray, T.K. *see* Desai, P.B. 4—29539
Ray, W.F., Davis, R.M., Lawrenson, P.J., Stephenson, J.M., Fulton, N.N., Blake, R.J. Switched reluctance motor drives for rail traction: a second view 4—62751
Raychaudhuri, D. Delay analysis of multipacket ALOHA with ARQ-type retransmission protocols 4—32133
Raymer, M.G. *see* Westling, L.A. 4—37423
Raymond, A. *see* Butti, C. 4—46835
Raymond, A. *see* Mercy, J.M. 4—51843
Raymond, M.L.J. *see* Pucknell, D.A. 4—58295
Raymond, T.D., Walsh, S.T., Keto, J.W. Narrow-band dye laser with a large scan range 4—52927
Rayner, D.J. Multiswitch 4—35031
Rayner, P.J.W. *see* Zhang, Y.Z. 4—57967
Raynham, E.F., Hopkins, R.A. ESCOM's 800 kV transmission system lines and substations 4—39784
Rayward-Smith, V.J. *see* McKeown, G.P. 4—50687
Razborov, V.A. *see* Lezin, V.Yu. 4—53379
Razdolin, A.M., Filippov, V.S. Investigation of the possibility of wide-angle matching of the waveguide radiators of planar phased antenna arrays 4—42987
Razdow, A. *see* Nash, J.D. 4—35591
Razeghi, M. Growth and characterization of the heterojunction and quantum-well of GaInAs-InP obtained by MOCVD 4—41060
Razeghi, M. *see* Brummell, M.A. 4—51850
Razeghi, M. *see* Hersee, S.D. 4—37381
Razeghi, M. *see* Hirtz, J.P. 4—29499
Razeghi, M. *see* Portal, J.C. 4—51848
Razek, A. *see* Bouillault, F. 4—34577
Razek, A. *see* Kazdaghli, A. 4—57398
Razek, A. *see* Piriou, F. 4—34611
Razumov, O.N. *see* Nemoshkalenko, V.V. 4—49078
Razumov, Yu.A. *see* Bulgakov, S.P. 4—39562
Razumovskaya, E.D. *see* Margulova, T.Kh. 4—40106
Re, E.Del *see* Del Re, E.
Re, M.E., Kryder, M.H. Magneto-optic investigation of thin-film recording heads 4—31013
Re, V. Telemedicine? with promptness, thank you 4—44090
Re, V. *see* Cometta, E. 4—34529
Rea, E.C., Jr., Salimian, S., Hanson, R.K. Rapid-tuning frequency-doubled ring dye laser for high resolution absorption spectroscopy in shock-heated gases 4—47429
Rea, J. *see* Ardanuy, P. 4—56292
Rea, M. *see* Dinelli, G. 4—53180
Rea, M.S. Behavioral responses to a flexible desk luminaire 4—57534
Read, D.C.A. Improving colour television decoding. IV 4—32926
Read, D.C.A. Improving colour television decoding. V 4—38811
Read, D.C.A. Improving colour television decoding. VI 4—44220
Read, D.C.A. Improving colour television decoding 4—55001
Read, M.E. *see* Busby, K.O. 4—36208, 4—41778
Read, M.E. *see* Dialetis, D. 4—36207
Read, M.E. *see* Fliflet, A.W. 4—36201
Read, M.E. *see* Hargreaves, T.A. 4—36202
Read, P.H. *see* Lipson, J. 4—54823
Read, P.W., Barr, D.M. 400 kV transmission system aspects and problems 4—62151
Read, W.R., Jr. A hardware modeling system for MOS LSI circuits 4—36909
Reader, J. Information systems for the office 4—54385
Readi Nasser, C. *see* Octavio, M. 4—59170
Readman, P. *see* Meredith, H. 4—40731
Ready, M.J., Algazi, V.R. Application of a simple hearing model to the design of audio filters 4—53737
Reagor, B.T. *see* Mottine, J.J. 4—41629
Real, R.R., Fujimoto, Y. Digital processing of dynamic imagery for photogrammetric applications 4—33204
Ream, G.L. Servo control of multinozzle ink-jet operating point 4—47559
Ream G.L. *see* Fillmore, G.L. 4—47163
Reams, D. The role of wireless carriers in the provision of cellular service. II 4—38493
Reams, D. Licensing, surveillance and recent developments in cellular service. III 4—43997
Reason, J. Level measurement: wide variety of sensors fit many control needs 4—44495
Reason, J. Load control 4—56813
Reason, J. How electrode boilers can cut the cost of steam generation 4—56839
Reasoner, K.J., Akers, L.A., Still, D.W. Automated gate array scaling 4—29782
Reasoner, K.J., Akers, L.A., Still, D.W. Automated gate array scaling 4—35747
Reaves, D. *see* Onishi, S. 4—55278
Reaves, M.J. *see* White G., Jr. 4—40010
Reay, N.W. *see* Ushida, N. 4—56030
Rebane, A.K., Kaarli, R.K., Saari, P.M. Dynamic picosecond holography produced by means of photochemical hole burning 4—37488
Rebbapragada, R.V., Jain, K.R. Electrical power distribution system for Clinch River Breeder Reactor Plant 4—34178
Rebetez, M. *see* Chambaudet, A. 4—55899
Rebmann, M.T. Multiple network consolidation: Tymnet's approach 4—60540
Rebordao, J.M. General form for aberration coefficients in holography 4—47522
Reboul, J.-P. *see* Munier, B. 4—55228
Reboulet, C. *see* De Fornel, B. 4—57029
Rechea, M., Valls, F. The use of stress-strain relationships for obtaining hemodynamic parameters 4—49139
Rechea, M. *see* Valls, F. 4—49268

Rechenmann, R.V., Wittendorp-Rechenmann, E., Senger, B. Further results on strong ionizing events distributed along medium energy heavy charged particle tracks 4—55871
Recklies, S. Hand radio telephone instruments for the world market 4—43637
Recktenwald, H.-P. Measuring phase angles of up to 360° 4—61491
Reckzeh, L. Only a piece of wire? [Component manufacture] 4—30140
Recla, A. Deployment of acoustic surface waves in microcircuits 4—36983
Redaelli, R. *see* Madey, J.M.J. 4—47389
Reddekopp, A.L. *see* Askew, J.C. 4—35284
Reddi, A.V. Performance of pipeline and parallel architectures for communication processors 4—48181
Reddi, B.R. *see* Banerjee, S.K. 4—56552
Reddi, S.S. A time-domain adaptive algorithm for rapid convergence 4—37933
Redding, R.J., Smith, S. Displays and data acquisition in harsh industrial environments 4—33182
Reddy, A.R., Lahiri, S.K. On window functions 4—47827
Reddy, B.M. *see* Dutta, H.N. 4—31644
Reddy, B.R.S., Chatterjee, P.C., Murthy, I.S.N. Fourier descriptors for ECG data compression 4—49218
Reddy, C.N. *see* Avanashi Ligam, A. 4—39258
Reddy, D.Raghurami *see* Raghurami Reddy, D.
Reddy, D.R.R., Reddy, P.S., Swamy, M.N.S. A simple method to test the existence of 2-D partial fraction decomposition 4—47872
Reddy, H.C., Rajan, P.K., Swamy, M.N.S. Some new results on the stability of two-dimensional digital filters 4—51472
Reddy, H.C. *see* Rajan, P.K. 4—29322, 4—51473
Reddy, K.Bhupathi *see* Bhupathi Reddy, K.
Reddy, M.A. *see* Sasikumar, M. 4—30003, 4—35950
Reddy, N.S., Swamy, M.N.S. Switched-capacitor realization of FIR filters 4—46579
Reddy, N.S., Swamy, M.N.S. Resolution of range and Doppler ambiguities in medium PRF radars in multiple-target environment 4—60892
Reddy, P.J. *see* Sharma, A.K. 4—36264
Reddy, P.S. *see* Ganapathy, V. 4—41498
Reddy, P.S. *see* Reddy, D.R.R. 4—47872
Reddy Raju, V. *see* Atkins, M. 4—37109
Redfern, J.P. Applications of thermal analysis 4—46260
Redfern, S.W., Stewart, R.D. Nonlinear models for predicting intermodulation distortion in bipolar amplifiers 4—37683
Redfern, T. C-MOS offers alternatives to linear-IC design 4—36825
Redford, A.H. Product design for general purpose assembly 4—57802
Rediker, R.H., Melngailis, I., Mooradian, A. Lasers, their development, and applications at MIT Lincoln Laboratory 4—52851
Redinbo, G.R. On imbedding error-control coding in signal processing architectures 4—43471
Redington, R.W. *see* Hart, H.R. 4—49158
Red'ko, V.A. *see* Yakubaitis, E.A. 4—43726
Redkovskii, N.N. Method of minimization with the aid of curvilinear descent 4—57939
Redlich, D. *see* Becker, R. 4—50483
Redlich, R. On the extended boundary condition as applied to the dipole antenna problem 4—47681
Redlich, R. Note on power and Poynting vector in low-frequency circuits 4—50355
Redman, W. *see* McCoskey, J.S. 4—54653
Redmond, R.T. *see* Myers, B.L. 4—29344
Redner, A.S., Nickola, W.E. Measurement of residual strains and stresses in transparent materials 4—55704
Redon, M. *see* Belland, P. 4—52874
Redon, M. *see* Kreisler, A. 4—55485
Redpath, D. Optoelectronics in communications 4—38597
Redpath, T.W., Selbie, R.D. A crossed ellipse RF coil for NMR imaging of the head and neck 4—49179
Redwood, M. *see* Milsom, R.F. 4—52433
Reece, C. Bursting the myths of bubble memory 4—47203
Reed, A.H. Treating copper with brown oxide for improving multilayer board adhesion 4—51628
Reed, B. *see* Peck, M. 4—31085, 4—31087
Reed, D.A. *see* Banerjee, S.K. 4—41942
Reed, D.J. *see* Mahalingam, L.M. 4—45985
Reed, D.J. *see* Mitz, A.R. 4—56068
Reed, F.A., Flynn, C.M., Feintuch, P.L. The effects of interference extent on LMS spatial cancellation 4—60923
Reed, I.S., Truong, T.K. New syndrome decoding techniques for (n, k) conventional codes over GF(q) 4—37868
Reed, I.S., Truong, T.K. New syndrome decoding techniques for the (n,k) convolution codes 4—43117
Reed, I.S. *see* Truong, T.K. 4—48498
Reed, I.S. *see* Yeh, C.-S. 4—41303
Reed, J.B., de Geus, A.J. RC delay extraction for gate array and standard cell designs 4—36782
Reed, J.C. An easy to build 2 meter preamp and gated noise source 4—60643
Reed, J.E., Sinsky, A.I. Enhanced TCAS-II test results 4—49411
Reed, J.H. *see* Purucker, S.L. 4—49558
Reed, J.R., Siraj, F., Heron, P.J., Mullineux, N. The boundary element method in contiguous domains 4—31586
Reed, J.R. *see* Musa, Z. 4—43694
Reed, L.H. *see* Faith, T.J. 4—36692
Reed, M. *see* Byer, R.L. 4—53119
Reed, W.A. *see* Csencsits, R. 4—52633
Reed, W.A. *see* Pearson, A.D. 4—52635
Reeder, D. *see* Witt, M. 4—48510
Reeds, J.A., Sloane, N.J.A. Shift-register synthesis (modulo m) 4—51391
Reedy, D.C. *see* Beam, D.L. 4—53097
Reedy, D.C. *see* Gaudenzi, G.J. 4—29742, 4—29743, 4—29790, 4—35756, 4—35760, 4—46396
Reedy, E.K., Alexander, N.T., Butterworth, J.C., Scheer, J.A. 95-GHz radar instrumentation system 4—44167
Reedy, H.E. *see* Berger, M.R. 4—53031
Reekie, L. *see* McInerney, J. 4—47458
Reents, W.D., Jr. *see* Philen, D.L. 4—52688
Reep, D.H. *see* Shealy, J.R. 4—58541
Rees, B.Van *see* Van Rees, B.
Rees, J.A. *see* Jardine, P. 4—56145
Rees, N.W., Mee, D.H., Nicholson, P.T. A microprocessor based digital simulator with boiler-turbine plant application 4—34433
Reese, F.E. The costs of leadership—industry's role in the battle against technical illiteracy 4—45902
Reese, N. *see* Surbrook, T. 4—62182
Reetz, D.D. *see* Brown, M.D. 4—41437
Reeve, C.G. Pricing and billing—what's in a charge? 4—54255
Reeve, G.R. *see* Driver, L.D. 4—59800
Reeve, M.H. *see* Hornung, S. 4—52687
Reeves, A.B. *see* Schuler, D.L. 4—56319
Reeves, A.P. *see* Kratzer, S.G. 4—53929
Reeves, G.K. *see* Harrison, H.B. 4—59005
Reeves, J.H., Hensley, W.K., Brodzinski, R.L., Ryge, P. An ultralow background germanium gamma-ray spectrometer using superclean materials and cosmic ray anticoincidence 4—33766
Refregier, P., Solymar, L., Rajbenbach, H., Huignard, J.P. Large-signal effects in an optical BSO amplifier 4—53057
Refsum, A., Lecturer, S. Self heating of insulators 4—36968
Rega, P.J. The art of effective persuasion 4—46056
Regan, R. *see* Cogan, A. 4—36056
Regan, T. A sensitive instrument for measuring wire tension in multiwire proportional and drift chambers 4—33203
Regan, T. Switched capacitance filters: reduced external components 4—51415
Regan, T. Temperature sensor for the Celsius scale 4—55391
Rege, K.M. Min-max linear estimation of band-limited sequences in the presence of random noise 4—43319
Regel, L.L., Nghi, N.T. On basic results of the joint Soviet-Vietnamese programme 'Halong' on space semiconductor technology 4—50734
Regel, P. Continuous recognition of speech. An acoustic-phonetic model 4—31928
Regenberg, S. The TV screen as stage for decision making—useful lessons from BIGFON trial run 4—54593
Reger, S.I., Chung, K.C., Wang, G.J., Stamp, W.G. Microprocessor instrumentation for differential evoked potential monitoring 4—56141
Regge, P.de *see* de Regge, P.
Reggia, J.A., Ahuja, S.B. Simulation of phonemic errors using artificial intelligence symbol processing techniques 4—47812
Reggiani, U., Tassoni, C., Figalli, G. Analysis of an inverter-fed single phase induction motor drive 4—50135
Reggiani, U. *see* Brunelli, B. 4—34656
Reghbati, H.K. *see* Abadir, M.S. 4—36654
Regnault, J. Gallium arsenide FETs for 144 and 432 MHz 4—30646
Regner, K. Generators for high frequency heating 4—57549
Rego, J. *see* Hawke, R.S. 4—42798
Rego, J.I., Hsu, L., Kaszkurewicz, E. Realizability of RC and LC networks and aperiodicity of linear systems 4—35938
Regoci, I. *see* Nagy, S.Z. 4—45959
Regtien, P.P.L. Solid-state dew-point sensors 4—33287
Regulinski, T.L., Gupta, Y.P. Reliability cost estimation: managerial perspectives 4—50599
Reguly, Z., Kotan, L. Voltage conditions of medium and low voltage networks 4—45107
Rehak, M. *see* Beil, D. 4—38876
Rehborn, W. *see* Worster, A. 4—48166
Rehfield, L.W., Prucz, J., Murthy, P.L.N. Influence of hygrothermal conditioning on the compressive buckling of graphite/epoxy composite structures 4—58061
Rehm, K.E. *see* Kutschera, W. 4—33761
Rehm, W. A 16-bit microcomputer module for mediating systems 4—41386
Rehm, W. *see* Zwicknagl, P. 4—41869
Rehman, M., Murti, V.G.K. A new method for 'in-circuit' resistance measurement 4—48991
Rehmann, D.W., Frank, S., Stern, D. A spacecraft power and energy management computer model 4—39672
Rehmat, A., Bryan, B.G., Goyal, A. Dynamic response of the U-GAS gasifier 4—35094
Reibel, K. *see* Ushida, N. 4—56030
Reiber, J.H.C., Lie, S.P., Simoons, M.L., Hoek, C., Gerbrands, J.J., Wijns, W., Bakker, W.H., Kooij, P.P.M. Clinical validation of fully automated computation of ejection fraction from gated equilibrium blood-pool scintigrams 4—39548
Reiber, K. *see* Hartl, W. 4—39553
Reibiger, A. Nonlinear network analysis—principles, methods, programs 4—29617
Reibl, R. *see* Uhlmann, M. 4—53303
Reich, E. *see* Domzalski, T. 4—45495
Reichard, R.E. *see* Baker, S.C. 4—50490
Reiche, A. *see* Rahder, Ch. 4—34417
Reichel, D. *see* Fischer, H. 4—48246
Reichel, K. Signal analysis with software controlled transient recorder 4—55312
Reichel, K. Universal measuring system 4—62258
Reichenstein, H.W., Gomez, J.C. Relationship of X/R, I_p and $I'_{r.m.s.}$ to asymmetry in resistance-reactance circuits 4—56605
Reicher, J.A. *see* Kreisel, V. 4—56878
Reichert, K., Wirth, E. Analysis of harmonics and their effect on power systems 4—44952
Reichert, K. *see* Lajda, P. 4—44948
Reichert, K. *see* Schnirel, K. 4—45148
Reichert, V. *see* Will, D. 4—55204
Reichert, W. *see* Camisa, R.L. 4—36844
Reichl, H. *see* Steger, U. 4—48840
Reichman, J., Russak, M.A. I-V behaviour of the CdSe/sulfide-polysulfide and CdSe/ferro-ferricyanide photoelectrochemical systems 4—46895
Reichman, J.M. The installation of reinforcing cable: a new approach to an ongoing problem 4—48375
Reichmanis, E., Smolinsky, G. Deep UV positive resists for two-level photoresist processes 4—58832
Reichstein, Z. *see* Posner, E.C. 4—43811
Reichwald, R. Application possibilities of new communications media in management 4—54090
Reichwaldt, H.W. Microelectronics and power semiconductors 4—47017
Reid, B. *see* Haslam, G.E. 4—32860
Reid, B.K., Shott, J.D., Meindl, J.D. Wafer fabrication and process automation research at Stanford University 4—58983
Reid, I. *see* Gecim, H.S. 4—47077
Reid, I.D. *see* Gibson, D.K. 4—49083
Reid, J. Investigation of the dynamics of infrared gas lasers using tunable diode lasers 4—59395
Reid, J. *see* Brimacombe, R.K. 4—42544
Reid, J. *see* Nowicki, A. 4—56080
Reid, J. *see* Rolland, C. 4—31290
Reid, J. *see* Znotins, T.A. 4—53043
Reid, J.K. Training program initiated to work 34.5 kV with gloves 4—49534
Reid, J.K., Jennings, A. On solving almost block diagonal (staircase) linear systems 4—46193
Reid, P.A. Cross-hatch generator for colour TV's 4—54959
Reid, P.R. *see* Mower, M.M. 4—44786
Reid, R.J. *see* Simonson, E.R. 4—57867
Reid, W.E. *see* McGranaghan, M.F. 4—62716
Reid, W.S., Desjardins, R.L., Fagan, W., Ginsburg, A. An open-loop fast response gas sampling valve with current control 4—33532
Reide, F. *see* Koori, N. 4—61685
Reider, G.A. *see* Marowsky, G. 4—42696
Reider, J.N. *see* Kosak, A. 4—57544
Reider, R.J. Corona generator housing for reducing streaks on copies produced by electrophotographic apparatus 4—37543
Reiderman, A.F. Dynamic magnetic properties of magnetic recording media 4—37032
Reif, J.H., Spirakis, P.G. Real-time synchronization of interprocess communications 4—43730
Reif, R. *see* Quach, N.T. 4—58021
Reifen Yu *see* Yu Reifen
Reiff, G. The effective collaboration of practitioners and specialists in energy conservation conferences 4—57593
Reiley, T.C. *see* Flint, E.B. 4—52502
Reilly, D. 25 W switching regulator costs <$10 4—58140
Reilly, M.H. *see* Goodman, J.M. 4—32652
Reilly, P. *see* Fitzpatrick, N. 4—48290
Reim, G. Transmission of inhomogeneous multiplied (generalised) Poisson processes over linear time-invariant systems 4—31805
Reiman, T. Breaking into the security market 4—40799
Reiman, T. The Q fuse 4—45562
Reimann, C.T. *see* Venkatesan, T. 4—36398
Reimann, G. Data reduction for digital speech systems 4—31828
Reimann, H.P. *see* Baier, H. 4—31955
Reimann, J. *see* Nuss, H.E. 4—44835

Reimann, R., Ullrich, U. Software development for radiomonitoring/radiolocation systems 4—38718
Reimann, S.J. Production balancing of electrical armatures 4—57807
Reime, G. The chroma module of the new video recorders [Grundig] 4—38875
Reimer, F. *see* Bliklen, H. 4—50988
Reimer, J.A. *see* Green, D.C. 4—50814
Reimer, J.A. *see* Scott, B.A. 4—46242
Reimer, L. *see* Lange, M. 4—41791
Reimer, S.T. *see* Kolbas, R.M. 4—52693
Rein, H.M. *see* Derksen, R.H. 4—51355
Rein, H.-M., Daniel, D., Derksen, R.H., Langmann, U., Bosch, B.G. A time division multiplexer IC for bit rates up to about 2 Gbits/s 4—54512
Rein, H.-M., Derksen, R.H. Integrated bipolar 4:1 time-division multiplexer for bit rates up to 3 Gbit/s 4—43903
Reina, F.Garcia *see* Garcia Reina, F.
Reine, M.B. Status of HgCdTe detector technology 4—55468
Reine, M.B. *see* LoVecchio, P. 4—36324
Reineck, K.M. *see* Campbell, C.R.W. 4—35961
Reineck, K.M. *see* Staak, A.P. 4—41484
Reineck, S., Lenz, W. Optimized process parameters for high volume wafer metallization 4—46969
Reinecke, T.L. *see* Furneaux, J.E. 4—36605, 4—52133
Reinel, K., Stapf, R. Modern hardware simulation methods in spacecraft dynamics 4—44828
Reiner, E. *see* Thoma, H. 4—49316
Reiner, H. VLSI packaging 4—52171
Reiner, J. *see* Bar-Itzhack, I.Y. 4—39637
Reinert, R.C. *see* Marinis, T.F. 4—58652
Reines, F. *see* Jones, T.W. 4—55811
Reingold, E.M., Supowit, K.J. A hierarchy-driven amalgamation of standard and macro cells 4—29749
Reinhard, D.K. *see* Le Xu 4—30364
Reinhard, K.G. A contribution to higher availability for steam power plants 4—62376
Reinhard, S. *see* De Mesmaeker, I. 4—45124
Reinhardt, E.R. *see* Schwarzmann, P. 4—53870
Reinhardt, E.R. *see* Strassle, G. 4—39129
Reinhardt, P. *see* Spegel, M. 4—46673
Reinhardt, R. *see* Spegel, M. 4—46673
Reinhardt, V. *see* Wardrip, C. 4—39331
Reinhardt, V.S. Frequency (standard) combiner selector 4—39334
Reinhart, G.R. Driver with an AC feedback circuit 4—35709
Reinhart, G.R., Sandoval, A. Wafer burn-in 4—42098
Reinhold, A. *see* Mudrack, H. 4—43906
Reinhold, H.S. *see* van Rhoon, G.C. 4—49304
Reininger, H. *see* Wolf, D. 4—53523
Reininger, R.C., Gibson, J.D. Backward adaptive lattice and transversal predictors for ADPCM 4—53555
Reininger, R.C. *see* Gibson, J.D. 4—47734
Reinmund, D. New family telephone for two direct exchange lines 4—43838
Reinsch, A. *see* Woschni, H.G. 4—49011
Reiplinger, E. Reduction of noise levels in transformers 4—45479
Reis, A. *see* Strassler, S. 4—33239
Reis, J. Switching regulators—the power supplies of the future 4—29632
Reis Augusto da Luz *see* Augusto da Luz Reis
Reisdorff, R.A. *see* Bozeman, T. 4—56655
Reiser, M. *see* Struckmeier, J. 4—39394
Reiser, P. *see* Siskind, E.J. 4—33810
Reiser, P.A. The design and evaluation of discharge lamps for color photographic purposes 4—57508
Reisig, W. *see* Goltz, U. 4—35370
Reisinger, H., Fowler, A.B., Hartstein, A. Magnetic field dependence of 2D sodium impurity band conduction in activated regions 4—51903
Reisinger, H. *see* Bauer, W. 4—45362
Reisinger K. *see* Bacher, W. 4—54517
Reisman, A., Berkenblit, M., Ray, A.K., Merz, C.J. Nitridation of silicon in a multiwafer plasma system 4—41998
Reisman, A., Merz, C.J., Maldonado, J.R., Molzen, W.W. Low energy X-ray and electron damage to IGFET gate insulators 4—52127
Reisman, A. *see* Dishon, G. 4—41070
Reisman, A. *see* Merz, C.J. 4—46876
Reiss, W. Nonlinear distortion analysis of p-i-n diode attenuators using Volterra series representation 4—46317
Reiss, W., Bruckner, P., Volke, M. Fast 4-bit A/D converter 4—41415
Reist, W. *see* Deutsch, J. 4—49088
Reitan, E.H., Jr. The collection of television technology and design 4—54981
Reitbock, H. *see* Altmann, J. 4—38086
Reiter, H. *see* Goebbels, K. 4—29572
Reiter, L. *see* Lindenmeier, H. 4—42862
Reitsema, H.J., Mord, A.J., Ramberg, E. High-fidelity image resampling for remote sensing 4—53835
Reitz, P.R. Minitutorial: Optical-fiber measurements 4—52667
Reitz, P.R. *see* Lemrow, C.M. 4—52602
Reizin, V.L., Podaruev, A.I., Shishkin, V.F. Unit for electromagnetic filter automation and power supply 4—40072
Rejda, L.J. VPI—functional evaluation of impregnants 4—36974
Reklaitis, A. *see* Gruzinskis, V. 4—37235
Reklaitis, A. *see* Mickevicius, R. 4—36282
Rekliatis, G.V. *see* Mosby, J.F. 4—35207
Rekonen, A. *see* Dahlin, H. 4—44771
Reksten, G., Holber, W., Osgood, R.M., Jr. Laser-controlled plasma etching 4—46947
Relf, R. *see* Parkinson, D. 4—33928
Relin, A.B. *see* Koretskii, V.Ya. 4—55751
Rembold, B. Fin-line components and subsystems for use above 90 GHz 4—36078
Remenyi, G., Uchida, S., Landwehr, G., Briggs, A., Bangert, E. Anomalous magneto-transport properties of p-type germanium inversion layers at very low temperatures 4—51836
Remenyi, G. *see* Englert, Th. 4—51837
Remenyi, G. *see* von Molnar, S. 4—30383
Remenyi, K. Problems in fuel consumption of thermal power plants 4—62387
Remer, D.S., Tu, J.C., Carson, D.E., Ganiy, S.A. The state of the art of present worth analysis of cash flow distributions 4—35269
Remesal, A. *see* Galan, I. 4—61451
Remijn, J.C.C.M., de Vroedt, C. The minimum distance of the [38,19] ternary extended QR-code is 11 4—43111
Remme, V. Broadband cabling from the viewpoint of the electrical contractor 4—35233
Remmel, M., Tago, T. Towards increasing the commercial success of speech synthesizers 4—53505
Remmel, R.S. An inexpensive eye movement monitor using the scleral search coil technique 4—44726
Remmerie, G., Van den Bossche, L. 10 Ω 370 V high voltage switches for line circuit application 4—54513
Remo, J.L. Phase perturbations and laser resonator beam quality 4—47472
Remond, C. Prefabricated electricity mains—part three of a trilogy: the UTE C 15-107 guide 4—45163
Remond, C. If we would talk of leakage currents and their magnitude 4—49631
Remshardt, R. *see* Proebster, W.E. 4—41309
Remy, C. Mask layout using electrons: a new technology to increase integration density tenfold 4—36365
Remy, C. Gallium arsenide integrated circuits 4—52276
Remy, G. *see* Anderson, L. 4—55989
Remy, M. *see* Jacobson, P.M. 4—49258
Ren, B. *see* Wu, J. 4—40343
Ren, C., Xu, C. The influence of Doppler effect on information transmission in sound channel 4—53352
Ren, K. Effects of nonsinusoidal signals on antenna performance 4—37720
Ren, Y. *see* Shi, W. 4—46811
Ren Bingfu *see* Li Yushan 4—37151
Ren Dacui *see* Zhang Xingde 4—59498
Ren Shu-chu Multi-dimensional coupled vibrations of piezoelectric vibrators. II. Composite piezoelectric vibrators 4—30840
Ren Wen-bin *see* Li Guang-lin 4—33578
Ren Xinzhi Infrared test instrument for searching and tracking systems 4—59292
Ren-huai Chen *see* Chen Ren-huai
Ren-li Wang *see* Wang Ren-li
Renard, B. Bathing in the Florida regulation climate 4—47960
Renardy, J.-F. *see* Chase, R.L. 4—39426
Renaud, M. *see* Dei-Cas, R. 4—33762
Renben Shu *see* Shu Renben
Rendel, A. A hybrid circuit technique for the realization of broadband tunable oscillators 4—41574
Rendell, J.T. The Spin Physics SP2000 ultra high speed motion analysis system 4—44296
Rendigs, A. Arc protection in factory-built switch cabinets 4—62644
Rendle, M. *see* Wade, J.G. 4—49479
Renger, W., Morl, P., Wendling, P., Heintzenberg, J. Mapping of Arctic haze using airborne LIDAR 4—61934
Rengevich, A.A., Fedorenko, S.V. Experimental investigations of consumption and energy losses in electric locomotives in mines 4—62893
Renhorn, I., Steinvall, O., Letalick, D., Gullberg, K., Claesson, T., Widen, A. Performance study of a coherent laser radar 4—54897
Renieri, A. The free-electron laser 4—31266
Renieri, A. *see* Dattoli, G. 4—47376, 4—52852
Renieri, A. *see* Walsh, J. 4—59377
Renjen, S., Zinser, R. Custom CMOS digital correlators by mask programming 4—58431
Renjun Zhao *see* Zhao Renjun
Renker, D. *see* Abela, R. 4—49058
Renneboog, J. *see* Pintelon, R. 4—56612
Renner, D. *see* Busse, W. 4—33562
Renner, U., Nauck, J. A Sun-pointing communications satellite 4—48423
Rennert, K.-D. Pulverized coal-ignition-firing: application, operational results, economic efficiency 4—45292
Renni, Q., Lange, J.R. PFX, a new universal portable [radio] 4—48430
Renoulin, R., Fruchard, C. Private multiservice networks CARTHAGE and LCT 6500 4—38182
Renoux, L. The Lambdascope offers a precision of 0.01 Å [laser wavelength measurement] 4—49027
Rensch, U. *see* Richter, A. 4—36494
Renshaw, D. *see* Allen, G.H. 4—58428
Renshaw, D. *see* Turner, L.E. 4—58467
Renuart, C.M. *see* Chang, L.L. 4—43877
Renwen Wang *see* Wang Renwen
Repetto, L. *see* Antognetti, P. 4—30737
Repila, F.Saiz *see* Saiz Repila, F.
Repinskii, E.K. *see* Ivanenko, V.D. 4—44305
Repka, C.P. A soundmixer's guide to videodiscs 4—61144
Repko, M. Comms update 4—43794
Repko, M. Comms update 4—48318
Reppe, G., Thoss, D. Investigation of multilayer structures using thick film techniques 4—46742
Reppe, G. *see* Thoss, D. 4—41731
Reppen, N.D. *see* Clements, K.A. 4—62075
Reppy, J.V. Interdisciplinary course—peace studies at the university level 4—35213
Requejo, R. *see* Fazzini, N. 4—33570
Requejo, R. *see* Perez Ferreira, E. 4—33564
Resayre, E. *see* Tai, K. 4—42708
Resch, G.M., Hogg, D.E., Napier, P.J. Radiometric correction of atmospheric path length fluctuations in interferometric experiments 4—48537
Resende, J.W. *see* de Oliveira, J.C. 4—57294
Resendiz-Rodriguez, F. Determination of fast surface-state (FSS) density in silicon using a charge-coupled device 4—36260
Reshetnyak, S.A., Kharchev, S.M., Shelepin, L.A. Evolution of a statistical distribution of photons in a laser radiation field 4—59378
Reshetov, I.A. Method of calculating the maximum accuracy of estimating the vector parameter in the presence of random interfering parameters 4—31981
Reshetov, S.A. Optimisation of conductor cross-sections and layout of branching nodes in an electric network 4—39854
Reshidov, I.K., Zelikson, D.L., Kuz'minskii, A.S. Use of corona discharge for measuring particle concentration in flue gases 4—55736
Resta, J.L.Tondi *see* Tondi Resta, J.L.
Restivo, M. *see* Mehra, R. 4—49216
Resto, O. *see* Weisz, S.Z. 4—52765
Rethfeldt, C. *see* Schnell, E. 4—37545
Retkin, H. Multi-level knapsack encryption 4—31897
Rettew, J.H. *see* Chang, L.L. 4—43877
Rettig, J.B. *see* Tripathi, V.K. 4—58228
Rettner, C.T., Marinero, E.E., Zare, R.N., Kung, A.H. Generation of coherent extreme ultraviolet and vacuum ultraviolet radiation using pulsed nozzles 4—59590
Reuber, C. Satellites for world telecommunications 4—38512
Reuber, C. Camera recorders and their technology 4—38863
Reuber, C. Glass fibres for the light waves 4—54758
Reuber, C. Time multiplex analog signal components for satellite television 4—54931
Reulet, R. *see* Roux, M. 4—57351, 4—57356
Reumann, F. THYRESCH rectifier for the speed control of pump drives 4—34729
Reumers, J. Energy conservation at Amoco Chemicals 4—62875
Reusens, P.P. *see* Linderman, R.W. 4—60065
Reuss, R.H. *see* Greeneich, E.W. 4—30606
Reuter, D. *see* Susskind, J. 4—61922
Reuter, R. *see* Freeden, W. 4—41006
Reuter, W. *see* Lu, N.C.C. 4—46798
Reuters, P.J., DoThanh, L., Balk, P. Determination of carrier type in MIS structures with pyrolytic AlN insulator films 4—46884
Reutz, P.A., Pope, S.P., Solberg, B., Brodersen, R.W. Computer generation of digital filter banks 4—51454
Reuver, J.L.de *see* de Reuver, J.L.
Revak, S. *see* Goldberger, A. 4—51360
Revankar, G.N., Choudhary, M.V. Forced commutated two pulse centre tap converter configurations 4—46341
Revankar, G.N. *see* Bashir, A. 4—45526, 4—46330
Revankar, S.T. *see* Chang, J.-S. 4—56768
Revay, R.E., Spong, F.W., DeVore, S.L. Comprehensive model for the simulation of the recording performance of optical storage media 4—42320
Revell, B. *see* Clarke, P.G. 4—62742
Revell, P.J., Goldspink, G.F. A review of reactive ion beam etching for production 4—42008
Revenok, D.A. Signal frequency search in the case of high signal/noise ratio 4—53661
Revuelta, P. *see* Fiol, M. 4—49279
Revyakin, S.V. *see* Lisitsyn, V.N. 4—39522
Revyakov, M.I. *see* Ekimov, A.V. 4—55133
Revzin, R.M. *see* Popov, V.V. 4—51897
Rex, J. *see* Elburn, A.J. 4—47984
Rey, A. *see* Guth, G. 4—57140
Rey, G. *see* Bailbe, J.P. 4—30601

Rey, G. *see* Le Brun, M. 4—30109
Reyer, S.E., Heinen, J.A. Eigenvalue sensitivity of digital filters based on the expanded state model 4—46573
Reyes-Guerra, D.R. *see* Page, R.H. 4—40750
Reylek, R.S. *see* Hinderaker, P.D. 4—36124
Reynaert, P. *see* De Man, H. 4—36897
Reynaud, R. *see* Demoment, G. 4—60077
Reynolds, A.H., III CO_2 ladar modulation tradeoff studies 4—54900
Reynolds, D.J. The assessment of local windspeeds 4—44653
Reynolds, D.J. Windspeed to wind force [an aid to choosing a beam and rotator] 4—53320
Reynolds, G.H. *see* Elsner, N.B. 4—36301
Reynolds, J.L. *see* Sakai, Y. 4—41994
Reynolds, L.D. *see* Ayasli, Y. 4—30110, 4—36051
Reynolds, M.J. Surface mounting connectors 4—51598
Reynolds, R.A. Clad-metal-core PC boards enhance chip-carrier viability 4—58609
Reynolds, R.A., Stirling, K. Surface mounting and leadless chip carriers high in performance 4—30168
Reynolds, R.F. *see* Walters, R.A. 4—49232
Reynolds, R.J. Circuit yields parallel/serial conversion 4—35895
Reyzenkund, Ya.A. *see* Mikhalevskiy, V.S. 4—31715
Reza, F.M. Energy function and the synthesis of two-variable lossless n-ports 4—35574
Rezachek, D. Wind energy for irrigation pumping 4—34536
Rezaian, S.M., Ghista, D.N. Tibial lengthening device and technique based on biomechanical considerations 4—56203
Rezanova, O.I. *see* Marov, N.N. 4—36484
Rezek, E. *see* Li, K. 4—59329
Rezin, M.G. *see* Konyaev, A.Yu. 4—57000
Rezin, M.G. *see* Krivonishchenko, I.A. 4—62584
Rezine, D.B., Lajoie-Mazenc, M. Modelling of a brushless DC motor with solid parts involving eddy currents 4—57071
Reznichenko, V.Yu., Kurilin, S.P. Features of asymmetrical AC machine, differential equations 4—57004
Reznichenko, V.Yu., Kurillin, S.P. Features of differential equations for unsymmetrical AC machines 4—56918
Reznik, M.M., Petryashov, V.I., Krasnoshchekov, E.P. Contact devices for printed circuit boards 4—41718
Reznikov, A.L. *see* Barash, V.Ya. 4—55774
Reznikov, S.B. Autonomous supply systems with single-conductor stable-frequency alternating current distribution [transport power supplies] 4—57446
Reznikov, S.V. *see* Levina, M.D. 4—54921
Reznitskii, A.I., Bordyugov, V.M., Shtil'man, B.M. Power station equipment repairs planning 4—39962
Reznitskii, A.I., Shtil'man, B.M. Computer-aided scheduling of power facility maintenance by the PIONER method 4—56388
Reztsov, V.F. *see* Shidlovs'kii, A.K. 4—50034
Rezulski, M. Pulse- modulation effectiveness in GaAs infrared diode transmitters for simple optoelectronic links 4—44116
Rezulski, M., Jagoda, A. Spatial uniformity of group delay in the IR diode radiation attained by short segment of optical fibre application 4—59359
Rezvov, V.A. *see* Mikhailov, V.G. 4—46384
Rezzoug, A. *see* Le Doeuff, R. 4—34604
Rhee, J.K. *see* Bhattacharya, P.K. 4—46815
Rhee, M.J. *see* Ho, P.T. 4—59328
Rhee, S.W. *see* Zahn, M. 4—31611
Rheinboldt, W.C. *see* Melhem, R.G. 4—51160
Rhim, W.-K. *see* Wang, T.G. 4—50733
Rhinewine, M. *see* Busby, K.O. 4—36208
Rhoades, G.E., Smith, A.W.H. Expected life of capacitors with non-solid electrolyte 4—58562
Rhoades, W.T. Radiation susceptibility of digital commercial equipment 4—37639
Rhode, J.I., Gleason, G. Application of a Ge(Li) gamma detector-cadmium radiator arrangement for low level neutron flux measurements 4—33656
Rhodes, C.K. Generation of vacuum ultraviolet and extreme ultraviolet radiation by nonlinear processes with excimer lasers 4—52863
Rhodes, C.K. *see* Pummer, H. 4—59591
Rhodes, F.M. *see* Feldman, J.A. 4—53539
Rhodes, J. *see* Burrier, R. 4—58399, 4—58399
Rhodes, J.S. *see* Dalton, F.N. 4—61940
Rhodes, R.J. *see* Rust, R.D. 4—41710
Rhodes, R.T. *see* Askew, J.C. 4—35284
Rhodes, S. *see* Hagmann, W. 4—32786
Rhodes, S.J. *see* Vanner, K.C. 4—36411
Rhodes, W.T. The falling raster in optical signal processing 4—43419
Rhodes, W.T. Acousto-optic algebraic processors 4—53600
Rhodes, W.T. Hybrid time- and space-integration method for computer holography 4—59625
Rhodes, W.T., Guilfoyle, P.S. Acoustooptic algebraic processing architectures 4—60195
Rhodes, W.T., Tarasevich, A., Zepkin, N. Complex covariance matrix inversion with a resonant electro-optic processors 4—42413
Rhoon, G.C.van *see* van Rhoon, G.C.
Rhyne, T. Limitations on carry lookahead networks 4—41305
Rhys, J.M.W. Methods for forecasting electricity demand in the UK—assessment of past forecasts 4—34126
Rhys, J.M.W. Techniques for forecasting electricity demand 4—56515
Ri-rong Zhang *see* Zhang Ri-rong
Rialland, J.F. *see* Lechat, D. 4—40228
Riaz, H. Magnetic properties of ACSR core wire over an extended temperature range 4—34205
Ribar, D.W., Logan, S.R. Administration, operation and management of the Defense Switched Network 4—32217
Ribarich, R. *see* Perez Ferreira, E. 4—33564
Ribenboim, P. Satellite communication research and development program in Brazil 4—54716
Ribezzo, S. *see* Giorgi, M. 4—37293
Riblet, G.P., Hansson, E.R.B. Some properties of the matched symmetrical six-port junction 4—36018
Ribot, J.-J. *see* Deschamps, L. 4—56630
Riboulet, P. Robots in the IBM factory in Bordeaux-Canejan 4—30191
Riboulet, P. *see* Di Lorenzo, V. 4—39178
Ricart, D. *see* Leotin, J. 4—37203
Ricart, Y. *see* Puchal, H. 4—49189
Ricci, G. *see* Callahan, K. 4—57829
Ricci, P. *see* Barbato, M. 4—56386
Ricci, R. *see* Dorler, J.A. 4—40871
Ricci, R.A. *see* Signorini, C. 4—33563
Riccio, M.J. *see* Zimmerman, D.L. 4—37589
Riccius, H.D., Siemsen, K.J. New point-contact diodes for infrared heterodyne detection 4—39189
Ricco, A.J., White, H.S., Wrighton, M.S. X-ray photoelectron and Auger electron spectroscopic study of the CdTe surface resulting from various surface pretreatments: correlation of photoelectrochemical and capacitance-potential behavior with surface chemical composition 4—46894
Ricco, B., Fischetti, M.V. Temperature dependence of the current in SiO_2 in the high field tunneling regime 4—46878
Ricco, B., Stork, J.M.C., Arienzo, M. Characterization of non-ohmic behaviour of emitter contacts of bipolar transistors 4—52070
Ricco, B. *see* Yu, Z. 4—47009
Rice, J.L., Roberti, A.M. Corrosion-protective solder coating 4—50528
Rice, K. *see* Albrecht, P. 4—49228
Rice, N.O. Telephone and high speed data over distribution lines and dedicated wires 4—60639
Rice, Q. Electronic guitar 4—38935
Rice, R.E., Moore, A.H. A Monte-Carlo technique for estimating lower confidence limits on system reliability using pass-fail data 4—50591
Rice, S. *see* Latta, M. 4—52209
Rice, S.O. *see* Helstrom, C.W. 4—36237
Rice, S.O. *see* Lugannani, R. 4—41027
Rice, W.E. *see* Boroff, J. 4—32216
Rich, D.A., Naiff, K.L.C., Smalley, K.G. A four-state ROM using multilevel process technology 4—41347
Richard, C., Benveniste, A., Kretz, F. Recursive estimation of local characteristics of edges in TV pictures as applied to ADPCM coding 4—53398
Richard, F., Gueulette, J., Meulders, J.P., Vynckier, S., Wambersie, A. The neutron therapy program at the cyclotron 'cyclone' of Louvain-la-Neuve 4—39601
Richard, F. *see* Brand, C. 4—33639
Richard, F.V. *see* Cho, F.V. 4—52410
Richard, F.V. *see* Hickernell, F.S. 4—59255
Richard, J.C. *see* Paulin, J. 4—39451
Richard, M.D., Therrien, C.W., Lim, J.S. Image segmentation using spatial linear prediction 4—60239
Richard, M.N. Bit-oriented data link protocols in the tactical environment 4—38124
Richards, B.P., Trigg, A.D., King, W.G. Investigation of fluorescent lamp phosphors using the combined CL and EDS modes of the SEM 4—47337
Richards, C. Amtor spins a time-warp around Oscar 10 4—48431
Richards, D. Complexity of single-layer routing 4—36712
Richards, D., El-Korashy, A.M., Stirn, R.J., Karulkar, P.C. Highly photoconducting O_2-doped CdS films deposited by spray pyrolysis 4—47325
Richards, D. *see* Avery, W.H. 4—34523
Richards, D. *see* Dugger, G.L. 4—34524
Richards, E.F. *see* Fardanesh, B. 4—34216
Richards, E.F. *see* Hsu, W.Y. 4—62179
Richards, J.E. *see* Baldino, F.X. 4—49674
Richards, M.A., Belcher, E.O. Comparative evaluation of a new method for helium speech unscrambling 4—60012
Richards, M.A., Schafer, R.W. Acoustic tube analysis of formant bandwidths and frequencies in helium speech 4—60006
Richards, P.L. *see* Lange, A.E. 4—61392
Richards, T. A study in automation 4—29248
Richards, W.F. *see* Zaman, A.J.M. 4—30137
Richardson, A.G. *see* Pearson, A.D. 4—52635
Richardson, B. *see* Howitt, E.L. 4—62602
Richardson, C. Data-with-voice gives telco new revenues 4—48320
Richardson, D. *see* Hanson, K. 4—54498
Richardson, D.A., Gungle, W.C. The care and handling of Sylvania Brite Arc and Brite Beam lamps 4—57518
Richardson, D.D., Kowalenko, V. Further development of plasma-armature railgun simulation codes at MRL 4—42795
Richardson, E.G. *see* Jones, C.M. 4—33558
Richardson, J.M., Addison, R.C., Jr. Acoustical arrays with nonuniform element spacing and/or elevation 4—56369
Richardson, J.M., Marsh, K.A. Probabilistic approach to inverse problems in ultrasonics 4—50869
Richardson, J.M. *see* Rose, J.H. 4—29555
Richardson, K. Progress in international studies towards the ISDN 4—32607
Richardson, P.S. The case for HF radio in telecommunication links 4—47950
Richardson, R. *see* Bantin, C. 4—54652
Richardson, R.L. A new technique for measuring metal surface properties at the Rayleigh critical angle 4—55780
Richardson, R.L., Bettinger, W.H. A modified composite video signal generator for the Gamma 11 computing system 4—39547
Richardson, R.W., Bailey, K.A., Glazier, J.P. Microcomputer digital control of an SCR type arc welding power source 4—34777
Riche, S.M., Belkerdid, M.A., Malocha, D.C. General analysis for SAW 3-phase unidirectional transducers 4—52401
Richelson, J.T. The Satellite Data System 4—38522
Richer, J., Chase, R.L. Cross talk in multielectrode particle detectors 4—33753
Riches, B. *see* Barker, B. 4—29583
Riches, H. Teletex: the facts 4—32266
Richetta, M. *see* Dattoli, G. 4—47397
Richman, C.D. *see* deBelin, M.J. 4—32256
Richman, D.W. Electrophoresis operations in space for pharmaceutical processing 4—39638
Richman, P. Single-output, voltage and current surge generation of testing electronic systems 4—35292
Richman, P. ESD simulation—configuring a full-performance facility [electrostatic discharge] 4—37527
Richman, P.G. *see* Sandell, D.H. 4—49572
Richmond, C.J. *see* Hemment, P.L.F. 4—36446
Richmond, E.D., Knudson, A.R., Magee, T.J., Kawayoshi, H., Leung, C. Characteristics of the material improvement process for silicon on sapphire by solid phase epitaxial regrowth 4—41048
Richmond, E.D. *see* Christou, A. 4—35499
Richner, H., Phillips, P.D. The radiosonde intercomparison SONDEX spring 1981, Payerne 4—39708
Richner, W. *see* Degen, R. 4—62275
Richon, G.L. Comparison of insulating varnishes 4—30876
Richter, A *see* Grundey, T. 4—55787
Richter, B. *see* Beis, U. 4—61076
Richter, D. *see* Linkenbach, H.A. 4—44242
Richter, E. *see* Miller, T.J.E. 4—56985
Richter, H. *see* Bugiel, E. 4—51758
Richter, H. *see* Orlowski, T.E. 4—52000
Richter, H.-J. *see* Bongers, C. 4—34141
Richter, J.H. *see* Anderson, K.D. 4—31670
Richter, K.R. *see* Rucker, W.M. 4—31593
Richter, M.J. The Bell breakup 4—32168
Richter, P.W., Hart, S. Barium hexaferrite ceramic permanent magnets 4—42233
Richter, R. Concepts for the readout of the projection chambers 4—33649
Richter, R. *see* Fischer, H. 4—48246
Richter, R. *see* McBreen, J. 4—50043
Richter, W., Hanel, U. Fixed electric connections of AlCu-conductors during vibration load 4—51592
Richter, W. *see* Stumper, U. 4—42295
Richterova, V. Utilization of secondary energy resources in chemical industry 4—35084
Richy, V., Hanousek, K., Burda, J. Television system for contactless measurement of dimensional parameters in automated production 4—49012
Rick, M., Rosenzweig, J., Birkholz, U. Anisotropy of electrical conductivity in Si_2Te_3 4—46834
Rick, R. *see* Greiner, G. 4—60650
Rickeby, C. Why cellular radio needs a telephone switch 4—60708
Ricker, R.K. Avionics standardization—dos and don'ts 4—49420
Ricker, W.G. *see* Price, E.J. 4—48825
Rickert, D.W. *see* Collins, G.W. 4—44273
Ricklin, G. *see* Oliver, G. 4—32569
Rickwood, J. Shock-risk protection and the 15th Edition 4—40817

Ricouard, J.P. Emulation of 16 bit microprocessors with a universal system of development 4—46502
Richter, A., Rensch, U., Knedlik, C. RBS investigations of metallisation layers 4—36494
Riddervold, H. *see* Wangsmo, T. 4—62880
Riddle, L.P. Direct computation of digital communication system degradations 4—37826
Riddle, P. Localized leak detection using moisture sensitive tape 4—56754
Riddle, S.T. *see* Pitterle, W.J. 4—35099
Rideout, E.H. Temperature control in IC handlers 4—57809
Rideout, V. *see* Sporck, F. 4—58282
Rideout, V.L. Trench-isolated field-effect transistors 4—36839
Rider, R.L. *see* Freemerman, R.L. 4—56775
Ridge, C. *see* Hughes, G. 4—42015
Ridge, M.I. *see* Howson, R.P. 4—45662
Ridley, I. *see* Beynon, T.G.R. 4—61572
Riebesell, M. *see* Ahme, J. 4—39470
Riech, V. Efficient testing of telephone cables in cable plants 4—60631
Rieck, K.-D. *see* Fischer, H. 4—48246
Rieckmann, H. *see* Pagel, D. 4—38242
Riedel, H. *see* Engel, D. 4—57636
Riedel, S. *see* Obst, H. 4—55183
Riedel, W.J. *see* Preier, H.M. 4—59501
Rieder, G. *see* Lubke, K. 4—33302
Rieder, G. *see* Manifacier, J.-C. 4—51870
Rieder, R. *see* Galleth, H. 4—34168
Riederer, A.J., Weinberg, L. Synthesis of lumped-distributed cascades with lossy transmission lines 4—50916
Riedler, P., Kratzer, H.E. Electrical heating through surface heating elements 4—40616
Riedo, P.-J. Cascade control by state variable feedback method applied to a synchronous motor 4—56980
Rieger, A.W. Solar energy power plants 4—49813
Rieger, A.W. Thermal solar power stations 4—62450
Rieger, H. *see* Hanson, F.E. 4—42524
Rieger, J.L., Cummins, H.F. Support package for PCM telemetry systems 4—48763
Rieger, J.L., Woodworth, P.H. Imageless mixer for data translation 4—48060
Rieger, J.L., Woodworth, P.H. New digital-input transmitter for missile telemetry 4—48779
Riehemann, W., Nembach, E. Domain wall mobility in ferromagnets and ferrites 4—36999
Riehl, G. Document printer—drive with controlled single-phase capacitor motor 4—40532
Rieke, K.L. *see* Lew, H.G. 4—56853
Rieksts, G.A. *see* Palmer, H.E. 4—61708
Riele, H.J.J.Te *see* Te Riele, H.J.J.
Riemann, H.E. Assessment of the field trials and IP's expectations of the new Bildschirmtext system 4—48125
Riemann, H.E. Route guide for entry to Btx 4—54313
Riemann, M. Possibilities and limitations for raising the light outputs of present-day light sources for general illumination 4—50200
Riemens, K.R. *see* Goedbloed, J.J. 4—37605
Rienecker, W. The precision operational amplifier 4—50987
Rienstra, F., Kollewijn, W.R., Boer, K. Quality control of electronic systems for measurement and control purposes 4—50551
Rienzo, M.Di *see* Di Rienzo, M.
Riepl, K. Interactive videotex in large companies 4—38243
Riera, J., Basanez, L., Xampeny, J. Load-frequency control in interconnected electricity supply systems 4—49498
Riera, J. *see* Quemada, J. 4—33850
Ries, B., Schonherr, G., Bassler, H., Silver, M. Time-dependent dissociation of a geminate electron-hole pair in crystalline lattices. A Monte Carlo study 4—51740
Ries, H. *see* Drexler, J. 4—39419
Riess, W. Gas turbines 4—45313
Rietveld, M.T. *see* Barr, R. 4—47594
Riga, G., Horblit, B. Application of low angle beveling for thin film thickness measurement by SEM or AES 4—55681
Rigby, P.N., Suckling, C.W., Jenkins, J.A. Monolithic low noise front end preamplifiers for radar and communication applications 4—29691
Rigby, P.N. *see* Swift, J.B. 4—30120
Riggio, S.R., Jr. Pin-selectable regulated voltage generator 4—50950
Riggio, S.R., Jr. Fault limiter for switching voltage regulator 4—50952
Riggio, S.R., Jr. *see* Balliet, L. 4—55320, 4—58148
Riggle, P., White, M.A., Lo, N., Noble, J.E. Stirling engine analysis insights derived from sixteen years of artificial heart power source development 4—33884
Righini, G.C. *see* Russo, V. 4—47245
Righter, A. *see* Roedel, R.J. 4—51992
Righter, W.H. CMOS 256-Kbit RAMs are fast and use less power 4—58297
Rigney, D.M. *see* Pang, C.K. 4—49824
Rigo, S. *see* Rochet, F. 4—46954
Riis, G. Low-noise systems for receiving radio and television 4—54971
Riittinen, H. Short-cut algorithms for the Learning Subspace Method 4—59966
Rijbroek-van den Boom, M.M.B. *see* Roksnoer, P.J. 4—35468
Rijcken, W.J., Mol, J.M.F., Desanghere, G. Dynamic imaging frequency analysis in clinical electroencephalography 4—33837
Rijke, J.de *see* de Rijke, J.
Rijnsdorp, J.E. *see* Boenink, H.J. 4—62876
Riken, P. Measuring equipment for use in status checks of HV windings 4—44520
Rikhterova, V. Thyristor converters for drives of belt conveyors 4—45399
Rikken, G.L.J.A. *see* Horstman, R.E. 4—41879
Rikner, G. *see* Dahlin, H. 4—44771
Riko, Y., Honma, K., Nakanishi, T. Narrow band QPSK LSI modem and land mobile radio 4—32715
Riley, D. A microprocessor controlled flame monitor [boilers] 4—55157
Riley, J.P. *see* Wong, C.S. 4—44924
Riley, S.P. *see* Barnes, S.R. 4—52686
Rimeika, A. *see* Pipinys, P. 4—58735
Rimey, K. Problem section (rotating fluids): a system of polynomial equations and a solution by an unusual method 4—50715
Rimini, E. Ion implantation and pulsing anneal 4—45667
Rimini, E. *see* Baeri, P. 4—58824
Rimoldi, A. *see* Conta, C. 4—56031
Rimpl, G.R., Birnstock, R. Parameters for improved production of CR-39 foils and their application in biological dosimetry 4—55889
Rimpo, C. *see* Fette, B. 4—60554
Rinaldi, S. *see* Licci, F. 4—30980
Rinard, G., Rugg, D., Durham, M., Yamamoto, T., Armstrong, J. High temperature high pressure electrostatic precipitator—electrical characterization and collection efficiency 4—53181
Rinard, S.L., Lueckenotte, D.L. Power plant control and monitoring: trends and prospects 4—62371
Rinck, T. *see* Picken, G. 4—45762
Rinck-Henriksen, P. AP-TAX, a terminal oriented computerized dispatching system 4—60726
Rincon, M. Computer-based radar signal processing 4—47860
Rinehart, E.A., Hrubesh, L.W., Stevens, C.G. Pure rotational spectroscopy of SO_2 using fix line far infrared lasers 4—39745
Rinehart, E.A. *see* Bookless, W.A. 4—47410
Rinehart, R.E., Tuttle, J.D. Dual-wavelength processing: some effects of mismatched antenna beam patterns 4—49461
Rinehart, T.A. *see* Gardner, R.N. 4—47311
Riner, J. An effective simple error correction scheme 4—47196
Rinerson, D., Ahrens, M., Lien, J., Venkatesh, B., Lin, T., Song, P., Longcor, S., Shen, L., Rogers, D., Briner, M. 512K EPROMS 4—58342
Rines, G. *see* Kuppenheimer, J.D., Jr. 4—53022
Ring, D.A. *see* Paoletti, F. 4—45792
Ring, E.F.J. Criteria for medical thermography 4—56087
Ring, G. *see* Gyurcsek, I. 4—49049
Ringeard, C. Electronic equipment checking and maintenance of the quality level 4—61176
Ringeisen, F. *see* Derrien, J. 4—30555
Ringel, J. *see* Beer, A. 4—61682
Ringermacher, H.I., Miller, R.K. Acoustic emission waveforms in isotropic and orthotropic plates 4—50865
Ringhofer, Ch. *see* Selberherr, S. 4—36505
Ringhofer, C.A. *see* Markowich, P.A. 4—52045
Ringhofer, C.A. *see* Selberherr, S. 4—30579
Rinn, H. Measuring amplitude and group-delay response of VTR machines 4—38878
Rino, C.L., Owen, J. Numerical simulations of intensity scintillation using the power law phase screen model 4—53218
Rinzivillo, R. *see* Biagini, M. 4—47384
Rio, F.G.del *see* del Rio, F.G.
Riolfo, B. *see* Bigliardi, R. 4—61095
Rionda, P. *see* Eden, R.C. 4—35739
Riordan, M.H. On delegating price authority to a regulated firm 4—56444
Riordon, J.S. *see* Mahmoud, S.A. 4—32690
Rios, M., Georganas, N.D. HYMAP: a new hybrid multiple-access protocol for local area networks 4—38327
Rioseco, J. *see* Holm, E. 4—55999
Riout, J. Industrial temperature sensors: elements of choice 4—48854
Rioux, C. *see* Salame, E. 4—56975
Ripamonti, G. *see* Longoni, A. 4—33169
Ripart, A., Jacobson, P.M., Dal Molin, R. Clinical value of a microcomputer in an implantable pacemaker 4—49256
Ripka, G. *see* Harsanyi, G. 4—51677
Ripley, K.L. Automated arrhythmia detection 4—49244
Rippel, R., Muller, H. Ventilation and air conditioning systems installed in Neues Gewandhaus Leipzig 4—35054
Rippel, W. *see* Klein, J. 4—62454
Rippel, W.E. A new inverter topology using GTO commutation 4—40342
Riris, A. New direct regenerator for 16-ary QAM signalling 4—43938
Riris, A., Aitchison, C.S. Intermodulation distortion improvement by active compensation in IMPATT amplifiers 4—37684
Ris, H. Electrical installation technology 4—57289
Ris, H.R. Electrical installation techniques. III 4—35030
Risbud, S.H. *see* Bhattacherjee, A.P. 4—51795
Rischmuller, K. Darlington Modules for rectifiers and frequency converters 4—34734
Riseborough, P.S. The small polaron with non-linear electron-phonon interactions 4—30292
Riseman, J. Contacting method 4—36492
Riseman, J. *see* Johnson, C., Jr. 4—36842
Risica, S. *see* Venuti, G.C. 4—55897, 4—55898
Risk, W.P., Youngquist, R.C., Kino, G.S., Shaw, H.J. Acousto-optic frequency shifting in birefringent fiber 4—52580
Risley, A.S. The time and frequency requirements of large communications networks 4—54539
Riso, R.R., Keith, M.W., Gates, K.R., Ignagni, A.R. Subdermal stimulation for electrocutaneous communication 4—56142
Rissanen, J. Probability estimation for symbols—observed or not 4—47723
Rissanen, T. Possible heating power plant construction during the period 1983-2000 4—45264
Ristenbatt, M.P. Highlights of Professional Practices for engineers, scientists, and their employers 4—50423
Ristici, M., Bachmann, P., Ionescu, A., Vasiliu, V. High power He-Ne laser 4—52915
Ristici, M. *see* Dumitrica, A. 4—42384
Ristici, M. *see* Vasiliu, V. 4—37512
Ristori, L. *see* Amendolia, S.R. 4—49068
Ristow, D.P. *see* Bartley, G.K. 4—51672, 4—58647
Ritala, R.K., Salomaa, M.M. Chaotic dynamics of periodically driven RF superconducting quantum interference devices 4—42299
Ritchie, B. The new cable technology in the UK—an overview 4—61067
Ritchie, L.C., Shen, M.N. Two-write, multi-read RAM cell 4—46471
Ritchie, W.K. An integrated services cable TV network 4—55013
Ritchie, W.K. The British Telecom switched-star cable TV network 4—61055
Ritchie, W.K. *see* Boyer, P.K. 4—50826
Ritecz, J. *see* Kardos, G. 4—39873
Ritenour, E.R., Nelson, T.R., Raff, U. Applications of the median filter to digital radiographic images 4—53932
Ritschard, R.L. Energy and environmental impact: What have we learned? 4—39980
Ritsema van Eck, H.J. Experience with an ECG-network service 4—49236
Ritslev, F. *see* O'Hara, E. 4—48252
Rittenhouse, R.C. Maintenance and upgrading inject new life into power plants 4—45194
Ritter, G.A. *see* Dorler, J.A. 4—35805
Ritter, G.D. 'Afterburner'—a fast measuring output amplifier 4—35646
Ritter, H. *see* Mickal, H. 4—40163
Ritter, J.C. *see* Shapiro, P. 4—29856
Ritter, M., Hulsing, H., Wolf, W.P. Magneto-optical method for AC susceptibility measurements 4—33442
Ritter, R. *see* Andresen, K. 4—38058
Ritter, W., Mark, T.D. Optical studies of fission tracks in apatite 4—55931
Ritter, W. *see* Hall, D. 4—48119
Rittich, D. *see* Finke, H.-G. 4—48482
Rituper, R. Systems for heat recovery in electroplating 4—57625
Ritz, K.N., Arst, M.C., Mendonca, A.L., Norcott, M.H. Cross-sectioning silicon integrated circuits 4—52228
Riva-Sanseverino, S. *see* Catalano, I.M. 4—31492
Rivara, M.C. Algorithms for refining triangular grids suitable for adaptive and multigrid techniques 4—35436
Rivenburgh, D.L. *see* Puterbaugh, L.J. 4—61567
Rivera, A.De Langarica *see* De Langarica Rivera, A.
Rivera, J.F., Andreoni, A.M. Scaled-down equivalent networks for monitoring the safe operation of electrical systems 4—34019
Rivera, J.F. *see* Peralta, W.H. 4—62057
Rivero Laguna, J. *see* Ramio Aguirre, J. 4—32601
Riviere, D. Automatic measurement of the minority carriers lifetime (in between 0.5 μs and 5 μs) with a SEM 4—48706
Riviere, D. *see* Bresse, J.F. 4—36501
Rivierre, B. *see* Saint-Andre, B.V. 4—31803
Rivierre, B. *see* Vidal Saint-Andre, B. 4—42997
Rivlin, L.A. Formation of extremely short laser pulses 4—31278
Rivoire, J.R., Gunkel, R.A. DoD/Industry-R&M Study overview 4—46028
Rivolta, B. *see* Bonino, F. 4—57307
Rizk, F.A.M. The role of the university in high voltage engineering research 4—45882
Rizk, F.A.M., Nguyen, D.H. AC source-insulator interaction in HV pollution tests 4—45144
Rizy, C.G. *see* Maddigan, R.J. 4—56383
Rizy, D.T., Jewell, W.T. Power quality and protection of electric distribution systems with small, dispersed generation devices 4—56607
Rizy, D.T. *see* Dugan, R.C. 4—56588, 4—56670

Rizy, D.T. *see* Purucker, S.L. 4—49558
Rizzo, T. Voice/data PBX at core of transparent net 4—32549
Rizzoni, E.M., Dement, D.K. Is there a satellite in Korea's future? 4—48438
Roach, J.V., Leininger, S.W., Walters, W.T. The anatomy of a portable computer 4—35861
Roadstrum, W.H. *see* Wolaver, D. 4—35199
Roat, C. *see* Neagoe, V. 4—48580
Roatsch, T., Meyer, H.-G. The double SQUID as a digital memory cell 4—37068
Robach, C., Malecha, P., Michel, G. An account of the conception of testability assisted by a computer 4—29802
Robach, C., Malecha, P., Schlumberger, E.P., Michel, G. CATA: a computer-aided test analysis system 4—55186
Robach, C. *see* Bellon, C. 4—36754
Robachevskii, M.V. *see* Kolonistov, V.P. 4—44513
Robashevskii, F.M. *see* Shvarts, A.L. 4—40068
Robb, F.Y. Hydrogen plasma etching of organics 4—52024
Robb, R.A. *see* Acharya, R.S. 4—53924
Robb, S.P. *see* Wrathall, R.S. 4—36744
Robbins, W.P., Young, A. SAW phase modulation using magnetostrictive thin films 4—52423
Robel, M.C., Harton, P.L. Microwave scanning beam landing system performance during Shuttle landings 4—38735
Roberge, F.A. *see* Savard, P. 4—49209
Roberge, R. *see* LeHuy, H. 4—31054
Roberson, C.W. Bright electron beams for free electron lasers 4—47390
Roberson, C.W. *see* Chernin, D. 4—33608
Roberson, C.W. *see* Mako, F. 4—39301
Roberson, C.W. *see* Pasour, J.A. 4—47391
Roberson, N.R. *see* Wender, S.A. 4—39499
Robert, J. *see* Alzieu, J. 4—62687
Robert, J.L. *see* Kadri, A. 4—30335
Robert, J.L. *see* Mercy, J.M. 4—51843
Robert, P. *see* Dewitte, J. 4—44212
Roberti, A.M. *see* Rice, J.L. 4—50528
Roberts, A. The calculation of the increase in measured integrated energy and loss tangent slope values arising from the use of non-linear stress grading materials on the coils of high voltage rotating AC machines 4—62503
Roberts, B. Successful application of videotex in the corporate environment 4—48129
Roberts, C.G. HgCdTe charge transfer device focal planes 4—55238
Roberts, C.P. The economic significance of information in the process of development 4—53999
Roberts, D.H. Silicon integrated circuits. A personal view of the first 25 years 4—42141
Roberts, E.D. Recent developments in electron resists 4—52223
Roberts, E.W. Sliding electric contacts in space: observations on existing technology and new trends in low-speed applications 4—49849
Roberts, G., Masciola, J. Microprocessor boards and systems. A new approach to post in-circuit testing 4—39050
Roberts, G. *see* Mapps, D.J. 4—41663
Roberts, G.C. *see* Batey, J. 4—42490
Roberts, G.C. *see* Girvan, E.J. 4—46677
Roberts, G.G. Langmuir-Blodgett films 4—29505
Roberts, G.G. *see* Batey, J. 4—31259
Roberts, H. A portable gamma ray spectrometer/computer 4—33765
Roberts, H. *see* Gillham, F. 4—60828
Roberts, H. *see* Nelson, A. 4—59206
Roberts, H.A. Bidirectional coupler design using plastic optics 4—52649
Roberts, H.A. *see* Gillham, F. 4—44072
Roberts, J.B. *see* Phillips, G.C. 4—39425
Roberts, J.B.G. The impact of VLSI on the architectures of signal processing systems 4—46515
Roberts, J.H. A method of analyzing angle modulation systems and its application to phase-shift keying 4—31857
Roberts, J.H. Phase comparison monopulse radar: statistics of phase error 4—38665
Roberts, J.H., Gold, R., Ruddy, F.H., Preston, C.C., McNeece, J.P. Fast neutron fluence spectra and integral reaction rates determined with nuclear research emulsions 4—55919
Roberts, J.H., Ruddy, F.H., Gold, R. Optical efficiency for fission fragment track counting in muscovite solid state track recorders 4—55932
Roberts, J.H., Ruddy, F.H., McNeece, J.P., Gold, R. Automatic scanning of solid state track recorders: calibration 4—39463
Roberts, J.H. *see* Gold, R. 4—39459, 4—55896
Roberts, J.H. *see* McNeece, J.P. 4—39462
Roberts, J.H. *see* Preston, C.C. 4—39464
Roberts, J.H. *see* Ruddy, F.H. 4—39465, 4—55914, 4—55937, 4—55942, 4—55960
Roberts, J.W. An advancement in mica paper VPI tapes 4—30878
Roberts, L., Macdonald, M. Use programmable logic chips to simplify programmer design 4—46421
Roberts, L.G. Uninterruptible power systems—the ultimate protection for critical loads 4—62237
Roberts, M., Cox, H.L., Jr., Bordoloi, K.C. Autoranging and synchronous demodulator circuitry for use in a photothermal laser spectrometer 4—58215
Roberts, M. *see* Cox, H.L., Jr. 4—61779
Roberts, M. *see* Stephens, P. 4—57468
Roberts, M.W., Lala, P.K. An algorithm for the partitioning of logic circuits 4—51150
Roberts, N.J., Jr. *see* Lu, S.-T. 4—39616
Roberts, P. *see* Lee, G. 4—29823
Roberts, P.C.T., Lamb, D.R. High performance bipolar digital ICs 4—35728
Roberts, P.C.T. *see* Chen, T.H. 4—59036
Roberts, P.C.T. *see* Joseph, J.D. 4—60276
Roberts, P.C.T. *see* Lee Kang 4—36585
Roberts, P.C.T. *see* Vu, T.T. 4—29781, 4—35746
Roberts, R. *see* Steinhardt, A. 4—38005
Roberts, R.A. *see* Mullis, C.T. 4—51458
Roberts, R.O., Plag, K.F. The application of digital techniques and advanced system concepts to meet the electrical power requirements of an advanced fighter aircraft 4—49435
Roberts, S. Salicide process for silicide wiring by CVD 4—30564
Roberts, S., White, F.R. Silicide stiffened SFET source/drains 4—42160
Roberts, S. *see* Raacke, K.H. 4—41933
Roberts, T.M., Hibbert, D.B. TRS-80-controlled raster scan and image store 4—51350
Roberts, W.B. Simulation aids systems reliability 4—50586
Robertson, A.R. *see* Lanam, R.D. 4—30567
Robertson, B. *see* Potzick, J.E. 4—44654
Robertson, B.C. *see* Simpson, J.J. 4—55815
Robertson, D.J., Falconer, D.D. Analysis and simulation of improved echo canceller adaptation algorithms with single-bit correlation multipliers 4—31997
Robertson, D.S. *see* Parfitt, H.T. 4—50820
Robertson, J.C. *see* Rowland, M.S. 4—61681
Robertson, J.M., van Tol, M.W. Cathodoluminescent garnet layers 4—42469
Robertson, J.M. *see* Kozicki, M.N. 4—47100
Robertson, M.J. *see* Sim, S.P. 4—42653
Robertson, P.J., Jones, M.R. Subjective reactions to misconvergence on a colour display 4—61256
Robertson, S.C. *see* McMillan, J.L. 4—59212, 4—59223
Robertson, S.J., Feger, W.E., Hester, R.K. Analog interface chips for audio band digital signal processing 4—52237
Robien, E.de *see* de Robien, E.
Robin, A. The penetration of electricity in industry 4—49530
Robin, G. Customer installations for the ISDN 4—38417
Robin-Jouan, Y. Development and realization of main parts of optical bus for military applications (ground and on-board) 4—44083
Robineau, P. *see* Vincenot, E. 4—44348
Robins, M. *see* Stephens, P. 4—57468
Robinson Petroleum metering paves way to accuracy [flow-metering] 4—61582
Robinson, A. *see* Outwater, C. 4—59634
Robinson, A.L., Antoniadis, D.A., Maby, E.W. A fully-self-aligned joint-gate CMOS technology 4—36879
Robinson, B., Eastman, D.R., Bacevic, J., Jr., O'Neill, B.J. Infrared window manufacturing technology 4—61376
Robinson, B. *see* Armolavicius, R. 4—48013
Robinson, C.N. *see* Barnes, D.M. 4—57837
Robinson, D.C. A critical approach to US communication policy: 1983 4—32162
Robinson, D.L., Marshall, W.K., Katz, J., Smith, J.S., Yariv, A. Monolithically integrated array of GaAlAs electroabsorption modulators 4—59917
Robinson, E.A. *see* Cupo, R.L. 4—37969
Robinson, E.R., McConnell, S.O. Sensitivity of high frequency surface-generated noise to sonar and environmental parameters 4—60930
Robinson, G.A., Miller, D.E. The influence of reference system disparity on navigation and positioning 4—38724
Robinson, G.M. *see* Perry, D.M. 4—42272
Robinson, G.N. Matched filters for radar and satellites 4—29992
Robinson, G.Y. *see* Valois, A.J. 4—52093
Robinson, G.Y. *see* Wang, P.D. 4—50760
Robinson, H.L. Motor maintenance program 4—50466
Robinson, I. *see* De Doncker, E. 4—57977
Robinson, I.K. *see* Bean, J.C. 4—46222
Robinson, I.K. *see* Fuoss, P.H. 4—56056
Robinson, J.C. *see* McCargo, M. 4—44817
Robinson, J.M. *see* deBelin, M.J. 4—32256
Robinson, K. *see* Comerchero, H. 4—49226
Robinson, K.E. *see* Deacon, D.A.G. 4—52829
Robinson, K.E. *see* Elleaume, P. 4—42500
Robinson, K.S., Jones, T.B. Slope stability of electropacked beds 4—47543
Robinson, M., Sood, S.C. Calibration and depth resolution of a stereoscopic video display 4—48740
Robinson, O. The press and satellite communications (a promising beginning) 4—38585
Robinson, P. *see* Kormilo, S. 4—56877
Robinson, R. GEC McMichael precision comb filter decoders 4—32948
Robinson, R. Can in-circuit tests shorten product life? 4—40841
Robinson, R.A. Acoustic power output measurements form ultrasound hyperthermia equipment 4—56113
Robinson, R.A. *see* Taylor, A.D. 4—56035
Robinson, R.L., Tygard, C.M. Probe-ability: taking no chances with SMDs 4—40835
Robinson, R.S. *see* Kaufman, H.R. 4—44893
Robinson, W.R. *see* Pandya, R.N. 4—47989
Robinson, W.V., Jr. *see* Shively, R.R. 4—51133
Robinsonm, D.E. Ultrasonics research in Australia 4—61769
Robison, B.H. *see* Carnevale, S.J. 4—61963
Robison, H.I. Operational experience with a liquid desiccant heating and cooling system 4—40630
Robison, R.L. Automatic receptacle insertion system reduces costs, speeds delivery 4—61196
Robles, F., Radosevich, R. Needs assessment for support units in an R&D organization 4—40763
Robrish, P.R. *see* Fuzesy, R.Z. 4—55831
Robson, A.J. *see* Ward, C.R. 4—60112
Rocaries, F. *see* Aidan, M. 4—35061
Rocca, F.D.La *see* La Rocca, F.D.
Rocca, F.J., Klipstein, P.C., Valdre, U. A liquid helium stage for transmission electron microscopes 4—41797
Rocca, G. *see* Mazzone, A.M. 4—30506
Rocca, J.J., Meyer, J.D., Farrell, M.R., Collins, G.J. Glow-discharge-created electron beams: cathode materials, electron gun designs, and technological applications 4—51696
Rocca, J.J., Meyer, J.D., Pihlstrom, B.G., Collins, G.J. CW laser action in atomic fluorine 4—52892
Rocca, J.J. *see* Moore, C.A. 4—51862
Rocca, J.J. *see* Thompson, L.R. 4—29532
Roccasecca, D.D. *see* Dutt, B.V. 4—46226
Rocchi, M. *see* Frey, P. 4—29820
Rocco, J.C. *see* Delaunay, M. 4—61649
Rocha, A.C.S. *see* Paschoa, A.S. 4—56220
Rocha, J.R.F.de *see* de Rocha, J.R.F.
Rocha, V.Cardos da, Jr. *see* Cardos da Rocha, V., Jr.
Rocha, V.Cardoso da, Jr. *see* Cardoso da Rocha, V., Jr.
Rocha, V.C.Da, Jr. *see* Da Rocha, V.C., Jr.
Roche, M. *see* Florcik, D. 4—51620
Rochegude, P. *see* Fabre, A. 4—58442
Rochelle, R.W. *see* Carnal, C.L. 4—60149
Rochester, D.F. *see* Adams, J.M. 4—33836
Rochester, G.K. *see* Sumner, T.J. 4—61691
Rochet, F., Agius, B., Rigo, S. An ^{18}O study of the oxidation mechanism of silicon in dry oxygen 4—46954
Rochette, D. *see* Boulay, R. 4—39364
Rochon, P., Gauthier, N. Total time for magnetic field penetration into a superconducting strip of type-I material 4—42285
Rock, B.J. *see* Bennett, G.L. 4—39670
Rock, F. *see* Cogan, A. 4—36056
Rock, J. *see* Pollock, W.W. 4—48398
Rock, J.E. Charge-transfer circuit using variable-threshold transfer devices 4—36840
Rock, J.E. *see* Huffman, D.R. 4—35654
Rockett, A. *see* Barnett, S.A. 4—41958
Rockmann, R. *see* Kohlschmidt, R. 4—43802
Rockrohr, C. Microelectronics optimizes shortwave communications 4—54619
Rockway, J.W. *see* Li, S.T. 4—37631
Rockwell, D. Breakthrough in digital radio 4—60660
Rodbell, K.P., Shatynski, S.R. A new method for detecting electromigration failure in VLSI metallization 4—30686
Rodbell, K.P., Shatynski, S.R. A new method for detecting electromigration failure in VLSI metallization 4—36710
Roddatis, V.K., Romanov, A.V. Monitoring voltage on supply card of a 110 kV power system 4—39808
Rodde, W. Thoughts and preparation on the realisation of a digital mixer [audio] 4—61134
Rodden, J. *see* Dougherty, H. 4—44827
Rodder, M. *see* Palaio, N.P. 4—61394
Roddy, D. The use of impulse radar for fracture detection in rocks 4—38683
Roddy, J. *see* Thomas, H. 4—60450
Rode, A., Flegal, T., LaRue, G. A high yield GaAs gate array technology and applications 4—29824
Rode, J.P. Hybrid HgCdTe arrays 4—55237
Rode, J.P., Brownell, M.L., Herring, M. HgCdTe infrared focal plane arrays for imaging spectrometer applications 4—56264
Rodekohr, M.E. Energy data and analysis in the 1970s 4—39976
Rodemich, E.R. *see* McEliece, R.J. 4—31836
Rodemich, E.R. *see* Vilnrotter, V.A. 4—43116
Rodenacker, K. *see* Jutting, U. 4—38064
Rodenburg, J.M., McMullan, D. A high resolution microdiffraction camera for STEM 4—41800
Roder, F.L. *see* Wong, C.K. 4—53839
Roder, R. Video output amplifier: stabilized working point 4—38808
Rodes, F. *see* Zardini, C. 4—30232

Rodger, D., Eastham, J.F. A formulation for low frequency eddy current solutions 4—31594
Rodgers, P.M. *see* Houghton, A.J.N. 4—42407
Rodichkin, V.A. *see* Burtsev, V.A. 4—59445
Rodig, G. Determining the temperature distribution in integrated circuits 4—30698
Rodimov, A.P., Popovskii, V.V., Popov, A.S. Synthesis and analysis of algorithms of spatial-temporal processing of signals and interference using Markov's model for fluctuations in the weighting coefficients of an antenna array 4—31750
Rodin, A.I. *see* Fridkin, V.M. 4—51787
Rodina, T.A. *see* Vakhalin, V.A. 4—62629
Rodinis, D. *see* Ban, D. 4—57017
Rodin'sh, M.A. *see* Eperin, A.P. 4—45224
Rodionenko, G.Ya. *see* Burkovskii, A.N. 4—45449
Rodionov, A.V. *see* Pashinkin, A.S. 4—29449
Rodionov, B.U. *see* Machulin, I.N. 4—61718
Rodionov, E.N. *see* Grashchenkov, N.F. 4—51000
Rodionov, F.V. *see* Petryaev, I.P. 4—39374
Rodionov, L.V., Sandler, M.S. Improving the frequency stability of the oscillation in a parametric generator with a surface-acoustic-wave resonator 4—41244
Rodionov, V.G. *see* Ivankov, V.F. 4—45493
Rodionova, M.V. *see* Temnikov, V.A. 4—42888
Roditi, V. *see* Schnirel, K. 4—45148
Rodman, L. *see* Gohberg, I. 4—29413
Rodman, S.M., Dean, R.K. Personality type as it relates to problem solving skills 4—35175
Rodrigue, G., Wolitzer, D. Preconditioning by incomplete block cyclic reduction 4—46198
Rodrigues, P. *see* Gerla, M. 4—32457
Rodriguez, A. *see* Etayo, A. 4—49274
Rodriguez, A.Collado *see* Collado Rodriguez, A.
Rodriguez, B.A., Temes, G.C., Martin, K.W., Law, S.M.L., Handy, R., Kadekodi, N. An NMOS buffer amplifier 4—29680
Rodriguez, B.A., Temes, G.C., Martin, K.W., Law, S.M.L., Handy, R., Kadekodi, N. An NMOS buffer amplifier 4—35648
Rodriguez, D.M. Systematic jitter calculation in mismatched jitter-free conditions 4—38426
Rodriguez, F. *see* Bouachache, B. 4—53759
Rodriguez, F. *see* Namaste, Y.M.N. 4—58951
Rodriguez, G. *see* Romano, R. 4—39824
Rodriguez, J. A new control technique for AC-AC converters 4—49975
Rodriguez, J., Rubio, E., Prieto, A. Theoretical and experimental study of the coupling factor of dielectric waveguides 4—47642
Rodriguez, J.J. *see* Torrado, E. 4—49280
Rodriguez, J.M. *see* Cortes Diaz, J.M. 4—29212
Rodriguez-Vazquez, A. *see* Huertas, J.L. 4—41235, 4—41515, 4—51024
Rodway, D.C., Bradley, D.J. Mean transverse emission energy and surface topography on GaAs (Cs,O) photocathodes 4—52798
Rodwell, M.J.W. *see* Smoot, L.S. 4—54797
Roe, R.D. Computer aided engineering and engineering workstations at British Aerospace plc, DG, Stevenage Division 4—29829
Roedel, R.J., Edwards, J.L., Righter, A., Holm, P., Erkaya, H. Reproducible 'leaky tube' diffusion of zinc into GaAs with submicron junction depths 4—51992
Roedel, R.J., Holm, P.M. The design of anisotropically etched III-V solar cells 4—40448
Roeder, A., Rolli, F. The reliability of principles used to calculate the heat rate for steam turbosets 4—62379
Roeder, A. *see* Hohn, A. 4—62380
Roeder, R.S. *see* Green, A.H., Jr. 4—54886
Roederer, A.G. On-board antennas with multi-feed reflectors 4—42944
Roefs, H.F.A. *see* van Mierlo, G.W.M. 4—54851
Roehr, B., Cathell, F. High voltage MOSFET and bipolar power switches: close cousins—different destinies. II 4—35630
Roemer, W.A., Maybeck, P.S. An optically implemented multiple-stage Kalman filter algorithm 4—52757
Roemerman, S.D. *see* Burgett, W.S. 4—38733
Roentgen, P. *see* Krautle, H. 4—35480
Roermund, A.H.M.van *see* van Roermund, A.H.M.
Roeschmann, P. *see* Einstein, S.G. 4—61846
Roesel, J.F., Jr. *see* Morash, R.T. 4—34631
Roesler, R.F., deZafra, R.L. Analysis of SIS heterojunctions for use as MM-wave mixers exhibiting conversion gain 4—47221
Roettger, T.D., Carroll, D.P. A modular power system simulator program 4—62093
Rofail, S.S. CAD modeling of three-terminal piecewise-linear device characteristics 4—50922
Roffinella, D. *see* Ajmone Marsan, A. 4—32355
Roffinella, D. *see* Barberis, G. 4—32081, 4—43489
Roffinella, D. *see* Marsan, A.M. 4—32134
Rofman, E. *see* Gonzalez, R. 4—45283
Rog, A.I., Sirota, A.A. An estimation of the RMS error in digital representation of random processes by the methods of the excursion theory 4—40927
Rog, A.I., Sirota, A.A. The use of the decorrelating properties of discrete spectral transformations in multialternative signal recognition on a background of correlated noise 4—53649
Rogach, S.M. *see* Vas'korskii, Yu.N. 4—62536
Rogacheva, E.I., Dzyubenko, N.I., Lantev, S.A., Kosevich, V.M., Ob'edkov, A.G. Influence of indium on the properties of SnTe with various degrees of deviation from stoichiometry 4—30379
Rogacheva, E.I., Efimova, B.A., Lapteva, S.A. Solid solutions in the Pb-Ga-Te system containing PbTe 4—30376
Rogachevskaya, G.S., Sidel'nikov, B.V., Shevchenko, V.I. Analysis of faulty operating conditions of thyristor-fed DC machines 4—40270
Rogachevskii, B.M. *see* Lisitsyn, V.A. 4—52503
Rogachevskii, V.I. *see* Shafir, Yu.N. 4—57102
Rogachevskii, V.I. *see* Zasypkin, A.S. 4—40286
Rogalla, H., David, B., Ruhl, J. Thin film Nb_3Ge DC-SQUID with high operating temperature 4—37066
Rogatski, V.G. *see* Tumanov, I.M 4—57101
Rogatskin, B.S. *see* Martynova, O.I. 4—62385
Rogers, A. *see* Ruchti, R. 4—33680
Rogers, A.J. Optical fibres in communications and measurement 4—59194
Rogers, A.S. The performance of a fault-tolerant ring communication system 4—48275
Rogers, B. *see* Barrett, W.A. 4—36750
Rogers, D. *see* Orzechowski, T.J. 4—47368
Rogers, D. *see* Rinerson, D. 4—58342
Rogers, D.A. *see* Fernandes, H.C.C. 4—35184
Rogers, D.H. RC circuit creates sequencing time window 4—30038
Rogers, D.L., Widmer, A.X., Mosley, J. A 50 to 400 Mbit/sec single chip fiber optic receiver circuit 4—54746
Rogers, D.V., Allnutt, J.E. Evaluation of a site diversity model for satellite communications systems 4—54681
Rogers, E.H. *see* Rose, K. 4—29758
Rogers, F.J., Delori, F.C. FIFO memory circuit stores waveform data for monitors and scopes 4—58306
Rogers, G. *see* Downs, T. 4—50900
Rogers, G.J., Di Manno, J., Alden, R.T.H. An aggregate induction motor model for industrial plants 4—45442
Rogers, G.S. Video snapshot system for capturing instantaneous video pictures 4—32979
Rogers, J. *see* Shaw, J. 4—49445
Rogers, J.D. TV receive-only earthstation 4—48457
Rogers, M.D. Main developments in Japanese information technology 4—47951
Rogers, M.H. Applying robotics to ATE 4—48703
Rogers, P.F. The economics of robotic arc welding workcells 4—62845
Rogers, R.R. A review of multiparameter radar observations of precipitation 4—49454
Rogers, S.J. *see* Jones, J.D.C. 4—59638
Rogers, S.R. Optimal steady-state filter for discrete velocity-aided tracking 4—35933
Rogerson, S. Distribution technology: a steady rate of progress 4—39771
Rogerson, S. Test instruments evolve as portable laboratories 4—44529
Rogic, B. *see* Kulusic, P. 4—38246
Rognon, J.P. *see* Bolopion, A. 4—57210
Rognon, J.P. *see* Mota, P. 4—57093
Rogov, S.A. *see* Aksenov, Ye.T. 4—47315
Rogov, S.A. *see* Bukharin, N.A. 4—42436
Rogov, V.A. *see* Borodin, V.E. 4—61716
Rogova, V.D. *see* Lyapin, E.A. 4—40000
Rogovsky, A.J., Holmquist, G.R. Nondestructive inspection of miniature aluminum welds in composite structure 4—29563
Rogowski, R.S., Miller, I.M., Wood, G., Schryer, D.R., Hess, R.V., Upchurch, B.T. Evaluation of catalyst for closed cycle operation of high energy pulse CO_2 lasers 4—52877
Rogoza, V.V., Sopel', M.F., Tutik, V.L., Kholodenko, Yu.N. An algorithm for formulating schematic circuit diagrams of devices for the diagnostic evaluation of relay protection equipment 4—45179
Rogozhin, A.M. *see* Davidenko, V.A. 4—55975
Rogozov, Yu.I. *see* Samoilov, L.K. 4—51161
Roguin, J. EMTP (electro magnetic transients program) for studying transient electrical phenomena 4—34023
Rohatgi, A., Federmann, E.F. Importance and considerations of high efficiency solar cells 4—50099
Rohatgi, A., Rai-Choudhury, P. Design, fabrication, and analysis of 17-18-percent efficient surface-passivated silicon solar cells 4—45635
Rohatgi, N. *see* Hsu, G. 4—41088
Rohatgi, V.K. MHD systems in space propulsion 4—33955
Rohatgi, V.K. *see* Gupta, G.P. 4—45670
Rohatgi, V.K. *see* Ron, P.H. 4—46750
Rohatgi, V.K. *see* Satyamurthy, P. 4—34941
Rohatgi, V.K. *see* Varghese, P.M. 4—29249
Rohde, R.W. *see* Pope, L.E. 4—41628
Rohdin, H. *see* Su, C. 4—36635
Rohlena, Z. *see* Partl, J. 4—45310
Rohling, H. Radar target detection in exponential- and logarithmic normal distributed clutter 4—54845
Rohloff, A. Stages toward the information society [with Bildschirmtext] 4—54264
Rohrbach, W. *see* Klein, H. 4—33599
Rohrbacher, H.-A. Calculation of pi-net-Collins filters 4—35934
Rohrbeck, W., Gertner, R. Time difference measurement with subpicosecond resolution 4—39476
Rohrer, H. The CMOS-technology solves problems with blank systems 4—29897
Rohrer, L., Jakob, H., Rudolph, K., Skorka, S.J. The four gap double drift buncher at Munich 4—33597
Rohrer, R.A., Nosrati, H., Heizer, K.W. Quasi-static control of explicit algorithms for transient analysis 4—50893
Rohrich, K. *see* Maurer, K. 4—55847
Rohsenow, W.M. *see* Bar-Cohen, A. 4—57835
Rohstock, M. *see* Busch, G. 4—55730
Roick, U. Integrated timer B555D 4—51494
Roife, I.M. *see* Burtsev, V.A. 4—59445
Roig, G. *see* del Rio, F.G. 4—58196
Roinishvili, E.Yu. *see* Borodin, V.E. 4—61716
Roitman, P., Albers, J., Myers, D.R. An investigation of the two-dimensional shape of ion-implanted regions 4—46929
Rojo, P. *see* Loualiche, S. 4—30597
Rokakh, A.G. *see* Kuznetsov, V.A. 4—36318
Roker, W. *see* Begemann, G. 4—54592
Rokhlina, N.V. *see* Kushch, O.K. 4—40593
Rokka, Zh.Zh., Kollins, G.Zh. Ultra-violet ion laser 4—37280
Rokne, J. *(translator)* Introduction to interval computations 4—29386
Roksnoer, P.J., Rijbroek-van den Boom, M.M.B. The single crystal growth and characterization of indium phosphide 4—35468
Rokusawa, K. *see* Takagi, A. 4—43273
Rokushima, K., Yamakita, J. Scattering and waveguiding properties of general slanted gratings consisting of anisotropic media 4—37161
Rokushima, K. *see* Kominami, M. 4—31738
Rola, J.L. *see* Salerno, J.J., Jr. 4—32239
Rolandi, L. The Aleph time projection chamber 4—33640
Roldan, I. *see* Sanchez Dominguez, J. 4—49238
Roldugina, Z.I. *see* Pilin, B.P. 4—35556
Roleson, S. Evaluate EMI reduction schemes with shielded-loop antennas 4—44593
Rolewicz, S. Remarks on sufficient conditions of optimality of vector optimization 4—35404
Rolf, A. Simulation of nonlinear, dynamic behaviour of heat exchangers and their complex arrangements in power stations using a semianalytical calculation procedure 4—49717
Rolfe, J. *see* Bolton, R. 4—55816
Rolfe, J. *see* Otis, J.N. 4—39544
Rolfe, J. *see* Zeman, H.D. 4—39537, 4—56094
Rolfe, P. *see* Tarassenko, L. 4—49117
Rolff, R. Statistical quality control in electroplating. V. The most suitable measuring apparatus from the cost and performance points of view 4—55317
Rolff, R. Statistical quality control in electroplating. VI. The simultaneous determination of different properties and their importance for the overall quality 4—57859
Rolicz, P. Electrodynamic forces occurring in double cage motor with rectangular conductors of rotor 4—49865
Rolicz, P., Szymanski, Z. Electrodynamic forces acting on rotor-conductors of a double-cage motor 4—57020
Rolik, Yu.A. *see* Levin, N.N. 4—34047
Roll, K., Kukla, R., Mayr, M., Munz, W.D. High rate magnetron sputtering of ferromagnetic SmCo, Fe and CoCr thin films 4—29525
Roll, U. *see* Dorner, P. 4—36257
Rolland *see* Ertmer 4—56424
Rolland, C., Reid, J., Garside, B.K. 10-W CW optically pumped 12-μm NH_3 laser 4—31290
Rolland, G. *see* Guillot Gauthier, S. 4—30844
Rolland, P. Operating experience from nuclear power stations in France 4—45211
Rolland, R. *see* Shaw, A. 4—56314
Rolli, F. *see* Roeder, A. 4—62379
Rollin, K.E. *see* Gale, I.N. 4—34259
Rollingson, L., Diebel, D. Warhead impact telemetry system 4—48768
Rolls, P. Picture reproduction from electronics systems. I 4—32282
Rolls, P. Picture reproduction from electronics systems. II 4—32283
Rolls, P. Picture reproduction from electronics systems. III 4—32284
Rollstin, L.R. Rocket vehicle targeting for the PLACES ionospheric plasma test series 4—33918
Roloff, J.J. The design of a high performance Multibus memory board 4—35785
Roloff, R. *see* Wardrip, C. 4—39331
Romagnoli, M., Moerner, W.E., Schellenberg, F.M., Levenson, M.D., Bjorklund, G.C. Beyond the bottleneck: submicrosecond hole burning in phthalocyanine 4—47507
Romakin, V.V. A mathematical model for a transformer, using an implicit method of numerical integration of the differential equations 4—57118
Roman, B.J. *see* Bonyhard, P.I. 4—37037
Roman, B.J. *see* Nelson, T.J. 4—37036

Romana, A. *see* Anderson, L. 4—55989
Romancha, A.A. *see* Durnev, V.I. 4—50169
Romanelli, J. *see* Personne, C. 4—49299
Romanenko, P.F. *see* Kostyshin, M.T. 4—37499, 4—53100
Romanini, S. The COMAU philosophy in flexible machining 4—35079
Romaniuk, R. Review of optical fibre radiation characteristics 4—37136
Romaniuk, R. Telephone information by fibre optics under industrial conditions 4—43654
Romaniuk, R. Advances in optical fibre technology 4—59216
Romaniuk, R., Ciepielowski, T. Telecommunication in health service units 4—43593
Romaniuk, R.S., Dorosz, J. Octopuslike-shape cored optical fibres (OLSCF) 4—42335
Romankiw, L.T. *see* de Hodgins, O.C. 4—47088
Romano, D.V. Test equipment for ECL RAMs 4—29884
Romano, G. *see* Baroni, G. 4—55870
Romano, L. *see* Braglia, G.L. 4—59391
Romano, R., Ramirez, C., Mier, M., Mayorga, R., Rodriguez, G., Espino, J., Hernandez, G. The Dantzig-Wolfe algorithm applied to Constrained Economic Dispatch for a partitioned electrical network 4—39824
Romano, V. *see* Mariani, E. 4—56470
Romanov, A.V. *see* Roddatis, V.K. 4—39808
Romanov, O.V. *see* Sazonov, S.G. 4—58815
Romanov, S.I. *see* Kachurin, G.A. 4—41969
Romanov, S.V. *see* Karasev, A.V. 4—34582
Romanov, V.V. *see* Zaboin, V.N. 4—49835
Romanov, V.V. *see* Zakharenkov, L.F. 4—58855
Romanov, Yu.A. *see* Demidov, E.V. 4—58709
Romanov, Yu.I. *see* Voevodin, M.A. 4—33577
Romanova, E.P. *see* Andreev, V.M. 4—57358
Romanova, I.D. *see* Filonov, N.G. 4—46999
Romanova, T.M., Ushakov, G.A., Pal'tsev, Yu.P., Merimson, S.R., Fadeev, V.I. An economical ventilation system for the main building of a large state regional electric power station (GRES) 4—56818
Romanovskii, E.A., Nemtsov, V.S., Tyruikov, G.S., Begzhanov, R.B., Gulamov, I.R., Valiev, G.S., Iskhakov, T., Tsupin, A.V. Chamber for measurement of the scattering cross sections in the small-angle region 4—49075
Romanovskii, E.A., Vakulov, P.V., Denisov, Yu.I., Mazurchik, N.B., Begzhanov, R.B., Gulamov, I.R., Iskhakov, T., Valiev, G.S., Tsupin, A.V. Wide-range analog identifying unit for measuring mass spectra of nuclear reaction products 4—61699
Romanowski, A.J. The influence of heavily doped regions on SEM-EBIC signals in an N^+NP structure 4—51859
Romanowski, C. Universal switching system for sound and television broadcasting 4—60969
Romanowski, K. *see* Poltz, J. 4—31592
Romanowski, T.A. *see* Ushida, N. 4—56030
Romanowski, Z. *see* Gutowski, M. 4—43653
Romanyuk, F.A. *see* Aleksandrov, I.N. 4—40232
Romanyuk, V.F. *see* Pilipko, D.D. 4—55363
Romashin, N.L. *see* Solntsev, V.A. 4—47653
Romashin, S.V. *see* Kirianiki, N.V. 4—55685
Romashov, B.A. *see* Bychkov, B.N. 4—61045
Rombaut, C., Boulier, M., Six, J.P. A regulator-induction motor combination—analytical study 4—34989
Rombaut, C. *see* Bausiere, R. 4—34783
Rombaut, C. *see* Boulier, M. 4—49892
Romeny, B.M.ter Haar *see* ter Haar Romeny, B.M.
Romeo, M.E. Microcomputers: development, state of the art, prospects 4—35865
Romer, M. Programming on hybrid test automaton [for PCBs] 4—51608
Romer, W.J. *see* Garmany, W.J. 4—38713
Romero, A.T. Videotex—a new beginning at Pacific Bell 4—54239
Romero, R. *see* Andreev, V.M. 4—40447
Romero, S.Lopez *see* Lopez Romero, S.
Romich, P., Russell, N. Environmental control for communication aid/computer users 4—56200
Ron, P.H., Rohatgi, V.K., Rau, R.S.N. Delay time of a vacuum gap triggered by an exploding wire 4—46750
Roncali, J., Garnier, F. Photon-transport properties of luminescent solar concentrators: analysis and optimization 4—59354
Rondan, B.Fernandez *see* Fernandez Rondan, B.
Rondiris, I.L. *see* Allan, R.N. 4—34079
Ronen, B., Pliskin, J.S., Feldman, S. Balancing the failure modes in the electronic circuit of a cardiac pacemaker: a decision analysis 4—44781
Ronen, J., Clark, R.H. Techniques for monitoring the performance of phased-array antennas 4—37777
Ronen, M. *see* Katz, S. 4—30852
Rong Chaofan *see* Li Jingwen 4—33616
Rong Huiling *see* Wang Dinghua 4—59551
Rong-Seng Chang Real time error analysis of high speed camera by laser and position sensing system 4—59670
Rong-xiang Zhang *see* Zhang Rong-xiang
Rong-Yeu Chang, Maw-Ling Wang Analysis of stiff systems via method of shifted Legendre functions 4—46059
Rongcai Ji *see* Ji Rongcai
Rongchuan Sun *see* Sun Rongchuan
Ronghan Wu *see* Wu Ronghan
Ronghua Xue *see* Xue Ronghua
Rongjin Yu *see* Yu Rongjin
Rongjun Pan *see* Pan Rongjun
Rongmei Fan *see* Fan Rongmei
Ronnekleiv, A. Diffraction compensated SAW multistrip beam compressors 4—52432
Ronnekleiv, A. *see* Engan, H. 4—52379
Ronnmark, K. Ray tracing in dissipative media 4—31636
Ronzani, P. *see* Cranmer, J.M. 4—34199
Roo, J.De *see* De Roo, J.
Roode, W.H.de *see* de Roode, W.H.
Rooijmans, C. *see* van der Veen, J. 4—52523
Rooijmans, C.J.M., Verhoeven, J.A.Th. Characteristics of the optical media laboratory disk 4—44267
Rooney, J.M. Microelectronic applications for polymers: structure-property relationships 4—41112
Roop, R. Trends in high voltage integrated circuit technology 4—47097
Roop, R. *see* Foerstner, J. 4—59018
Roop, R. *see* Lytle, S. 4—58987
Roop, R.M. *see* Alvarez, A.R. 4—36745
Roos, A.de *see* de Roos, A.
Roos, C. How photos of planets reach the Earth 4—43438
Roos, E. *see* Koglin, H.-J. 4—34123
Roos, O.von *see* von Roos, O.
Roos-Kozel, B.L., Casavecchia, F.M. Parameters affecting silver flake and powder performance in silver filled polymers 4—58065
Roose, L.D. *see* Leeper, R.J. 4—33772
Roosen, G., Plantegenest, M.-T. Transient hologram in a photorefractive material as a high capacity optical switching device 4—31506
Roosen, G. *see* Sincerbox, G.T. 4—31468
Roosmalen, A.J.van *see* van Roosmalen, A.J.
Rooyackers, J.E. *see* Schalkwijk, J.P.M. 4—47714
Rope, E.L. *see* Tricoles, G.P. 4—60198
Roper, B.M. *see* McKeown, G.P. 4—50687
Roper, P. *see* Bahde, C. 4—45696
Ropke, U. *see* Andra, W. 4—36990
Ros, H.H. *see* van den Akker, T.J. 4—56126
Rosa, G. *see* Baroni, G. 4—55870
Rosa, J.M.de *see* de Rosa, J.M.
Rosa, L.F. *see* Oh, Y.H. 4—53537
Rosa, R.de la *see* de la Rosa, R.
Rosa, R.J., Myrabo, L.N. Energetic closed-cycle gas core reactors for orbit raising 4—34368
Rosario-Braid, F., Fabian, E.J. Information technology transfer: the Philippines 4—32160
Rosati, V., Schodowski, S. Revision of the military specification for quartz crystal oscillators (MIL-0-55310) 4—30917
Rosati, V., Schodowski, S., Filler, R.L. Temperature compensated crystal oscillator survey and test results 4—29703
Rosati, V.J., Filler, R.L., Schodowski, S.S., Vig, J.R. State of the art in crystal oscillators, present and future 4—30918
Rosatkevich, G.K. Sawtooth voltage generators of adaptive TV systems 4—44244
Roschke, E.J. *see* Jaffe, L.D. 4—34521
Roscoe, O.S. Technical and economic models of a DBS system for Canada 4—32762
Roscoe, S.N., Tatro, J.S., Trujillo, E.J. The role of human factors in VTOL aircraft display technology 4—61872
Rosculet, M.N. Integral operators which generalise the differential equations. VIII. Averaging formulae for a class of equations having parabolic-type partial derivatives 4—46068
Rose, B.H. Minority-carrier lifetime measurements on silicon solar cells using I_{sc} and V_{oc} transient decay 4—45631
Rose, B.H., Weaver, H.T. Method for determining emitter recombination in Si solar cells using open-circuit voltage decay 4—57340
Rose, C.W., Ordy, G.M., Drongowski, P.J. N.mPc: a study in university-industry technology transfer 4—36707
Rose, D. Assembly-packaging technology trends 4—29222
Rose, F.L. A regulatory view of immunity standards and measurements 4—37669
Rose, I.A., Bonnitcha, D.L. Real-time control and computational functions of electrical power system control centres 4—39774
Rose, J. Looking behind the satellite glamour—panache or just panacea? 4—32719
Rose, J. Electronic document retrieval and delivery services 4—44058
Rose, J., Nestleroth, J., Niklas, L., Ganglbauer, O., Ausserwoeger, J., Wallner, F. Flaw classification in welded plates employing a multidimensional feature-based decision process 4—46268
Rose, J. *see* Liaw, H.M. 4—46917
Rose, J.H., Richardson, J.M. Time domain Born approximation 4—29555
Rose, K., Rogers, E.H., Wilson, T.J. Testability and WSI design 4—29758
Rose, L., Schaefer, W.H., Sloan, M.G., Walsh, R.C. Ultrasonically welded diskette cartridge 4—29268
Rose, T.L. *see* Kelliher, E.M. 4—49107
Roseburg, D. *see* Metzner, H. 4—53151
Rosell, S.N., Yamarone, C.A., Jr. TOPEX ground data system 4—39722
Roselli, P. *see* Inguscio, M. 4—42571
Rosello, F. *see* Xampeny, J. 4—49500
Rosemann, K.-H., Sundermeier, B. Surveys of high voltage testing transformers by microcomputer 4—57106
Rosen, C. System transmission parameters design for threshold performance 4—55288
Rosen, M.J. *see* Demsetz, L.A. 4—56167
Rosen, S.L. *see* Zebroski, E.L. 4—49675
Rosenbauer, H. *see* Liptak, M. 4—30281
Rosenbaum, J. *see* Bonney, R. 4—59284
Rosenbaum, W.S. Word level redundancy thresholding [facsimile scanner] 4—48052
Rosenberg, A.E. A probabilistic model for the performance of word recognizers 4—37890
Rosenberg, A.E., Shipley, K.L. Evaluation of an isolated word recognizer in talker-dependent and talker-independent modes using a large telephone-band data base 4—53511
Rosenberg, G., Weiss, W.J., Landis, D.L., Donachy, J.H., Snyder, A.J., Wisman, C.B., Geselowitz, D.B., Pierce, W.S. In vivo experience using a motor-driven heart assist pump with implanted compliance chamber 4—49312
Rosenberg, G. *see* Rosenberg, Z. 4—61546
Rosenberg, G.W., McMillan, R.W., Brady, V.T. Measurements of phase noise spectra of selected millimeter wave klystrons 4—36197
Rosenberg, H.E., Berson, B.L. Squadron maintenance and repair techniques (SMART) validation test report 4—49369
Rosenberg, H.J. OSI standards for transport layer and session layer now available 4—54322
Rosenberg, J.B. Chip assembly techniques for custom IC design in a symbolic virtual-grid environment 4—47112
Rosenberg, R. The origins of EE education: a matter of degree 4—57724
Rosenberg, R. *see* Cuomo, J.J. 4—51639
Rosenberg, W.J. *see* Fitzmorris, T.K. 4—52750
Rosenberg, Z., Mayseless, M., Rosenberg, G. Measurement of the radial displacement in 2-D flow by embedded constantan wires 4—61546
Rosenberg, Z., Partom, Y. Direct measurement of temperature in shock-loaded polymethylmethacrylate with very thin copper thermistors 4—61574
Rosenberg G.W. *see* McMillan, R.W. 4—44918
Rosenberger, A.T., Chung, H.K., De Temple, T.A. Sub-T_2 optical pulse generation: application to optically pumped far-infrared lasers 4—42690
Rosenberger, F.U., Wann, D.F. A computer aided procedure for performing status loading validation of digital logic systems 4—41302
Rosenberger, R., Dettmann, K.-D., Heuck, K., Kegel, R. Method of approximating iron-curves for the simulation of electric networks including nonlinear inductances 4—46313
Rosenblum, A. *see* Cohen, J.M. 4—38727
Rosenbluth, M.L., Lieber, C.M., Lewis, N.S. 630-mV open circuit voltage, 12% efficient *n*-Si liquid junction 4—58820
Rosenbluth, M.N., Wong, H.V., Moore, B.N. Free electron laser (oscillator)—linear gain and stable pulse propagation 4—47365
Rosenbruch, K.-J. *see* Weingartner, I. 4—31505
Rosencher, E., Coppard, R. A DLTS study of Na^+-induced surface states at the Si/SiO_2 interface 4—30455
Rosencher, E., Coppard, R., Bois, D., Pfister, J.C. Dipolar relaxation effects in $Al/SiO_2/Si$ structures investigated by transient capacitance spectroscopy 4—41912
Rosendaal, C.Jansen van *see* Jansen van Rosendaal, C.
Rosenfeld, A. Computer vision research at the University of Maryland: a 20-year retrospective 4—60206
Rosenfeld, A. Image processing in remote sensing data analysis: the state of the art 4—61899
Rosenfeld, A. *see* Hurt, S.L. 4—60209
Rosenfeld, A. *see* Kitchen, L. 4—32041
Rosenfield, J. *see* Susskind, J. 4—61922
Rosenmann, M., Gevargiz, J., Das, P.K., Milstein, L.B. Probability of error measurement for an interference resistant transform domain processing receiver 4—38444
Rosenqvist, R. *see* Andersson, G. 4—62437
Rosenthal, B.E. Southwestern Bell eager for deregulation 4—32241
Rosenthal, B.E. PacTel—Pacific Bell's new offspring 4—32242
Rosenthal, M., Rall, W.F. Digital temperature controller for low-temperature light microscopy 4—61773
Rosenthal, S.E. *see* Olsen, J.N. 4—33625
Rosenthal, S.E. *see* Seidel, D.B. 4—33626
Rosenthal, W., Zenkel, D. Device adapted to measuring the non-uniformity of rotary motions 4—40530
Rosenzweig, J., Zhang, J., Birkholz, U. Annealing effects on electrical conductivity and thermoelectric power of sintered PbTe 4—41856
Rosenzweig, J. *see* Rick, M. 4—46834

Roser, H.P., Durwen, E.J., Wattenbach, R., Schultz, G.V. Properties of an open structure mixer at 584 GHz and 803 GHz 4—38757
Roser, H.P., Durwen, E.J., Wattenbach, R., Schultz, G.V. Investigation of a heterodyne receiver with open structure mixer at 324 GHz and 693 GHz 4—48905
Roser, H.P., Wattenbach, R., Schultz, G.V. Determination of laser frequencies by mixing experiments between two submillimeter lasers 4—59429
Roser, H.P. *see* Durwen, E.J. 4—36077
Roser, H.P. *see* Giles, J.C. 4—39186
Roser, H.P. *see* Lopez, G.C. 4—37464
Roser, T. Regulation of the KTA rules in atomic legislation 4—57742
Roses, C.Ortiz *see* Ortiz Roses, C.
Roseth, G. Build this video test generator. II 4—44523
Rosetti, C. *see* Chaplin, J. 4—38507
Rosing, K.E., Odell, P.R. Estimating the ultimate economically recoverable hydrocarbon reserves of the North Sea Province: phase 1. The theory 4—56723
Rosini, P., Finaurini, R., Gaibotti, M. A 5-V-only single chip microcomputer with nonvolatile SRAM 4—51301
Rosini, P., Milani, E. SHRAM: the retention of data in the absence of feed 4—58314
Rosinski, A.T. *see* Rakowski, M. 4—58374
Rosker, M.J., Tang, C.L. Evaluation of second-harmonic generation of various sugars in the powder form 4—42698
Roslankin, V.F. *see* Ovcharek, V.E. 4—45448
Rosler, U. Application of digital image processing in manufacturing engineering 4—53607
Rosli, U. Lexicon Varispeech 4—37886
Rosli, U. How does a sound equalizer function? 4—38920
Rosli, U. Construction of professional sound recording studio equipment 4—38969
Rosman, L.V. *see* Gumin, M.I. 4—34721
Rosner, A.J. *see* Carey, E.R. 4—36477
Rosner, W. *see* Ewen, K. 4—39525
Rosolowski, J.H., Slack, G.A., Huseby, I.C. Boron-based high temperature thermoelectric materials 4—36302
Ross, D., Cibis, K. The TELEX 2000 premium teleprinter 4—48027
Ross, D.A. Effective use of the sea—overcoming the Law of the Sea problems 4—61942
Ross, D.G., Paski, R.M., Ehrenberg, D.G., Eckton, W.H., Jr., Moyer, S.F. A regenerator chip set for high speed digital transmission 4—54778
Ross, D.P., Millhone, J., Moore, J., Meshenberg, M.J., Berger, D.A. The evolution of federal, state, local and regional governmental activity and influence in energy, 1973-83 4—39981
Ross, E.H. Human factors in system development: project team approaches and recommendations 4—40830
Ross, G. Practically yours [power supply circuit] 4—29649
Ross, G. RF powermeter 4—39218
Ross, G. The SWR bridge 4—44556
Ross, G. 'Practically yours' [amplifiers design] 4—50995
Ross, G. 'Practically yours' [radio antennas] 4—60646
Ross, I. Microelectronics—progress and prospects 4—42116
Ross, I.M. AT&T Bell Laboratories: a proven resource, a new mission 4—57764
Ross, I.M. Technology for tomorrow [telecommunication review] 4—60295
Ross, J. *see* Allik, J. 4—47800
Ross, J.N. The rotation of the polarization in low birefringence monomode optical fibres due to geometric effects 4—59236
Ross, M. Exploiting the airwaves—is Britain ahead? 4—44003
Ross, M.J. Application of an international signalling standard to government networks 4—32223
Ross, R. *see* Schmidt, B. 4—33304
Ross, R.C., Messier, R. The effects of hydrogen partial pressure on reactively sputtered amorphous silicon 4—50818
Ross, R.L. *see* Dixon, S. 4—36076
Ross, R.R. *see* Soller, B.R. 4—51957
Ross, S. Measure signal's average each cycle 4—61316
Ross, S., MacAllister, J. Practical and continuous speech recognition 4—43230
Ross, T.J. *see* Abramson, P. 4—30146
Ross, W. *see* Guendel, H. 4—47423
Ross, W.E., Snapp, K.M., Anderson, R.H. Fundamental characteristics of the Litton iron garnet magneto-optic spatial light modulator 4—42428
Ross, W.E. *see* Anderson, R.H. 4—42429
Ross, W.M. *see* Kotre, C.J. 4—49142
Rossdeutsch, K.-H. *see* Schwarz, E. 4—55124
Rosseel, R. Regional and local economic assets of the Tihange nuclear power station 4—56735
Rossel, P. Power MOS devices 4—36604
Rosser, P.J. *see* Tomkins, G. 4—42007
Rossi, A. *see* Hall, H.V. 4—49759
Rossi, D.De *see* De Rossi, D.
Rossi, D.J., Willsky, A.S. Maximum likelihood estimation of object size and orientation from projection data 4—60260
Rossi, E.M., McDonough, G., Tietze, A., Arnoldussen, T., Brunsch, A., Doss, S., Henneberg, M., Lin, F., Lyn, R., Ting, A., Trippel, G. Vacuum-deposited thin-metal-film disk 4—31015
Rossi, F. *see* Carpinelli, G. 4—57275
Rossi, F. *see* De Martinis, U. 4—62044
Rossi, F.R. *see* Meyers, R.F. 4—58326
Rossi, G. *see* Denegri, G.B. 4—57487
Rossi, G.P. An asymmetrical architecture for special-purpose LANs 4—48205
Rossi, G.R. *see* Milster, T.D. 4—39543
Rossi, G.R. *see* Washwell, E.R. 4—54894
Rossi, J.J. *see* Perez Ferreira, E. 4—33564
Rossi, J.V. *see* Vivenzio, T.A. 4—34390
Rossi, L. *see* Acerbi, E. 4—33580
Rossi, L. *see* Bellotti, E. 4—33635
Rossi, L. *see* Benso, S. 4—33641
Rossi, L. *see* Darbo, G. 4—33648, 4—55983
Rossi, M. *see* Carre, R. 4—53574
Rossi, U. *see* Coppa, G. 4—31100, 4—59192
Rossi-Alvarez, C. *see* Bezzon, P. 4—33579
Rossie, J.P. *see* Mozes, E. 4—49773
Rossignol, J.Y., Naslain, R., Hagenmuller, P., Heraud, L., Choury, J.J. Carbon-carbon-titanium carbide composite materials obtained by CVI of porous carbon-carbon substrates 4—35512
Rossing, T.D. Physics and psychophysics of high-fidelity sound. V 4—29164
Rossini, B. *see* Conta, C. 4—56031
Rossler, F., Fischer, P., Moschwitzer, A., Hecker, W. LSISIMULATOR—an efficient software package for function verification in large and very large scale integrated circuits 4—47134
Rossler, F. *see* Hecker, W. 4—46402
Rossman, H., Haynes, J.T. Determination of acceleration sensitivity of bulk mode resonator plates 4—30927
Rossmere, D.L., Manley, M.T., Short, K., Pare, E. Real time microprocessor system for EMG/foot force analysis 4—49127
Rossnagel, S.M., Sites, J.R. X-ray photoelectron spectroscopy of ion beam sputter deposited SiO_2, TiO_2 and Ta_2O_5 4—42449
Rosso, R.S. *see* Simonson, E.R. 4—57867
Rostik, G.V. Reconstruction of the stator windings of large electrical machines 4—40195
Rostov, V.V. *see* Bratman, V.L. 4—36186
Rostovtsev, A.A. *see* Machulin, I.N. 4—61718
Rosval, Ya.B. *see* Kandalinskii, V.V. 4—32956
Roszczyk, M. *see* Cieslicki, K. 4—61587
Rot, A.A., Matveev, V.G., Novikov, A.A. Digital instrument for measurement of heat conductivity 4—55728
Roth, A.P. *see* Fortin, E. 4—51832
Roth, G. *see* Araktingi, Y.E. 4—36143
Roth, H.D. CCD-line sensors for the material failure recognition 4—55260
Roth, J. Designed to facilitate communication 4—43547
Roth, J., Primbsch, J.H., Lin, R.P. Segmentation and pulse shape discrimination techniques for rejecting background in germanium detectors 4—39442
Roth, J.P. VLSI embedding without cyclic shorts 4—30692
Roth, J.P., Tang, D.T., Woo, L.S. Switching-network analysis 4—29621
Roth, J.P., Tsai, M.Y., Woo, L.W. Pass-transistor-circuit-failure analysis 4—36841
Roth, J.R. *see* Hayman, P.W. 4—62337
Roth, M. *see* Kellermeier, H. 4—33947
Roth, M. *see* Knoche, K.F. 4—56752
Roth, M. *see* Schieber, M. 4—29463
Roth, R. *see* Baker, J.K. 4—53513
Roth, S. *see* Ehinger, K. 4—51797
Roth, T.F. *see* Kwong, A.F. 4—58046
Roth, T.J. *see* Brunemeier, P.E. 4—35492
Roth, T.J. *see* Stillman, G.E. 4—30343
Roth, W. Microcomputer business sytems: a team-taught, group project approach 4—45853
Roth, W.D. A measuring preamplifier 4—35645
Roth, W.-D. Analog semiconductor relay 4—36112
Roth, W.-D. ZX 81 a la carte: the telephone computer. X 4—60563
Roth, W.R. Fast-response DC servo drives 4—57620
Roth, Z. *see* Preminger, J. 4—39820
Rothbart, G.B., Fullwood, R.R. Experimental rectification studies using ERMA 4—29306
Rothbart, G.B. *see* Sheppard, J.C. 4—59716
Rothenberg, A. *see* Beer, A. 4—61682
Rother, M. *see* Wiesemann, W. 4—60822
Rother, P., Gauger, E., Lange, W. TV transmissions from geostationary satellites 4—54946
Rotheram, S. A radio interference model for Western Europe 4—31713
Rothermel, K. A communication model for transaction oriented applications in distributed systems 4—38335
Rothhaupt, W. Precision laboratory power supply 4—35615
Rothhaupt, W. Load substitute for potentiometers 4—46556
Rothman, M., Suddards, A.D. Numerical and CAD techniques applied to overhead equipment for electric railways 4—50171
Rothmann, K. Public telephone transmission techniques 4—54543
Rothmayer, M. Concepts and proposed solutions for modern pulse and synchronising systems in television production 4—55005
Rotholz, E. Phase noise of mixers 4—58206
Rotholz, E., White, B.E. A frequency-routed satellite system concept using multiple orthogonally-polarized beam for frequency reuse 4—32113
Rothschild, E.L.de *see* de Rothschild, E.L.
Rothwarf, F. *see* Rabenburg, L. 4—31030
Rothwell, D. *see* Pickup, J.C. 4—61807
Rothwell, D. *see* Sutherland, I.A. 4—33855
Rothwell, H.L. *see* English, G.J. 4—57512
Rothwell, P. The potential of EMS for improving certain office communications 4—54152
Rotkiewicz, P., Paruszewska, W. Balanced frequency conversion with elimination of mirror signals 4—58486
Rotman, W. Analysis of an EHF aplanatic zoned dielectric lens antenna 4—53299
Roto, M.A., Johnson, J.F., Damon, D.H., Engelhardt, J.S. Analysis of moisture in oil-impregnated paper tapes 4—30873
Rotondale, N. *see* Marongiu, I. 4—49890
Rott, W., Teubner, W. The new transmitting-antenna installation for the SWF's Lake Constance station 4—59872
Rotteleur, G. *see* Brunetaud, J.M. 4—49298
Rotter, F. New definition of the metre 4—55146
Rottger, B. Btx concepts for communities 4—54278
Rottmann, D. *see* Gerendt, S. 4—38807, 4—48572
Rottmann, H.R. Method for statistical performance measurements of a lithographic system 4—47089
Rottmann, H.R. Dimensional errors in stepping lithography 4—58984
Rottmann, H.R., Yuan, Q.K. Method for lithographic tool and process characterization 4—51954
Rou, R. *see* Cote, A. 4—33586
Rouault, G. *see* Boisson, V. 4—36321
Roucos, S., Wilgus, A.M. Speaker normalization algorithms for very-low-rate speech coding 4—53483
Roucos, S. *see* Krasner, M. 4—53528
Roucos, S. *see* Schwartz, R. 4—59995
Rougeot, H. Solid-state X-ray sensitive detectors for nondestructive inspection 4—29277
Rougeron, M., Malaterre, P. Possibilities offered by long-flight-time balloons for the exploration of the lower stratosphere 4—56286
Rouget, R. *see* Doniat, D. 4—45619, 4—62694
Rougny, R. *see* Benneton, M. 4—49176
Rouhani, R., Usoro, P.B., Lebow, W., Mehra, R.K. A two level approach to reactive planning in power systems 4—49566
Roulet, H. *see* Maillot, C. 4—30745
Roullard, F.P., III Alexandrite laser technology for chemistry applications 4—59472
Roulston, D.J., Eltoukhy, A.A. Bipolar device simulation using a combination of 1D regional and 2D regional numerical analysis 4—36556
Roulston, D.J. *see* Bakker, G.W. 4—52065
Roulston, D.J. *see* Kumar, R. 4—47348
Rounds, W.C. *see* Golson, W.G. 4—37794
Rouquie, G. *see* Crepy, H. 4—53481
Rouquier, D. *see* Olive, V. 4—50908
Rous, Z. *see* Klikos, M. 4—60345
Rouse, D.M. *see* Liu, M.T. 4—54420
Rouse, P.D. Modifying the FRG-7. I 4—48409
Rouse , W.B. *see* Henneman, R.L. 4—60337
Rousseau, D. *see* Chiron, G. 4—33231
Rousseau, E. Infrared sensing in hot box detectors 4—55463
Rousseau, J.Y. *see* Brand, C. 4—33639
Rousseau, K.V., Yen, K.H., Lau, K.F., Kong, A.M. High-frequency shallow bulk acoustic wave quartz frequency sources 4—30934
Rousseau, K.V. *see* Lau, K.F. 4—59112
Rousseau, M.D. *see* Barnes, R.G.L. 4—33697
Roussel, L. *see* Julien, J. 4—33690
Roussel, R. Personnel health physics in nuclear power stations 4—39623
Roussille, R., Amingual, D., Boch, R., Destefanis, G.L., Tissot, J.L. 32×32 planar IR photovoltaic mosaic arrays on sputtered $Cd_xHg_{1-x}Te$ epilayers 4—31227
Roussy, G. *see* Charreyre, M. 4—55642
Roux, J.Le *see* Le Roux, J.
Roux, M., Bernard, J., Reulet, R. Photon effect on electron-irradiated boron-doped silicon solar cell 4—57351
Roux, M., Reulet, R., Bernard, J., Stievenard, D., Bielle-Daspet, D., Lagouin, M., Castaner, L., Canigueral, J. Electron induced degradation and recovery under space conditions of lithium-doped silicon solar cells 4—57356
Roux, S.de *see* de Roux, S.
Rouzanov, I.V., Nikonov, A.V., Iesakov, V.F. The influence of automatic level regulators on the properties of sound signals 4—48545
Roveda, R. *see* De Gasperis, P. 4—31036, 4—42232

Rovedo, N. *see* Johnson, C., Jr. 4—36842
Rovek, I.I. *see* Knot'ko, P.N. 4—40064
Rovelli, S. Testing procedures [circuit breaker testing] 4—40351
Rovelli, S. *see* Aldrovandi, G. 4—45552
Rovelli, S. *see* Brandolini, A. 4—49991
Rovenskii, V.B. *see* Grigor'ev, M.I. 4—49878
Rover, J. *see* Bach, M. 4—39563
Rover, O. 8WA1 line-up terminals—a range with many advantages 4—57244
Rovera, G.D. *see* De Marchi, A. 4—61488
Roversi, J.A. *see* Srivastava, R. 4—52651
Row, J., Daugherty, D. Operating system extensions link disparate systems 4—60484
Rowan, J.W., Carr, P., Warde, C.J., Henriksen, G.L. Zinc-chloride battery technology: Status 1983 4—40425
Rowan, P. Control six functions over two wires 4—41519
Rowan, W.L. *see* Brower, D.L. 4—39298
Rowbury, C. *see* Bond, A.H. 4—53824
Rowe, D.M., Shukla, V.S. A sensitive AC system for measuring changes in small Hall voltages at high temperatures 4—33427
Rowe, H.E. Processing channel-bank spectrometer data 4—44196
Rowe, R.K. *see* Inculet, I.I. 4—53152
Rowe, R.W. *see* Kim, K.I. 4—39536
Rowen, C., Przbylski, S.A., Jouppi, N.P., Gross, T.R., Shott, J.D., Hennessy, J.L. A pipelined 32 b NMOS microprocessor 4—51305
Rowland, C.B., McQueen, J.E., Jr. The W4TWW coaxial inverted 'L' antenna for 160 meters 4—59857
Rowland, J.R. *see* Wright, B.H. 4—46441
Rowland, M.S., Robertson, J.C. A fast neutron activation detector for pulsed sources 4—61681
Rowland, P.J. *see* Forman, A.V. 4—60166
Rowland, R.J. Surface mounting improves productivity 4—51623
Rowland, R.M.D. Open University—a personal view 4—60983
Rowland, S.M. The statistics of breakdown in thin aluminium oxide films 4—59067
Rowland, T.J., Cruickshank, M.J. Mining for phosphorites on the United States outer continental shelf—opportunities for development 4—61988
Rowlands, J.A., Hynes, D.M., Harris, R., Edmonds, E.W., Baranoski, D. Effect of system temporal response in radiological video imaging 4—49145
Rowley, B.A. *see* Bhansali, P.V. 4—44766
Rowley, R. *see* Stevenson, A. 4—54763
Rowley, W.R.C. *see* Barwood, G.P. 4—47433
Roy, B. Teletel servers: principles of functioning and architecture 4—38252
Roy, B. Teletel servers. II. Examples of construction and evolution 4—38255
Roy, B., Texier, A. Teletal interface services 4—43718
Roy, D. *see* Arnaud, C. 4—56625
Roy, D. *see* Parasie, Y. 4—56624
Roy, D. *see* Tremblay, D. 4—37536
Roy, G. Simulation of voltage clamp experiments with FET analogue circuits 4—44703
Roy, G., Poitevin, P., Olivier, G. A comparative study of single phase modulated AC choppers 4—57232
Roy, J. *see* Basu, M. 4—55958
Roy, J. *see* Ghosh, d. 4—33747
Roy, J.B. *see* Basu, P.K. 4—30644
Roy, J.N. *see* Bose, D.N. 4—58796
Roy, P. *see* Dudelzak, B. 4—55821
Roy, P. *see* Licina, G.J. 4—34418
Roy, R., Patro, A.P. Use of linear induction accelerators for heavy ions 4—33614
Roy, R. *see* Fox, R.F. 4—37339
Roy, S. *see* Pandya, T.P. 4—42502
Roy, S.C.Dutta *see* Dutta Roy, S.C.
Roy, S.K. *see* Mittra, D.K. 4—40355
Roy, W.S., March, S.W., Zavitz, H.J. Subscriber radio brings telecom to the islands 4—60663
Roy, Y. Measurement of TV and FM antenna system VSWR 4—47674
Royden, H.N., Miller, R.B., Buennagel, L.A. Comparison of NAVSTAR satellite *L* band ionospheric calibrations with Faraday rotation measurements 4—47621
Roye, D. *see* Bolopion, A. 4—57210
Royer, D., Dieulesaint, E., Kummer, P. Pyroelectric imaging of defects in bulk acoustic wave lithium niobate transducers 4—48849
Royer, D. *see* Dieulesaint, E. 4—42220, 4—52436
Royer, H., Vermorel, J. High-resolution holography at a very long distance 4—37492
Royer, M., Holmen, J.O., Wurm, M.A., Aadland, O.S., Glenn, M. ZnO on Si integrated acoustic sensor 4—33230
Royer, M. *see* Meslage, J. 4—52786
Roylance, L. *see* Perner, F. 4—58281
Royle, A. *see* Mullin, J.B. 4—30546
Royles, R. A low cost microprocessor based data logging system for transducers 4—33189
Roys, G.P. *see* Mikkelsen, C.D. 4—33924
Royston, D.D., Geng, Z., Liu, J. Silicon radiometer whose response is independent of operating temperature 4—33299
Roytman, L.M. *see* Plotkin, E.I. 4—47733, 4—60044
Roytman, L.M. *see* Swamy, M.N.S. 4—35947, 4—53742, 4—53745
Rozanov, N.N. *see* Murina, T.A. 4—59608
Rozanov, Yu.K. *see* L'vov, E.L. 4—57154
Rozanov, Yu.N. *see* Bezlyudnyi, S.V. 4—46635
Roze, Yu.A. *see* Dyatchenko, A.A. 4—59271
Rozen, A.A. *see* Lishenko, L.G. 4—46248
Rozenberg, I.S. *see* Vas'ko, N.M. 4—45699
Rozenberg, S.Sh. *see* Khomenok, L.A. 4—55738
Rozenshtein, B. *see* Singer, S. 4—34889
Rozentsvaig, A.B. *see* Ol'khovikov, B.V. 4—62724
Rozgonyi, G.A. *see* Carter, C.H., Jr. 4—51980
Rozgonyi, G.A. *see* Sadana, D.K. 4—46931
Rozha, K. *see* Yanoshi, M. 4—37283
Rozhdestvenskii, A.V. *see* Shaterin, M.A. 4—61571
Rozhentsev, V.S., Bocharnikov, V.V., Marakhovskii, V.I., Botsman, S.G. Electrohydraulic vibration testing device of type EGV 4—39314
Rozhentsev, V.S., Prokopenko, Yu.D., Sukhorukov, V.M., Novikov, A.V. Electric hydraulic machines used for fatigue tests 4—33131
Rozhkov, A.I. *see* Iskhakov, A.S. 4—34623
Rozhkov, A.V. *see* Andreev, V.M. 4—31238
Rozhkov, A.V. *see* Gaybullayev, S. 4—52077
Rozhkov, A.V. *see* Zadiranov, Yu.M. 4—36571
Rozhkov, B.K. *see* Galpern, A.D. 4—47524, 4—47528
Rozhkovskii, D.A. Fibre optics in the lighting units of astrophysical equipment 4—59242
Rozhnev, A.G. *see* Kuznetsov, A.P. 4—51705
Rozhnova, I.P. *see* Vasin, V.P. 4—44940
Rozich, W.R. *see* Collini, G.J. 4—58846
Rozinskii, L.S. *see* Parol', N.V. 4—50957
Rozman, I.M. *see* Andreeshchev, E.A. 4—33720
Rozman, I.M. *see* Belousov, G.D. 4—49080
Rozman, Ya.B. The electric drives for feed mechanisms with control of the speed and position of the operating unit 4—57381
Roznerski, W. *see* Braglia, G.L. 4—59391
Rozorinov, G.N. *see* Obolikshto, B.S. 4—52464
Rozorinov, G.N. *see* Pletneva, T.G. 4—53340
Rozov, A.A. *see* Makhnbyuk, B.I. 4—29980
Rozov, B.S. *see* Gaisak, I.I. 4—49073
Rozprim, J. *see* Podzimek, O. 4—62717
Rozsa, K. *see* Janossy, M. 4—31316
Rozsenich, N. *see* Maurer, H.A. 4—60441
Rozycki, J. *see* Meder, L. 4—49648
Rozzi, T.E. *see* Kumar, T. 4—42642
Rozzi, T.E. *see* Ormondroyd, R.F. 4—47459
Rozzi, T.E. *see* Shore, K.A. 4—37372
Rtishchev, V.M. *see* Vakorin, A.A. 4—40512
Ru-hua Chen *see* Chen Ru-hua
Ru-ji Huang *see* Huang Ru-ji
Ruan Cheng-li Analysis of the reflection characteristics of 90° phase shifter 4—41549
Ruan Yongsheng, Hong Guangzhong, Wang Jiyang A miniature solid state laser 4—31351
Ruban, A.S. *see* Vendik, O.G. 4—55433, 4—59073
Rubashov, G.M. Industrial power supply systems with thyristor current limiters in shunt 4—56594
Rubashov, I.B. *see* Tikhonov, A.N. 4—39524, 4—44738
Rubbel, E. *see* Aleite, W. 4—44442
Rubbia, C. *see* Aprile-Giboni, E. 4—55812
Rubbia, C. *see* Centro, S. 4—55849
Rubel, M. Presenting discrete data on volume in stereoscopically projected pictures 4—32068
Rubenstein, E. Medical imaging with synchrotron radiation 4—56093
Rubenstein, E. *see* Otis, J.N. 4—39544
Rubenstein, E. *see* Zeman, H.D. 4—56094
Rubichev, N.A., Sorokin, V.G. Optimizing an observational network in estimating the parameters of a set of fields with various scales 4—55299
Rubin, A.L. *see* Posner, E.C. 4—47705
Rubin, A.L. *see* Truong, T.K. 4—48498
Rubin, B.J. The propagation characteristics of signal lines in a mesh-plane environment 4—41738
Rubin, D. *see* Fank, B. 4—36065
Rubin, I. *see* De Moraes, L.F.M. 4—32128, 4—53959
Rubin, J.B. *see* Harding, W.C. 4—46498
Rubin, K. *see* Chen, M. 4—52541
Rubin, L.J. Electric utilities subsystem: A critique 4—40773
Rubin, P.E. Wideband window to the information age 4—32804
Rubin, S.M. An integrated aid for top-down electrical design 4—35586
Rubin, S.V. *see* Azimov, S.A. 4—41875
Rubin, V.S. *see* Andreev, A.A. 4—51912
Rubinacci, G. Numerical computation of the eddy currents on the vacuum vessel of a tokamak 4—31599
Rubinov, A.N., Asimov, M.M., Gavrilenko, V.N., Zhukovskaya, A.I. Influence of solvent deuteration on the spectral-luminescent and generational properties of xanthene and oxazine dyes 4—42581
Rubinov, A.N. *see* Asaenok, N.A. 4—59490
Rubinov, A.N. *see* Murav'ev, A.A. 4—59469
Rubinshtein, A.I. On moduli of continuity and best approximations in L_p of functions representable as Lacunary Walsh series 4—46188
Rubinson, Ya.G., Valenbakh, V.D., Limarev, A.K., Vishnevetskii, Ya.M. Reconditioning the valves of the control systems of steam turbines 4—40084
Rubinstein, F.M. *see* Verderber, R.R. 4—57520
Rubinstein, J. *see* Walczyk, F. 4—36738
Rubinstein, M. *see* Krebs, J.J. 4—59794
Rubio, E. *see* Rodriguez, J. 4—47642
Rubio, R. *see* Lindberg, J.D. 4—56285
Ruble, R. Bilateral MOSFETs solve a range of AC control problems 4—58922
Rubow, K.L. *see* Accomazzo, M.A. 4—36418
Rubtsova, L.E. *see* Grashchenkov, N.F. 4—51000
Ruby, L. *see* Anderson, L.W. 4—61661
Ruchkin, A.G. *see* Vaneev, B.N. 4—62675
Ruchti, R., Baumbaugh, B., Bishop, J., Biswas, N., Cason, N., Erichsen, R., Kenney, V., Kreymer, A., Mountain, R., Shephard, W., Rogers, A. Scintillating glass, fiber-optic plate detectors for active target and tracking applications in high energy physics experiments 4—33680
Rucker, W.M., Richter, K.R. Calculation of two-dimensional eddy current problems with the boundary element method 4—31593
Ruckle, B. *see* Dobele, H.F. 4—37439
Rud, Yu.V. *see* Brudnyi, V.N. 4—36273
Rud', Yu.V. *see* Valov, Yu.A. 4—29448
Ruda, H., Jedral, L., Lagowski, J., Gatos, H.C. Mercury-pressure-induced epitaxy of HgCdTe 4—46225
Ruda, M.C. *see* Todd, M.N. 4—39707
Rudan, M. *see* De Castro, E. 4—46787
Rudat, R. *see* Drechsel, H. 4—55953
Rudavin, E.R. *see* Boradaev, V.A. 4—44589
Rudavsky, A.B. Physical and numerical model studies of hydrodynamic forces on a moored ship 4—61970
Rudberg, A., Sahlin, O. Planning of ISDN 4—43560
Rudchenko, P.A. *see* Panchishin, V.I. 4—41522
Rudd, E.P. The solution of ill-scaled circuit equations 4—50902
Rudder, R.A., Cook, J.W., Jr., Schetzina, J.F., Lucovsky, G. Planar magnetron sputtering of *a*-Si:H and *a*-Ge:H thin films 4—46240
Ruddy, F.H., Gold, R., Roberts, J.H., Kaiser, B.J., Preston, C.C. Imaging of fast neutron sources using solid state track recorder pinhole radiography 4—55960
Ruddy, F.H., Roberts, J.H., Gold, R. Some unique applications of solid state track recorder autoradiography in the nuclear industry 4—55942
Ruddy, F.H., Roberts, J.H., Gold, R., Preston, C.C. Application of solid state track recorders in light water reactor pressure vessel surveillance dosimetry 4—39465
Ruddy, F.H., Roberts, J.H., Gold, R., Preston, C.C. Light water reactor pressure vessel surveillance dosimetry using solid state track recorders 4—55914
Ruddy, F.H., Roberts, J.H., Gold, R., Preston, C.C. Applications of solid state track recorder neutron dosimetry for fuel debris location in the Three Mile Island Unit 2 makeup and purification demineralizers 4—55937
Ruddy, F.H. *see* Gold, R. 4—39459, 4—55896
Ruddy, F.H. *see* Preston, C.C. 4—39464
Ruddy, F.H. *see* Roberts, J.H. 4—39463, 4—55919, 4—55932
Ruddy, J.M. *see* Zimmerman, D.L. 4—37589
Rudee, M.L. Review plans for new center for magnetic recording research at UC San Diego 4—47197
Ruden, P. *see* Dohler, G.H. 4—58785
Ruden, T.E. Kinematic description of crossed field electron-RF wave interaction with superposed transverse magnetic wiggler 4—30267
Ruden, T.E. Relativistic magnetron interaction 4—30268
Rudenko, A.I. *see* Bystritskii, V.M. 4—39482
Rudenko, T.E. *see* Lysenko, V.S. 4—41914
Rudenko, Yu.N. *see* Krogeris, A.F. 4—39986
Rudenko, Yu.V. *see* Koroteev, I.E. 4—57178
Rudenok, I.P. Propagation of surface waves in gradient planar waveguides with an irregular segment 4—42913
Rudge, A.W. Offset parabolic reflector antennas 4—42943
Rudilosso, C. Mobile radio system in rural telecommunications 4—60736
Rudin, H., Bux, W. *(editor)* Performance of Computer-Communication Systems. Proceedings of the IFIP WG 7.3/TC 6 Second International Symposium 4—48272
Rudkin, A.M. Reduction of operating costs by means of modern measuring instruments 4—48910
Rudkin, A.M. Signal generators 4—55499
Rudko, M., Tromp, L.D. Nonlinear Volterra systems identification and error analysis 4—35595
Rudloph, W., Wilhelmi, B. Calculation of light pulses with chirp passively mode-locked lasers taking into account the phase memory of absorber and amplifier 4—59577
Rudner, S. *see* Olsson, L. 4—60948

Rudnick, D.T., Tuck, J.W. Perspectives on social change: women in engineering technology. I 4—35181
Rudnitskii, L.M., Frumin, V.L., Guetskii, B.A., Klimov, N.Z. Definition of the spatial position of the axes of an elliptical magnetic field 4—59706
Rudnitskiy, B.E. Accuracy of tracking a moving target using angular coordinates in the optical band in the case of extremely weak signals 4—32854
Rudnitskiy, V.B. *see* Vernik, S.M. 4—32251
Rudniv, V.N. *see* Kokinov, A.M. 4—62786
Rudolf, D., Schwarz, D. The information technology for the network command centre of the HEAG 4—34167
Rudolf, F. *see* Popovic, R.S. 4—39151
Rudolf, M. *see* Grunewald, T. 4—39618
Rudolph, K. *see* Rohrer, L. 4—33597
Rudolph, L. A robust sorting network 4—41148
Rudolph, L.D. *see* Gao, J.P. 4—47783
Rudolph, P. *see* Gille, P. 4—50736
Rudolph, W. Protective conduction-protective measures of DIN 57 100/VDE 0100—international harmony, influence of LENELUC and IEC [electric shock protection] 4—29201
Rudolph, W. Revisions and additions to DIN 57 100/VDE 0100 4—34039
Rudolph, W., Wilhelmi, B. Formation of frequency chirp in ultrashort light pulses passing through saturable absorbers 4—31486
Rudolph, W. *see* Dietel, W. 4—47435
Rudov, M.H. Marketing ISDNs: reach out and touch someone's pocketbook 4—47963
Rudoyasova, L.G. *see* Nefedov, E.I. 4—31733
Rudralingappa, B. *see* Kosta, S.P. 4—54966
Rudshtein, V.L. *see* Mavashev, Yu.Z. 4—55369
Rudskiy, V.A. *see* Grigor'yev, B.I. 4—30607
Rudy, Y. *see* Liebman, J. 4—49204
Rudzyanok, I.P. *see* Kalesnikau, P.M. 4—42922
Ruebusch, R. *see* Apfel, R. 4—38140
Rueda, A. *see* Huertas, J.L. 4—41515
Rueda, F. *see* Escosura, L. 4—36277
Ruedger, W.H. *see* Aanstoos, J.V. 4—53935
Ruegg, W. High precision voltage-frequency convertors [analogue-digital convertors] 4—41404
Rueppel, R.A. A unification of all existing upper bounds for the random-access problem 4—38122
Ruetschi, A. *see* Beer, W. 4—49102
Ruf, R. Electrical installations in the age of the microcomputer 4—40775
Ruf, R.R. *see* Gambino, R.J. 4—52448
Rufang Gao *see* Gao Rufang
Ruff, E. *see* Friedrich, R. 4—49785, 4—62388
Ruff, G. *see* Auer, W. 4—49921
Ruff, G.A. *see* De Serio, R. 4—31454
Ruffieux, S. SF_6 medium voltage circuit breakers—self extinction has proved its worth 4—45541
Ruffner, G. *see* Lorenz, S. 4—39651
Ruffolo, J.J., Jr. *see* Ham, W.T., Jr. 4—56206
Rufft, D.J. *see* Trutt, F.C. 4—56686
Rufilanchas, J.J. *see* Hernandez, C. 4—49239
Ruge, J. *see* Decker, J. 4—59664
Rugeng Wang *see* Wang Rugeng
Ruger, K. Cat's eye: hand-held multimeter with novel display technique 4—48930
Rugg, D. *see* Rinard, G. 4—53181
Ruggeberg, R. Have expectations placed on Teletex been met? 4—32270
Ruggerio, P.A. Positive photoresist polymerization through pulsed photomagnetic curing 4—36724
Ruggiero, F. Renormalized Fokker-Planck equation for the problem of the beam-beam interaction in electron storage rings 4—33582
Ruhbaum, M. Some future aspects of nuclear power station waste management 4—39993
Ruhl, F.F., Snyder, A.W. Anisotropic fibers studied by the Green's function method 4—52561
Ruhl, H.W. *see* Dreissig, D. 4—37887
Ruhl, J. *see* Rogalla, H. 4—37066
Ruhs, W. *see* Clemens, H. 4—36295
Rui Jinyi *see* Pan Hongjin 4—37239
Ruifang Tu *see* Tu Ruifang
Ruijun, X. *see* Xuan, P. 4—62015
Ruile, H. Hot line to the boss 4—60562
Ruineau, C. *see* Dumas, D. 4—52787
Ruiping Huang *see* Huang Ruiping
Ruiqin Lin *see* Lin Ruiqin
Ruitenbeek, J.C., Janssen, R.J. Computer-controlled manipulator/display system for human-movement studies 4—44701
Ruiter, R.de *see* de Ruiter, R.
Ruiu, A. Waste heat recovery in industry with turbomachines using organic fluids 4—40634
Ruixiang Liu, Birch, K.G. A practical comparison of aberration polynomials 4—55161
Ruiz, A. *see* Basu, M. 4—55958
Ruiz, A. *see* Ghosh, d. 4—33747
Ruiz, C. *see* Chamorro, J.L. 4—49191
Ruiz, E. *see* Firmani, C. 4—46778
Ruiz, J.C., Martinez, J.L., Urias, J. Electrolytical diffusion of antimony in silicon 4—41948
Ruiz, J.M., Cid, M., Cuevas, A. Experimental and theoretical study of the influence of base resistivity on the performance of silicon solar cells 4—34912
Ruiz, J.M. *see* Chenlo, F. 4—34920
Ruiz, J.-M. *see* Lesourd, J.B. 4—50391
Ruiz Shulcloper, J. Processing of biomedical information by means of pattern recognition models 4—39510
Rukhadze, A.A. *see* Karbushev, N.I. 4—59719
Rukhailo, N.V. *see* Sakhnenko, A.V. 4—29542
Rukhin, V.B. *see* Dudkin, V.A. 4—37308
Rukhman, E.L. *see* Ionev, S.S. 4—48179
Rukina, A.N. *see* Kolosov, M.A. 4—42866
Rule, E.A. Your life in your hands! [lightning protection] 4—49632
Rulea, G. Branch directional coupler directivity as a frequency function 4—58510
Rulian Fu *see* Fu Rulian
Rulliere, C. *see* Dupuy, F. 4—59463
Rumelhard, C. *see* Le Brun, M. 4—30109
Rumin, Z., Wanot, S. The present situation and forecast of the consumption of electric energy in mines—members of the Association of Collieries in Bytom 4—45814
Ruming Chen *see* Chen Ruming
Rumjantsev, S.L. *see* Kireev, O.A. 4—36055
Rumland, R. TELECAMERA FAC72: the new Grundig electronic colour system 4—38832
Rumler, A. *see* Dusek, Z. 4—30128
Rummans, J.A., Jr. *see* Ansell, R.J. 4—57864
Rummel, P. A model-based visual sensor system for complex industrial scenes 4—43461
Rummich, E. *see* Haas, P. 4—62522
Rummler, W. *see* Killesreiter, H. 4—55777
Rumsby, D., Ware, R.M., Smith, B., Tyjberg, M., Brozel, M.R., Foulkes, E.J. Improved uniformity of LEC undoped gallium arsenide produced by high temperature annealing 4—30350
Rumsey, F. Sound dubbing techniques for film and video: a comparison 4—44355
Rumyantsev, M.I. *see* Nasel'skii, S.P. 4—42607
Rumyantsev, S.L. *see* Levinshtein, M.E. 4—30338
Rumyantsev, V.D. *see* Allakhverdiev, A.M. 4—50067
Rumyantsev, V.D. *see* Andreev, V.M. 4—40445, 4—62708
Rumyantseva, M.N. Considerations on determining the luminance and intensity of some types of luminaires 4—62789
Run Wang *see* Wang Run
Rundle, T. The implications of the new data services 4—32176
Rung, R.D. *see* Cham, K.M. 4—36849
Rung, R.D. *see* Chiang, S. 4—36880
Runge, G. Telefax—a service with a history but without a future 4—60445
Runge, K. *see* Arefiev, A. 4—55843
Runge, K. *see* Artemiev, V. 4—61684
Runggaldier, W.J., Spizzichino, F. Approximations and bounds for a generalized optimal stopping problem 4—46164
Runia, R.D. Radiation load recording system 4—33892
Runo, A.V. *see* Demidchik, V.I. 4—53283
Runqing Tian *see* Tian Runqing
Runt, J., Galgoci, E.C. Piezoelectric composites of PZT and some semi-crystalline polymers 4—36932
Runtsch, E. *see* Hasse, P. 4—39932
Ruoff, J. How to test Winchester disk drives 4—40833
Rupe, U. *see* Egger, D. 4—61863
Rupkus, S.S., Markyavichyus, V.P., Nyavyarauskas, A.V. Analysis of the error characteristics of an acousto-electronic filter based on the Monte-Carlo method 4—36981
Rupp, J.P. Data link considerations for industrial applications 4—48053
Rupp, R.A. *see* Kukhtarev, N.V. 4—59586
Ruppel, C., Ehrmann-Falkenau, E., Stocker, H.R., Veith, R. Optimum design of SAW-filters by linear programming 4—52387
Ruppel, C. *see* Ehrmann-Falkenau, E. 4—52386
Ruppelt, F. Evaluation of design parameters in industrial power plants 4—45284
Rupprecht, C. Technical features of the CEPT standard 4—50613
Ruqing Wang *see* Wang Ruqing
Rus, L., Skvor, V. Utilisation of the ADT 7300 hybrid system as an evaluating system of experimental measurements 4—33097
Rusakova, G.I. *see* Alyavina, N.I. 4—50196
Rusakova, Z.N. *see* Pupkov, K.A. 4—53616
Rusch, R.J., Jones, W.D. Automated distribution system mapping—an overview 4—62104
Rusch, W.V.T. The current state of the reflector antenna art 4—47675
Ruschin, S. *see* Gover, A. 4—52842
Ruschmeyer, K. Chokes, premagnetized by permanent magnets 4—37042
Ruseev, N.F., Lisov, A.F., Maslov, Yu.N. Systems for measuring magnetic properties 4—33445
Rusek, J. The torque and the current of an induction machine in steady state operation, fed by a current inverter 4—34639
Rusen, W.R. *see* Hendricks, J.R. 4—35295
Ruseva, P.S. *see* Boyadzhiev, Ya.S. 4—45988
Rush, J.D., Beales, K.J., Cooper, D.M., Duncan, W.J. The effects of hydrogen on optical fibres 4—52682
Rush, J.D., Beales, K.J., Cooper, D.M., Duncan, W.J., Rabone, N.H. Hydrogen related degradation in optical fibres—system implications and practical solutions 4—59226
Rush, O.W. Plastic injection molding tackles substrates 4—30185
Rush, O.W. Using injection moulded PCBs 4—51606
Rushford, M.C. *see* Tai, K. 4—42708
Rushforth, C.K. *see* Zhou, Y. 4—53931, 4—60254
Rushinek, A. *see* Rushinek, S.F. 4—43820
Rushinek, S.F., Rushinek, A. Evaluation of communication networks and distributed data processing systems: its implications for management 4—43820
Rusin, Yu.S., Lobeev, Yu.S. Effect of short-circuited turns on parameters of inductive components 4—46646
Rusina, F. *see* Canavesio, F. 4—32716
Rusina, G.M. *see* Vladimirov, L.V. 4—33802
Rusinek, B.R. *see* Walsh, P.S. 4—62310
Ruskin, A.M., Estes, W.E. The project management audit: its role and conduct 4—57748
Russak, M.A., Creter, C. Vacuum evaporated $CdSe_{1-x}Te_x$ thin films for electrochemical photovoltaic cells 4—45658
Russak, M.A. *see* Reichman, J. 4—46895
Russe, P. *see* Bausiere, R. 4—34783
Russel, D.E. *see* Andrews, P.J. 4—61077
Russel, R.F., Gaines, D.P., Sedenquist, F.W. Improved radar range resolution using frequency agility and the fast Fourier transform 4—60909
Russel, R.F., Sedenquist, F.W., Gaines, D.P. Frequency agile/polarimetric radar—simulation and testing 4—54880
Russell, B. Power out of thin air [zinc air cells] 4—50030
Russell, B.D., Harvey, S.M., Nilsson, S.L. Substation electromagnetic interference. I. Characterization and description of the transient EMI problem 4—53232
Russell, B.D., Kotheimer, W.C., Malewski, R. Substation electromagnetic interference. II. Susceptibility testing and EMI simulation in high voltage laboratories 4—53233
Russell, C. Corporate strategies in the face of changing waste strategies 4—35260
Russell, D.M. Aegis air defense ships shield the fleet 4—32850
Russell, D.M. Arbitrary function generator simulates sonar waveforms 4—33330
Russell, D.M., Green, M. The instrumented man—live war games 4—31532
Russell, D.W., Gross, C.A., King, J.W. Preliminary report—reliability evaluation of the Solar Total Energy Project 4—56895
Russell, F.E. Improving ventilation in manholes [cable splicing operations] 4—40812
Russell, G.F. *see* Paddock, C.A. 4—31411
Russell, G.T., Wells, S.C. A comparative study of motion estimation techniques for application to sub-sea robotics 4—54736
Russell, J. Prestel adaptors 4—38240
Russell, J.D. *see* Jones, S.B. 4—40660
Russell, J.M., III *see* Gille, J.C. 4—56293
Russell, J.P. *see* Goodman, A.M. 4—36618
Russell, N. *see* Romich, P. 4—56200
Russell, P.E. SEM based characterization techniques for semiconductor technology 4—51933
Russell, P.E. *see* Matson, R.J. 4—36334
Russell, P.E. *see* Moore, C.A. 4—51862
Russell, P.J., Winterbottom, N., Newberry, S., Snyder, J.M. Design system architecture and the role of database 4—46303
Russell, P.J. *see* Newberry, S. 4—47090
Russell, R.A. Thermal touch sensing 4—39133
Russell, R.D. *see* Narod, B.B. 4—61335
Russell, S., Levelle, T. Modular networking in a satellite environment 4—38556
Russell, S.J. New feature diagnosis and function linkage 4—29920
Russell, T.R. *see* Scott, T.R. 4—47637
Russell, T.W.F., Philips, J.E. Polycrystalline thin film solar cells 4—50100
Russmann, K.-E. Switched in stages: current source 4—29650
Russo, C.J., Downey, D.F., Holden, S.C., Fulks, R.T. Rapid isothermal annealing for semiconductor applications: aspects of equipment design 4—36424
Russo, F. *see* D'Andrea, N.A. 4—29717
Russo, M. *see* Cristiano, R. 4—31077
Russo, V. Fibers in medicine. I 4—33870
Russo, V., Righini, G.C., Sottini, S., Trigari, S. Microlens-ended fibres: a new fabrication technique 4—47245
Russomanno, D.M. *see* Favata, A.F. 4—29973, 4—29979, 4—35911, 4—35915, 4—35919, 4—35920, 4—35923, 4—35924
Rust, H.-P., Krahl, D., Herrmann, K.-H. A cooling device for the SIT camera tube of a TV image recording system for conventional transmission electron microscopy 4—48619
Rust, R.D., Rhodes, R.J., Parker, A.A. Uniform plasma etching of printed circuit boards 4—41710
Rustad, S. *see* Moen, T.O. 4—62268
Rustay, R.C., Stutt, C.A., Wooding, R., Hughes, W.C., Gajjar, J.T. Applications of a computer model to distribution line carrier design 4—32623
Ruster, R. *see* Czechowsky, P. 4—49473
Rusu, G. *see* Rusu, M. 4—56694

Rusu, M., Rusu, G. Automatic oscillation detection in the case of asynchronous operation of energy systems 4—56694
Rusu, S. *see* Silard, A. 4—58592
Rusu, S.M. *see* Silard, A.P. 4—36568
Rutenbar, R.A., Mudge, T.N., Atkins, D.E. Wire routing experiments on a raster pipeline subarray machine 4—35770
Rutgers, W.R., Verhagen, F.C.M., van der Wey, A.H. Dielectric recovery after interruption of a high current arc discharge 4—50010
Ruth, B. *see* Bromborsky, A. 4—53253
Ruth, R.P. *see* Yang, J.J. 4—36252
Rutkowski, A.M. The integrated services digital network: issues and options for the future 4—43905
Rutkowski, J., Macura, A. Fault location for nonlinear resistive circuits 4—35600
Rutland, L. *see* Dam, A.S. 4—49689
Rutledge, D. *see* Young, P.E. 4—39344
Rutledge, D.B. *see* Neikirk, D.P. 4—39191, 4—48904
Rutledge, D.B. *see* Rav-Noy, Z. 4—44447
Rutledge, D.B. *see* Tong, P.P. 4—42968
Rutman, D.S. *see* Maurin, A.F. 4—29541
Rutt, H.N. A heterodyne frequency offset locking technique for pulsed or CW lasers 4—52905
Rutter, M.J., Cowan, C.F.N., Grant, P.M. The timed lattice—a new approach to fast-converging equaliser design 4—51478
Rutter, M.J. *see* Grant, P.M. 4—51442
Ruyer, J.P. *see* Marlard, P. 4—29264
Ruyven, L.J.Van *see* Van Ruyven, L.J.
Ruzinski, N., Mustapic, M. Preparation of make-up water by the use of strongly and weakly acidic resins in one column 4—40668
Ruzinsky, M., Saly, V. The influence of temperature and illumination on the effectiveness of the CIS solar cells 4—45623
Ruzinsky, M. *see* Baratka, S. 4—50064
Ruzmaikin, A.A. *see* Molchanov, S.A. 4—59707
Ruzza, G. Videotel and interconnected Videotex systems—present position and development strategy 4—38263
Rvachev, V.L., Man'ko, G.P., Fed'ko, V.V. Technology of differentiating functions of many variables on an electronic computer 4—57984
Rwabona-Katashaya, S., Evans, B.G. Depolarization properties of metal space frame radomes for use in satellite communication systems 4—59892
Ryabchii, V.D. *see* Lozyanoi, V.I. 4—41565
Ryabikov, S.V. *see* Lidorenko, N.S. 4—55714
Ryabov, A.I. *see* Nasel'skii, S.P. 4—42607
Ryabtsev, G.I. *see* Korolev, M.V. 4—61349
Ryabtseva, V.D. *see* Papunashvili, N.A. 4—42392
Ryabukho, V.P. *see* Kilmenko, I.S. 4—53108
Ryabukho, V.P. *see* Klimenko, I.S. 4—31514, 4—47526
Ryadinskii, B.F. *see* Barannikov, A.L. 4—37497
Ryakhin, A.D. *see* Bakut, P.A. 4—60221
Ryan, D.R. Justifying CAD for PCBs 4—51618
Ryan, H.M. *see* Milne, D. 4—62672
Ryan, J. Integrated quality database management systems 4—40879
Ryan, J. Controlling static: new solutions to an old problem 4—45991
Ryan, J. *see* Hallock, D. 4—30563
Ryan, J. *see* Schonfelder, V. 4—33779
Ryan, J.T. *see* Feder, D.O. 4—57335
Ryan, L.D. Alphamosaics vs. NAPLPS: the cost/performance trade-off [videotex] 4—48108
Ryan, M.J. Managing large robot installations 4—50434
Ryan, P.M. On-chip fault realignment for reliability and yield enhancement 4—46468
Ryan, T. *see* Rameika, R. 4—33678
Ryan, T. *see* Wagoner, D.E. 4—33676
Ryazankin, G.A. *see* Avrutik, A.M. 4—61214
Ryazanov, B.P. Stability of low-frequency sine-wave generator 4—58200
Ryazanov, M.I. *see* Babadzhan, E.I. 4—37424
Ryazanov, S.V. *see* Krasavin, A.V. 4—34426, 4—40101
Ryba, J.M. *see* Bartley, G.K. 4—51672, 4—58647
Rybak, V. IMS-2—examples of measurement automation 4—48728
Rybakov, N.K. *see* Pronyakin, V.T. 4—41133
Rybakov, V.G. *see* Leonenko, D.A. 4—48789
Rybakow, W.S. *see* Gorochow, W.A. 4—33307
Rybalchenko, L.F. *see* Yanson, I.K. 4—37053
Rybalka, V.V. *see* Konakova, R.V. 4—46628
Rybalko, A.M. *see* Pavlyuk, V.A. 4—47669
Rybin, V.N. *see* Boiko, V.A. 4—30299
Rybin, V.N. *see* Vakorin, A.A. 4—40512
Rybin, V.N. *see* Vorob'ev, A.S. 4—57297
Rybin, Yu.K., Budeikin, V.P. Complex spectrum analyzer of low-frequency periodic signals 4—55327
Ryden, K.-H. *see* Engstrom, O. 4—30456
Ryden, K.-H. *see* Jorgensen, C. 4—51892
Ryden, T.K. *see* Elliott, D.M. 4—62765
Ryder, K.D. An experimental address space isolation technique for SNA networks 4—38305
Ryder, K.D. *see* Cole, L.J. 4—32441
Rydin, A., Sundvall, J. Line circuit component SLIC for AXE 10 4—32557
Ryding, G. *see* Armstrong, A. 4—36450
Rydwanski, F.C., Jr., Higgins, L.M., III, Thomas, J.L. Overview of high density IC packaging and interconnections 4—45977
Rye, B.J. *see* van Dijk, J.W. 4—54898, 4—59685
Ryen, N. *see* Mickelson, A.R. 4—42362
Ryge, P. *see* Gehrels, N. 4—33704
Ryge, P. *see* Reeves, J.H. 4—33766
Rykov, O.A. *see* Dyskin, V.I. 4—62861
Rymashevskii, S.K. *see* Kuznetsov, A.P. 4—52211
Ryne, R.D. *see* Gluckstern, R.L. 4—31553
Rys, A., Burrows, I.L.C., Portnoy, W.M. Deep levels at p-n and n-p AlGaAs-GaAs heterojunction interfaces 4—36269
Rys, A.G. *see* Kazantsev, S.A. 4—47537
Rysanek, V. Teaching and research activities in the Department of Electrotechnology and Microtechniques of the Prague Czech Technical University 4—40732
Rysiakiewicz-Pasek, E. *see* Lewowska, L. 4—30246
Rysin, A.A. *see* Kazakov, B.V. 4—38814
Rysin, V.V., Kubarev, A.B., Kubyshkin, V.V. Precision calibrating equipment for laser power 4—53053
Ryssel, H., Haberger, K. Ion-beam lithography 4—41975
Ryssel, H. *see* Gotzlich, J. 4—36423
Ryssel, H. *see* Haberger, K. 4—41977
Ryssel, H. *see* Metzger, M. 4—36456
Rytz, A., Wiltshire, R.A.P. Absolute determination of the energies of alpha particles emitted by ^{236}Pu 4—56015
Ryu, K. Dimmable HMI lightning system for a TV studio 4—60976
Ryu, Z.M. *see* Pearce, J.A. 4—55245
Ryul Kim Bong *see* Bong Ryul Kim
Ryuzan, O. *see* Mori, T. 4—30319
Ryuzawa, S., Fukushima, N., Mochizuki, K. A dynamic simulator for dispatcher training 4—62036
Ryvkin, B.S. *see* Nemenov, M.I. 4—37462
Ryzhechkin, S.A. *see* Murav'ev, A.A. 4—59469
Ryzhenko, A.I. *see* Alekhin, V.I. 4—44912
Ryzhevnin, V.N. *see* Vasilenko, P.G. 4—42421
Ryzhii, V.I. *see* Lubashevski, I.A. 4—46792
Ryzhii, V.I. *see* Lubashevskii, I.A. 4—30419
Ryzhkov, N.F. *see* Venger, A.P. 4—32876
Ryzhov, V.A. *see* Kazakov, V.G. 4—33535
Ryzhov, Yu.A. *see* Lapin, V.G. 4—59757
Ryzhov, Yu.N. *see* Voloshchenko, Yu.I. 4—53249
Rzadkiewicz, A. *see* Kirkbright, G.F. 4—46266
Rzemieniewski, P. Selecting differential shock protections [electric shock protection] 4—40814
Rzemieniewski, P. Automatic measurement of the time parameters of relays 4—61314
Rzemieniewski, P. *see* Wojtowicz, S. 4—42189
Rzhanov, A.V., Rzhanov, Yu.A., Balkarei, Yu.I., Elinson, M.I., Golik, L.L. Numerical simulation of the phase memory in nonlinear active media with diffusion 4—36246
Rzhanov, Yu.A. *see* Rzhanov, A.V. 4—36246
Rzhendinskaya, S.N. *see* Zhukov, A.V. 4—39484

S., J.Frausto *see* Frausto S., J.
Sa, J.L.Pinto *see* Pinto Sa, J.L.
Sa da Costa, J.M.G. Transient security assessment in power systems 4—62110
Saab, D. *see* Hajj, I.N. 4—36894
Saad, A., Tobazeon, R. Transient liquid motion induced by charge injection from plane polymer sheets 4—57298
Saad, A. *see* Argaman, G. 4—41558
Saad, M.W. *see* Erickson, J.M. 4—60595
Saad, Y. Practical use of some Krylov subspace methods for solving indefinite and nonsymmetric linear systems 4—29406
Saad, Y. Chebyshev acceleration techniques for solving nonsymmetric eigenvalue problems 4—46176
Saadallah, S. *see* Allos, J.E. 4—49008
Saadat, F. *see* Gray, R.M. 4—37862
Saadat, M. Electrohydraulic arm-prosthesis 4—61817
Saal, C. Excess temperature of stator windings of asynchronous squirrel cage motors 4—62532
Saaman, A.A. *see* Hanssen, J.H.L. 4—35478
Saari, A.E. *see* Fiorentino, E. 4—50557
Saari, P.M. *see* Rebane, A.K. 4—37488
Saari, R.A., Mercurio, J., Niederkofler, D.A. Multispeed drive systems for large induced draft fans 4—50134
Saat, R.G.M *see* van den Akker, T.J. 4—56126
Saba, M. *see* Mursi, M.M. 4—46300
Saban, J., Zaharija-Tiska, D., Strbuncelj, Z. Large diesel generators for nuclear power plants and the process industry 4—56753
Saban, J. *see* Sirotic, Z. 4—56938
Sabanovic, A., Izosimov, D.B., Bilalovic, F., Music, O. Sliding modes in controlled motor drives 4—57406
Sabanovic, A. *see* Bilalovic, F. 4—57031
Sabata, I.De *see* De Sabata, I.
Sabatini, R.L. *see* Rajeswaran, G. 4—58726
Sabban, A., Navon, E. A MM waves microstrip antenna 4—37775
Sabben, G. *see* Lenz, P. 4—49300
Sabharwal, S.C., Murthy, S.S., Berg, G.J. A digital torque angle transducer 4—39139
Sabin, M.J., Gray, R.M. Product code vector quantizers for waveform and voice coding 4—47798
Sabinin, Yu.A. *see* Kazanskii, V.M. 4—40263
Sabirov, O.I. *see* Bystrov, V.P. 4—56305
Sablatash, M. *see* Mortimer, B.C. 4—43724
Sabolis, C. *see* Burrier, R. 4—58399
Sabonnadiere, J.C. *see* Bigeon, J. 4—31615
Sabonnadiere, J.C. *see* Meunier, G. 4—34795
Sabonnadiere, J.-C. *see* Du Terrail, Y. 4—62497
Sabotinov, N.V. *see* Astadjov, D.N. 4—59439
Saboya, F.E.M. *see* Braga, S.L. 4—34538
Sabri, S., Cuffling, K., Prasada, B. Coding of video signals at 50 kb/s using motion compensation techniques 4—38838
Sabri, S. *see* Dubois, E. 4—53899
Saburi, K. *see* Yamazaki, S. 4—51729
Saburi, M. Development of a multimicroelectrode measurement system 4—48727
Saburi, M., Yamada, M., Shigematsu, Y. Development and characteristics of a glass microelectrode coated with a ferromagnetic thin film 4—56128
Saburi, Y., Yoshimura, K., Kato, S., Imae, M., Morikawa, H., Sato, T., Takahashi, K., Kawajiri, N., Kawano, N., Takahashi, F., Kawaguchi, N., Koike, K., Yoshino, T., Sugimoto, H., Kuroiwa, H., Kondo, T., Hama, S., Kunimori, H., Takahashi, S., Murakami, H., Kurihara, N., Amagai, J., Kiuchi, H., Kaneko, A., Kozono, S. The first US-Japan VLBI test observation by use of K-3 system at the Radio Research Laboratories 4—44198
Saburi, Y. *see* Urabe, S. 4—52826
Sacarisen, S.P., Stambaugh, M.A., Lou, P.W., Khosrovi, A., Chang, K.S. A VLSI communication processor designed for testability 4—51302
Sacchetti, R. *see* Ambrosini, M.L. 4—46279
Sacchi, E. *see* Boggiatto, D. 4—44808
Sacco, S. Hermetic packages meet an important need 4—40874
Sacconi, A., Peuto, A. A new reference standard for density measurements 4—61551
Sacedon, J.L. *see* Alonso, M. 4—51998
Sacham, N., Craighill, E.J., Poggio, A.A. Speech transport in packet-radio networks with mobile nodes 4—32083
Sachar, D.A. Cabling the automated office 4—32363
Sachdeva, S.S. Transformer tap setting and system voltage raise impact on optimum planning of static capacitors 4—45007
Sachenko, A.V. Frequency dependences of the photocurrent in surface-barrier structures based on amorphous hydrogenated silicon: theory 4—31239
Sacher, E., Klemberg-Sapieha, J., Wertheimer, M.R., Schreiber, H.P., Groleau, R. Surface contributions to the two-layer structure in the plasma deposition of a-Si:H 4—35506
Sacher, E. *see* Currie, J. 4—36493
Sacher, R.S. *see* Ecker, J.G. 4—46136
Sachitano, J. *see* Park, H.K. 4—46970
Sachs, E. For profit in the private services [radio systems] 4—38469
Sachs, J.E., Berkovits, S. Probabilistic analysis and performance modelling of the 'Swedish' algorithm and modifications 4—53440
Sacilotti, M. *see* Mircea, A. 4—41092
Sack, H.-A. *see* Niemann, K. 4—62745
Sack, L. *see* Frank, D. 4—35611
Sackett, L.L. *see* David, S.S. 4—44854
Sackman, G.L. A real-time signal analysis laboratory for non-EE students 4—35208
Sacknoff, E.J. Instrumentation for urologic laser surgery 4—39588
Sacks, L.H. EHF command technology 4—48449
Sacquin, Y. *see* Brand, C. 4—33639
Sada Gamiz, J., Aboytes, F. Operation and control of the Mexican interconnected system 4—62071
Sadakane, K. *see* Ichikawa, Y. 4—34286
Sadamatsu, H. *see* Inoue, M. 4—51343
Sadana, D.K. Characterization of interfaces in ion implanted and processed semiconductor 4—41952
Sadana, D.K., Maszara, W., Wortmann, J.J., Rozgonyi, G.A., Chu, W.K. Germanium implantation into silicon. An alternate pre-amorphization/rapid thermal annealing procedure for shallow junction formation 4—46931
Sadana, D.K. *see* Carter, C.H., Jr. 4—51980
Sadana, D.K. *see* Sands, T. 4—36426
Sadana, D.K. *see* Wu, N.R. 4—36425
Sadana, D.K. *see* Zavada, J.M. 4—51978
Sadani, L.K., Raibole, U.P. Estimation of Bowen's ratio from temperature and humidity measurements using thermistors and water vapour fluxes over a bare cotton soil 4—33979
Sadaoka, Y., Sakai, Y. Humidity sensor using sintered sodium phosphate-zircon 4—33250
Sadaoka, Y., Sakai, Y. Humidity sensor using sintered alumina and zircon—relation between electrical resistivity and surface area of the oxides 4—33251

Sadashige, K. An introduction to analog component recording 4—48610
Sadchikov, S.V. *see* Fedorov, A.A. 4—56403
Saddoris, R.S. CAD/CAM—what about computer aided quality? 4—45997
Sadedin, D.R. Efficiency equations of the railgun 4—42792
Sadedin, D.R. Geometry of a pulse transformer for electromagnetic launching 4—42818
Sadeghi, T., Wozney, M. An optimal proportional-plus-integral/tracking control law for aircraft applications 4—48517
Sadeh, D. *see* Abboud, S. 4—49195
Sadek, F.S., Herrell, A.Y. Proximate analysis of solid fossil fuels by thermogravimetry 4—55734
Sadler, K.A. Satellite communication performance evaluation model for aircraft systems 4—32771
Sadler, R.A., Eastman, L.F. A performance study of GaAs direct-coupled FET logic by self-aligned ion implantation 4—58274
Sadler, R.J. *see* Gatenby, P.V. 4—60176
Sadlon, K. *see* McMahon, T.J. 4—58823
Sadova, N.F. *see* Zil'berman, G.A. 4—33122
Sadovnik, I. *see* Pian, C.C.P. 4—40488
Sadovnikov, V.P. *see* Gordin, M.P. 4—42710
Sadovoi, N.N., Chernyshev, Yu.O. A microprocessor system for solution of integer linear programming problems 4—29375
Sadowski, R.S., Wormser, A.F. Operating experience with a coal fired two stage FBC in an industrial plant setting 4—49780
Sadrai, M., Bird, G.R. A new laser dye with potential for high stability and a broad band of lasing action: perylene-3,4,9,10-tetracarboxylic acid-bis-N,N′(2′,6′ xylidyl)diimide 4—59464
Sadughi, S., Kim, H.K. A new design for selective linear phase bandpass filters with arithmetical symmetry 4—29994
Sadykov, Z.B. *see* Klokov, V.V. 4—40648
Saegusa, T. *see* Hagiwara, N. 4—55628
Saeks, R. *see* Iyer, A. 4—46289
Saenko, V.A., Vladimirov, A.I., Veremeichenko, G.N. Plasma evaporator 4—46247
Saenko, Yu.L. *see* Zhezhelenko, I.V. 4—45579
Saenz, G., Jr. *see* Day, M.N. 4—51210
Safar, M.H. On the equalization of the transformerless seismic streamer response 4—39686
Safari, A. *see* Halliyal, A. 4—47150
Safaryan, G.K. *see* Kaasik, P.Yu. 4—40255
Saffari, N., Bond, L.J. Mode-conversion phenomena at surface-breaking cracks for defect characterization 4—50872
Saffari, N. *see* Bond, L.J. 4—46264
Safin, Sh.R. *see* Sardushkin, V.Yu. 4—39485
Safiuddin, M., Subba Rao, V. Microprocessor based optimal control for cyclic duty DC drives 4—57426
Safonov, A.N. *see* Abil'siitov, G.A. 4—59655
Safonova, M.A. *see* Anishchenko, V.S. 4—35675
Safonow, L.P. *see* Wladimirski, O.A. 4—45294
Safronov, A.G. *see* Baginskii, L.V. 4—49627
Safronova, N.Yu. *see* Apenko, V.P. 4—50479
Saft, S.A. Arianespace gears up to compete with NASA 4—38542
Saga, K. *see* Shinzawa, M. 4—60524
Saga, R. *see* Suzuki, R. 4—38513
Sagae, K. *see* Mizuno, K. 4—59839
Sagara, N., Fukushima, M. A continuation method for solving separable nonlinear least squares problems 4—29393
Sagawa, E. *see* Iwamoto, I. 4—33920
Sagawa, M., Fujimura, S., Togawa, N., Yamamoto, H., Matsuura, Y. New material for permanent magnets on a base of Nd and Fe 4—30953
Sagawa, M. *see* Honma, H. 4—46202
Sagawa, M. *see* Suzuki, T. 4—52446
Sage, W.L. *see* Donaldson, A.M. 4—49760
Sage, W.L. *see* Stringfellow, T.E. 4—34419
Sagebarth, J. *see* Ide, H.-D. 4—43537
Sager, J.C. *see* Boyd, R.T. 4—54536
Saggese, E. *see* Carassa, F. 4—60794
Saghri, J.A., Tescher, A.G. Model-based restoration procedure for small, low resolution optical images 4—47912
Saghri, J.A., Tescher, A.G. Adaptive transform coding based on chain coding concepts 4—53820
Sagisaka, Y., Sato, H. Accentuation rules for Japanese text-to-speech conversion 4—53474
Sagisaka, Y. *see* Murata, A. 4—39890
Sagitov, S.I. *see* Belenov, E.M. 4—30471
Sagues, F. *see* Bayes de Luna, A. 4—49248
Sagutdinov, R.Sh., Kuznetsov, A.P., Bar'yadaev, K.K. Stationary indicator of high voltage 4—35242
Sagutdinov, R.Sh. *see* Grig'oreva, V.A. 4—56698
Sagutdinov, R.Sh. *see* Krasnikov, V.I. 4—45081
Sah, C.-T., Sun, J.Y.-C., Tzou, J.J.-T. Study of the atomic models of three donor like defects in silicon metal-oxide-semiconductor structures from their gate material and process dependencies 4—30436
Sah, C.Tang *see* Tang Sah, C.
Saha, A.R., Mazumder, B.C. A flash-type frequency-to-code converter 4—36005
Saha, A.R., Nandi, S., Nandi, R. Desensitisation of the oscillation frequency of RC sub-audio sinewave generators with single resistor control 4—51026
Saha, S.K. *see* Saraswat, R.C. 4—51418
Sahai, B. *see* Narayan, L.R.A. 4—62272
Sahai, R. *see* Sovero, E.A. 4—30013
Sahlin, O. *see* Rudberg, A. 4—43560
Sahn, T. *see* Di, A. 4—40931
Sahner, P. Digital ultra-sonic position determination 4—44616
Sahni, S. *see* Cohoon, J. 4—36132
Sahni, S. *see* Han, S. 4—51102
Sahni, S.K. *see* Raghavan, R. 4—52207
Sahu, S.N. *see* Chandra, S. 4—62707
Sai-Halasz, G. *see* Chappell, B. 4—51235
Sai-Halasz, G. *see* Harrison, H.B. 4—59005
Sai-Halasz, G.A., Tang, D.D. Soft error rates in static bipolar RAMs 4—35815
Sai-Halasz, G.A. *see* Faris, S.M. 4—52501
Saia, J.J. *see* Millman, J.T. 4—54885
Saia, R. *see* Cohen, S.S. 4—58792
Saichuk, I.V. *see* Tokar, U.Ya. 4—34593
Said, A.I., Mandoko na Mpeya, B. Sub and supersynchronous induction motor-thyristor cascade control 4—50140
Said, S.M., Dimond, K.R. Improved implementation of FFT algorithm on a high-performance processor 4—35451
Saied, M.M., Abdallah, H.M., Abdallah, A.S. Damping effect of load on the ferroresonance phenomenon in power networks 4—62058
Saif, A.G. *see* Shehata, L.N. 4—31059
Saifulin, Sh.Z. *see* Voevodin, M.A. 4—33577
Saiga, N., Kajitani, K. High-resolved vibrations in a partially electroded semi-infinite piezoelectric plate 4—52335
Saijo, T. *see* Shimada, K. 4—62626
Saijonmaa, J. *see* Hermansson, B. 4—47257
Saikia, D.K. *see* Yegnanarayana, B. 4—47851
Saikin, A.S. *see* Alekseev-Popov, A.V. 4—59649
Saile, B. *see* Dirzus, J. 4—58058
Sain, A.M. Energy Nomographs as an educational tool for design of energy efficient natural and artificial lighting systems 4—57535
Sainov, N.A. Use of an REM-200 scanning electron microscope for scanning electron-beam annealing 4—46951
Sainov, S.C. *see* Sainov, V.C. 4—36653
Sainov, V.C., Sainov, S.C., Ossikovska, S.N. Investigation of heat transfer in integrated circuits using holographic interferometry 4—36653
St.-Onge, H. *see* McNicoll, Y. 4—34212
St. Amand, J.V. Local area networks: a matter of choice 4—32388
St. Clair, J.C. Scannable flip-flops for CMOS LSI 4—51148
St. Croix, N.L.de *see* de St. Croix, N.L.
St. John, R.C. Experiments with mixtures, ill conditioning, and ridge regression 4—50630
St. Laurent, R. *see* Silburt, A.L. 4—59044
Saint Louvent, B.De *see* De Saint Louvent, B.
St. Pierre, C. Loss of excitation protection for synchronous generators on isolated systems 4—56983
Saint-Andre, B.V., Maurel, J., Michel, D., Rivierre, B., Joseph, J. A multi-element primary feed system and associated switch device designed for TDMA communication satellites 4—31803
Saint-Andre, B.Vidal *see* Vidal Saint-Andre, B.
Saint-Felix, D., Mohammad-Djafari, A., DeMoment, G. Iterative generalized inverse image restoration 4—60257
Sainthorant, D. Mixware: mixed dialogue for mixed user needs 4—48115
Sainty, W.G. *see* Martin, P.J. 4—47236
Saito, A., Imamura, M., Miyanagi, H., Sasaki, T. DC and AC characteristics of Co base amorphous cores for switching applications 4—52467
Saito, G. *see* Anzai, H. 4—29435
Saito, H. Dielectric measurements in 100 GHz range using resonant cavity 4—61500
Saito, H., Watabe, H. X-ray CCD image sensor with a thick depletion region 4—44443
Saito, H. *see* Fukuoka, N. 4—30507
Saito, H. *see* Fukuzawa, T. 4—52943
Saito, H. *see* Morikawa, T. 4—62624
Saito, H. *see* Tanaka, S. 4—52773
Saito, H. *see* Tsukada, N. 4—36482
Saito, I. *see* Hokkyo, J. 4—30995
Saito, K., Isobe, S., Tomita, K., Nakamura, T., Kaneda, E., Kinoshita, K., Kurono, T., Inuzuka, E. Application of a two-dimensional photon counting system to astronomical observations 4—51718
Saito, K., Tashiro, K., Sato, H., Hori, T., Omura, S. On-board optical data communications network for train control 4—32820
Saito, K. *see* Horiguchi, S 4—42074
Saito, K. *see* Okada, K. 4—55354
Saito, K. *see* Sawatari, N. 4—41113
Saito, K. *see* Shinohara, H. 4—42357
Saito, K. *see* Watanabe, H. 4—38401
Saito, M. Perspectives in medical and biological engineering 4—49108
Saito, M. *see* Hosaka, R. 4—56099
Saito, M. *see* Wakaumi, H. 4—36872
Saito, M. *see* Watanabe, K. 4—57510
Saito, M. *see* Yamamoto, F. 4—35028
Saito, N., Aoki, K., Sannomiya, H., Yamaguchi, T. Properties of amorphous $Si_{1-x}Ge_x$:H alloys prepared by planar magnetron sputtering 4—50821
Saito, N., Aoki, K., Sannomiya, H., Yamaguchi, T. Optical and electrical properties of hydrogenated amorphous $Si_{1-x}Ge_x$ alloy thin films prepared by planar magnetron sputtering 4—52771
Saito, N., Toyooka, T., Yoshizawa, S. The temperature variation law of the *Q*-value for air-cored coils and realisation of coils with zero temperature coefficient 4—46649
Saito, N. *see* Kumasaka, N. 4—30962
Saito, N. *see* Matsumoto, K. 4—29363, 4—57922
Saito, N. *see* Uzawa, S. 4—31048
Saito, R., Suzuki, Y., Seo, K. A three phase rectifier using energy constant modulation 4—57193
Saito, R. *see* Minemura, H. 4—31083
Saito, S., Nakagawa, T., Hirata, A., Miyazaki, M. New application of current-type inverter 4—34743
Saito, S., Nilsson, O., Yamamoto, Y. Coherent FSK transmitter using a negative feedback stabilised semiconductor laser 4—60841
Saito, S., Sakai, T. Improvement of transmission characteristics of pulsating fluid signal by use of rarefied gas 4—49483
Saito, S., Urabe, S. Study of a SAW voltage-controlled-oscillator using the vector summation method 4—46375
Saito, S., Yamamoto, Y., Kimura, T. Modulation and demodulation technology for coherent optical fiber transmission—FSK heterodyne detection 4—38630
Saito, S. *see* Banno, H. 4—52330
Saito, S. *see* Sato, M. 4—51252
Saito, T., Ohdomari, I. Quantitative analysis of the bond rearrangement process during solid phase epitaxy of amorphous silicon 4—41059
Saito, T. *see* Gotoh, K. 4—54502
Saito, T. *see* Niori, M. 4—41602
Saito, T. *see* Ogue, J.C. 4—35971
Saito, T. *see* Sakata, S. 4—43996
Saito, T. *see* Suzuki, K. 4—61276
Saito, T. *see* Tokumitsu, Y. 4—36052, 4—38511
Saito, Y., Matsue, H., Komaki, S. A new way of generating the Nyquist spectral shaped high-speed and multilevel digital signals 4—41505
Saito, Y., Saotome, H., Hayano, S., Yamamura, T. Modelling of hysteretic and anisotropic magnetic field problems toroidal transformer 4—30138
Saito, Y. *see* Honma, S. 4—33503
Saito, Y. *see* Nakamura, Y. 4—59922
Saito, Y. *see* Tezuka, Y. 4—50980
Saito, Y. *see* Yasuami, S. 4—41888
Saitoh, H. *see* Semura, S. 4—41993
Saitoh, S. *see* Higuchi, K. 4—41916
Saitoh, S. *see* Miyamoto, J. 4—36739, 4—51240
Saitoh, T., Harashima, H., Miyakawa, H. Reversible predictive coding of continuous-tone picture signals using block adaptive variable-length codes—a scheme of reversible coding for picture database 4—60173
Saitoh, T. *see* Hirata, K. 4—36470
Saitoh, T. *see* Tokiguchi, K. 4—40480
Saitoh, Y., Yoshihara, H., Watanabe, I., Nakayama, S. Submicron pattern replication using a high contrast mask and two-layer resist in X-ray lithography 4—36391
Saitoh, Y. *see* Kobayashi, S. 4—33505
Saitoh, Y. *see* Yatani, T. 4—54039
Saitta, L. SECOP, an optical fibre system for perimeter protection 4—33297
Saitta, L. *see* Ippolito, G. 4—59951
Saiz Repila, F., Torrecillas, S.R., Barrios Bravo, L.J. Configuration and design of data acquisition systems 4—39092
Saj, C.F. *see* King, R.D. 4—40566
Saja, J.A.De *see* De Saja, J.A.
Saji, M. *see* Huque Khan, M.R. 4—30400
Saji, Y. *see* Nakamura, K. 4—51192, 4—52037, 4—52789
Saka, H. *see* Shiomi, Y. 4—54986
Sakabe, Y. *see* Tamura, H. 4—41559
Sakae, T. *see* Matoba, M. 4—33662, 4—55977
Sakagami, I., Hatori, K. On digital frequency multipliers constructed with distributed coupled-line constant-resistance passive networks 4—58415
Sakagami, I. *see* Watanabe, T. 4—43131
Sakaguchi, H., Huarong, Z. Digital processing of partial differential equation by *Z* transform 4—41024
Sakaguchi, H. *see* Kuma, S. 4—52342
Sakaguchi, H. *see* Yamamoto, S. 4—31375
Sakaguchi, J. *see* Hagiwara, S. 4—58209
Sakaguchi, M. *see* Kamisada, R. 4—61464
Sakaguchi, S., Hibino, Y., Tajima, Y. Fatigue in silica glass for optical fibers 4—52596
Sakaguchi, S., Nakahara, M., Tajima, Y. Drawing of high-strength long-length optical fibers 4—37117
Sakaguchi, S. *see* Kimura, T. 4—31112
Sakaguchi, S. *see* Shibata, S. 4—52557
Sakaguchi, S. *see* Tajima, Y. 4—38639
Sakaguchi, T. *see* Muraoka, Y. 4—54042

Sakaguchi, Y. *see* Taguchi, K. 4−33042
Sakai, E. Induced radioactivities in silicon and germanium irradiated with high-energy heavy ions 4−33706
Sakai, E. Performance of a nuclear reactor cover-gas monitor using charcoal-Ge gamma-ray spectrometer combination 4−34342
Sakai, H. Statistical analysis of Pisarenko's method for sinusoidal frequency estimation 4−31966
Sakai, H., Sato, Y., Akutsu, S. Installation report on the Greater Chittagong Project for Bangladesh 4−50001
Sakai, H. *see* Hama, K. 4−59144
Sakai, H. *see* Shimazu, Y. 4−54359
Sakai, H. *see* Takemoto, T. 4−36809
Sakai, I. *see* Kawakubo, T. 4−61666
Sakai, J.-i., Machida, S., Kimura, T. Twisted single-mode optical fiber as polarization-maintaining fiber 4−37132
Sakai, K., Yamaguchi, Y. Nonlinear dynamics of a Josephson oscillator with a cosϕ term driven by DC- and AC-current sources 4−52509
Sakai, K. *see* Matsushima, Y. 4−33320
Sakai, K. *see* Sakaki, H. 4−37360
Sakai, K. *see* Utaka, K. 4−31265, 4−37371
Sakai, K. *see* Yoshida, T. 4−42540
Sakai, S., Akoh, H., Hayakawa, H., Yagi, A. Fluxon propagation on a Josephson transmission line 4−52488
Sakai, S., Kagawa, Y., Yamabuchi, T. Acoustic field in an enclosure and its effect on sound-pressure responses of a loudspeaker 4−38947
Sakai, S., Umeno, M. Crystal growth of AlGaAs by MOCVD 4−41057
Sakai, S. *see* Akoh, H. 4−52487
Sakai, S. *see* Takahashi, Y. 4−50806
Sakai, T., Kumamaru, T., Sugawara, M., Sasagawa, H. Development of the computer program for the reliability evaluation of equipment 4−34069
Sakai, T., Noguchi, N. International TV booking administration system (TVBAS) 4−43719
Sakai, T., Sakina, Y., Hane, K., Suzuki, T. Breakdowns in Si JFETs 4−47032
Sakai, T., Suzuki, M. Super self-aligned bipolar technology 4−30752
Sakai, T., Zannoli, S. Solutions for the application of intelligent oscilloscopes with digital stores 4−61201
Sakai, T. *see* Asano, S. 4−32410
Sakai, T. *see* Mayanaga, H. 4−51208
Sakai, T. *see* Saito, S. 4−49483
Sakai, T. *see* Sugiyama, H. 4−55217
Sakai, T. *see* Taniguchi, K. 4−43466
Sakai, Y., Hashimoto, N., Minato, O., Masuhara, T. Advanced CMOS technology for VLSI 4−47138
Sakai, Y., Hiramatsu, T., Takei, Y., Fukumura, Y. DIPS VLSI processor development 4−29899
Sakai, Y., Inoue, J., Ogata, Y., Shimura, S., Obata, K. Handwriting communication system 'Telewriter WG-1000' 4−54447
Sakai, Y., Kurosawa, K. Development of elevator supervisory group control system with artificial intelligence 4−50166
Sakai, Y., Reynolds, J.L., Neureuther, A.R. Topography modeling in dry etching processes 4−41994
Sakai, Y. *see* Ando, Y. 4−58597
Sakai, Y. *see* Hanamura, S. 4−30790
Sakai, Y. *see* Inaba, H. 4−57072
Sakai, Y. *see* Kawanishi, H. 4−54167
Sakai, Y. *see* Minato, O. 4−51239
Sakai, Y. *see* Sadaoka, Y. 4−33250, 4−33251
Sakai, Y. *see* Watanabe, Y. 4−44750
Sakai, Y. *see* Yasuda, H. 4−38231
Sakaida, M. *see* Hara, S. 4−58126
Sakaki, H. Evolution of new device concepts in quantum-well and superlattice structures 4−41883
Sakaki, H., Hirakawa, K., Yoshino, J., Svensson, S.P., Sekiguchi, Y., Hotta, T., Nishii, S., Miura, N. Effects of electron heating on the time-dimensional magnetotransport in AlGaAs/GaAs heterostructures 4−51844
Sakaki, H., Hotta, T. Electron overflow and interface state effect in MBE-grown AlGaAs/GaAs MISS-FETs 4−52092
Sakaki, H., Yoshino, J., Sekiguchi, Y., Sakai, K. Superlattice optical-cavity multiple-quantum-well (SOC-MOW) lasers grown by molecular-beam epitaxy 4−37360
Sakaki, H. *see* Arakawa, Y. 4−42656
Sakaki, H. *see* Hirakawa, K. 4−51813
Sakaki, H. *see* Inoue, K. 4−30621
Sakaki, H. *see* Kawaji, S. 4−46849
Sakaki, H. *see* Yoshino, J. 4−51846
Sakaki, M. *see* Inoue, Y. 4−57604
Sakaki, Y., Sato, T., Ito, T. Loss evaluation in converter transformer cores 4−57139
Sakakibara, K. *see* Muroyama, S. 4−56601
Sakakibara, M., Kondo, K., Wada, Y. A microprocessor-equipped electronic motor-protection relay for induction motors 4−34664
Sakakibara, T., Yoshii, K., Kito, Y. Overvoltages due to intermittent arcing faults in 6.6 kV CV cable systems 4−39879
Sakakibara, Y. *see* Hirano, R. 4−37385
Sakakibara, Y. *see* Oomura, E. 4−53016, 4−59532
Sakakibara, Y. *see* Shimaya, M. 4−52126
Sakalauskas, S.Yu., Dobrovol'skis, A.T., Martsinkyavichyus, V.A. High-voltage amplifier 4−50998
Sakallah, K.A., Director, S.W. SAMSON: an event driven VLSI circuit simulator 4−58994
Sakama, Y., Nakagawa, S., Kunitachi, T., Into, K. Data communication processing service and its user interface 4−54360
Sakamoto, A. *see* Koyama, M. 4−44098
Sakamoto, A. *see* Kukita, S. 4−44091, 4−44095
Sakamoto, K. *see* Kanai, H. 4−44753
Sakamoto, K. *see* Mukai, T. 4−56485
Sakamoto, M., Okumura, F., Kajiwara, Y., Uchida, H., Kaneko, S. High speed and high resolution ISO A4 size amorphous Si:H contact linear image sensor 4−61277
Sakamoto, M. *see* Hoshino, Y. 4−62854
Sakamoto, M. *see* Kozono, S. 4−54647
Sakamoto, M. *see* Nagatsu, T. 4−32711
Sakamoto, N. *see* Akune, T. 4−31057
Sakamoto, S. *see* Fujita, Y. 4−51336
Sakamoto, T., Yoshida, T., Hirai, J., Sasaoka, S. Voice storage equipment hardware design 4−54459
Sakamoto, T. *see* Kawanami, H. 4−59258
Sakamoto, T. *see* Kolodziejski, L.A. 4−35471
Sakamoto, T. *see* Tsutsumi, S. 4−45723
Sakamoto, T. *see* Yasukawa, A. 4−35317
Sakane, M. *see* Hirano, K. 4−46580
Sakano, S., Matsumura, H. Experimental studies of metal-clad tapered optical waveguides 4−42345
Sakashita, S. *see* Sato, T. 4−55023
Sakashita, T. *see* Nagano, K. 4−46414
Sakashita, Y. *see* Yamada, H. 4−40248
Sakata, A.T., Smith, B.E. Microprocessor-based substation metering and control system 4−49651
Sakata, A.T., Smith, B.E., Murphy, J.E. Microprocessor-based substation metering and control system 4−62634
Sakata, H. Masking of chrominance pattern movement and its application to color television signal transmission 4−55006
Sakata, I., Yamanaka, M., Mori, Y., Hayashi, Y. Optical and electrical properties of hydrogenated amorphous silicon prepared by glow discharge decomposition of disilane 4−58752
Sakata, I. *see* Hayashi, Y. 4−35505
Sakata, I. *see* Iida, H. 4−34882
Sakata, K. *see* Takenaka, T. 4−30850
Sakata, M. *see* Yamazaki, T. 4−30303
Sakata, S., Saito, T., Inose, H. A PCM-TDMA one dimensional mobile communication system using leaky coaxial cables 4−43996
Sakata, S., Ueno, J. A minimum-delay transmission scheme for multidestination communication in a store-and-forward network 4−32092
Sakauchi, M. *see* Ohsawa, Y. 4−53916
Sakaue, K., Kidode, M. Recent trend of image processors 4−48807
Sakaue, T. *see* Fujita, Y. 4−51336
Sakaue, T. *see* Imai, S. 4−55009
Sakaue, T. *see* Tani, M. 4−62298
Sakawa, M. Interactive decisionmaking for multiobjective convex programming problems 4−46131
Sakharov, A.E. *see* Aksenov, Yu.P. 4−59069
Sakhnenko, A.V., Rukhailo, N.V., Borisova, R.I., Gaidamachenko, M.A. Properties of nickel-zinc ferrites produced by shock hot working 4−29542
Sakhuja, R. Modular cogeneration for commercial light industrial sector 4−34376
Saki, T. *see* Yuki, Y. 4−32806
Sakina, Y. *see* Sakai, T. 4−47032
Sakita, K. *see* Ochiai, A. 4−54637
Sako, B., Hirano, K. Design of recursive digital filters for the selection or rejection of a particular velocity in seismic signals 4−58456
Sakon, T. *see* Ikezaki, M. 4−54117
Sakovich, E.V. *see* Karasev, V.B. 4−40026
Sakowski, H. *see* von Bally, G. 4−47516
Saksena, S. *see* Craelius, W. 4−56134
Sakudo, N. *see* Tokiguchi, K. 4−40480
Sakuma, E. *see* Sasaki, K. 4−46832
Sakuma, E. *see* Yoshida, S. 4−58018
Sakuma, H., Hirata, K. Monolithic capacitor-coupled gate input high voltage SOS/CMOS driver array 4−58202
Sakuma, H. *see* Kuriyama, T. 4−36874
Sakuma, H. *see* Wakaumi, H. 4−36872
Sakuma, S. *see* Kuwahara, H. 4−57272
Sakuma, S. *see* Ueha, S. 4−56352
Sakuma, T. *see* Fukami, T. 4−50811
Sakumoto, H. *see* Suzuki, S. 4−30947, 4−30992
Sakumoto, Y. *see* Ohki, T. 4−61479
Sakuraba, I. *see* Koyanagi, K. 4−33528
Sakuraba, I. *see* Satoh, K. 4−42442, 4−47515
Sakuraba, N. *see* Inatsu, M. 4−61044
Sakurai, F. *see* Nishizawa, J. 4−37244
Sakurai, H. *see* Tatsuki, M. 4−58267
Sakurai, K., Koga, K., Muratani, T. A speech scrambler using the fast Fourier transform technique 4−54032
Sakurai, M., Murakami, J. Analysis of the tap weight fluctuation in Zero Forcing automatic equalizer 4−32958
Sakurai, M., Murakami, J. Reduction of quantization effects in adaptive filters 4−60091
Sakurai, T., Iizuka, T. Double word line and bit line structure for VLSI RAMs−reduction of word line and bit line delay 4−51251
Sakurai, T., Ohno, T. Structural analysis and experimental characteristics of high-voltage bipolar transistors with shallow junctions 4−42034
Sakurai, T. *see* Iizuka, T. 4−30797
Sakurai, T. *see* Isobe, M. 4−51307
Sakurai, T. *see* Kurosawa, T. 4−42695
Sakurai, T. *see* Ohno, T. 4−54553
Sakurai, T. *see* Tsutsumi, M. 4−59154
Sakurai, T. *see* Wada, O. 4−31178, 4−31384
Sakurai, Y. *see* Chihara, K. 4−49184
Sakurai, Y. *see* Yamaki, J. 4−57331
Sakusabe, T., Kiuchi, Y. Current density distribution in an M-M vidicon type camera tube 4−46772
Sakusabe, T., Kiuchi, Y. Improvement on resolution of vidicon type camera tube by the 2-loops CMF method 4−46773
Sakuta, M. *see* Imanaka, K. 4−42613, 4−52952
Sakuta, M. *see* Kamijoh, T. 4−51993
Sakuta, T. *see* Kito, Y. 4−57240
Sakuta, Y., Sekine, Y., Suyama, M. A study of frequency stability of oscillator using digital integrated circuits 4−29700
Sala, G., Calleja, M.J., Gonzalez, M., Eguren, J. Albedo collecting photovoltaic module 4−34924
Sala, G., Tapia, M.A., Gonzalez, M.C., Calleja, M.J. Measured values of the effective efficiency of albedo collecting flat bifacial panels 4−34925
Sala, G. *see* Chenlo, F. 4−34920
Sala, G.A. The local area network (LAN) as the point of contact between data processing and telecommunications 4−43789
Saladin, H. Measurement of zener voltage to thermal equilibrium with pulsed test current 4−52058
Salaev, E.Yu. *see* Dzhamalov, N.A. 4−30424
Salaev, E.Yu. *see* Stafeev, V.I. 4−30394
Salam, F.M.A., Marsden, J.E., Varaiya, P.P. Arnold diffusion in the dynamics of a 4-machine power system undergoing a large fault 4−49553
Salama, A.E. A unified decomposition approach for fault location in large analog circuits 4−50901
Salama, C.A.T. *see* McGregor, P. 4−47053
Salama, C.A.T. *see* Parpia, Z. 4−30000, 4−35944
Salama, C.A.T. *see* Pretorius, J.A. 4−58280
Salama, C.A.T. *see* Ratnam, P. 4−58926
Salama, M.M.A., Chikhani, A.Y. Control of reactive power in distribution systems with end load injection 4−45109
Salama, M.M.A., Chikhani, A.Y. Electrical stress calculation for high voltage equipments 4−45496
Salama, M.M.A., Chikhani, A.Y., Hackam, R. Fault current limitations by circuit reconfiguration in power systems 4−62244
Salama, M.M.A., Chikhani, A.Y., Hackam, R. New method of circuit reconfiguration to limit fault current in power systems: a load flow and microprocessor approach 4−62245
Salama, M.M.A., Hackam, R. Electromagnetic effects of high voltage high power equipment 4−57124
Salamatov, I.A. *see* Arzamastsev, D.A. 4−44968, 4−45054
Salame, E., Goyet, G., Lucidarme, J., Quichaud, G., Rioux, C. Study of a multidisc variable reluctance motor fed from a constant voltage 4−56975
Salameh, S., Chapman, A.G. Performance of a two-link CPSK system incorporating direct phase regenerator with imperfect phase references 4−31949
Salamon, D. The analysis of typical opencast coal mine earthing systems of REIK Kolubara 4−39918
Salamon, D. *see* Nahman, J. 4−39914, 4−45159
Salamon, M.H., Drach, J., Guo, S.-L., Price, P.B., Tarle, G., Ahlen, S.P. Effect of electron capture and loss on the response of polycarbonate track detectors to relativistic uranium ions 4−61713
Salamon, M.H. *see* Ahlen, S.P. 4−55955
Salamon, R., Gdulewicz, R., Nowicki, M. Electroacoustic transducer directional characteristics pulse meter 4−55394
Salansky, N. *see* Mar, H.A. 4−35473, 4−50762
Salant, E. *see* Comerchero, H. 4−49226
Salardenne, J. *see* Lucat, C. 4−55428
Salari, E., Siy, P. The ridge-seeking method for obtaining the skeleton of digital images 4−60185
Salas, L. *see* Firmani, C. 4−46778
Salashchenko, N.N. *see* Gaponov, S.V. 4−29480
Salathe, R.P. *see* Zysset, B. 4−58765
Salava, T. Digital audio compact disc 4−48672
Salchli, F.H. *see* Degrauwe, M.G.R. 4−51416
Saleh, A.M. *see* Chalmers, B.J. 4−62519

Saleh, B.E.A. Bilinear transformations in optical signal processing 4—43426
Saleh, B.E.A. *see* Matsuo, K. 4—46784
Saleh, M.B. *see* Tripathi, V.K. 4—41540
Saleh, R.A., Kleckner, J.E., Newton, A.R. Iterated timing analysis in SPLICE1 4—36775
Salem, A. *see* Juzi, H. 4—56791
Salem, E. *see* Dolan, R. 4—49695
Salemink, H.W.M., Schotanus, P., Bergwerff, J.B. Quantitative lidar at 532 nm for vertical extinction profiles and the effect of relative humidity 4—54891
Salerno, F.A. Troubleshooting the tough ones 4—61012
Salerno, J.J., Jr., Patrusky, B. An experimental unified switching node and its traffic simulator package 4—32593
Salerno, J.J., Jr., Rola, J.L., Jablokow, N., Nguyen, M. An on-line real-time monitor 4—32239
Salerno, M. *see* Cristina, S. 4—48716, 4—48716
Salerno, M. *see* Giannini, F. 4—29997
Salete, M. *see* de Lima, E.P. 4—33745
Salfi, R.E. *see* Pierson, W.J., Jr. 4—61927
Salib, M.J. *see* Dawson, D.E. 4—58531
Salib, M.L. *see* Dickens, L.E. 4—58540
Salikhova, F.S. *see* Mavashev, Yu.Z. 4—55369
Salim, A. *see* Khoshaim, B. 4—40166
Salimian, S. *see* Rea, E.C., Jr. 4—47429
Salimullah, M. Microwave second harmonic generation in a plasma filled waveguide in the presence of a static magnetic field 4—58489
Salinas, K. *see* Lurie, C. 4—40404
Salisbury, J.K., Jr. Interpretation of contact geometries from force measurements 4—49022
Salito, A. *see* Behn, R. 4—42563
Salivonov, Ya.M. Determination of the asymmetry and excess of a random process in the frequency domain: analysis and synthesis 4—46076
Saliyenko, P.F. *see* Savin, S.K. 4—32642
Salkeld, B. Transmission of broadcast vision and sound signals on digital circuits 4—38780
Sallada, C.D. *see* Cheung, N.K. 4—54795
Sallai, G., Dely, Z. Optimum THF diagrams for modular engineering of circuit groups 4—53955
Salles-Cunha, S.X. *see* Battocletti, J.H. 4—44728
Salman, S. *see* Baker, S.I. 4—33727
Salmelin, B. *see* Kortela, U. 4—40079
Salmer, G. *see* De Jaeger, J.C. 4—58521
Salmeron, R. *see* Anderson, L. 4—55989
Salmoin, M. *see* Bucci, G. 4—35321
Salmon, A. *see* Curtis, H. 4—62289
Salmon, E.R. Second generation silicones 4—41111
Salmon, L.G., D'Haenens, I.J. The effect of aluminum composition on silicon donor behaviour in $Al_xGa_{1-x}As$ 4—51820
Salmon-Cinotti, T. *see* Neri, G. 4—43759
Salmre, W. Three-dimensional microfabrication on thick film photoresist mandrels 4—58633
Salmu, J. Changes in control rooms brought about by the development of microcomputer techniques 4—39776
Salnic, Z.A. *see* Borimskii, V.V. 4—58719
Salomaa, M.M. *see* Ritala, R.K. 4—42299
Salomaa, R.R.E. *see* Dupertuis, M.A. 4—42517
Salomaa, R.R.E. *see* Dupertuis, M.-A. 4—42499
Salomon, B.J. The electric arc furnace system: continuing success and challenge in steelmaking technology 4—40642
Salomon, J. CCIR fixed satellite service handbook presentation and general consideration on domestic systems 4—54717
Salomon, M., Webster, D., Asano, D. Photon emission in self-quenching streamer chambers 4—33744
Salomon, P., Schmohl, H.-B. Electronic data storage and display device 4—43690
Salon, J. *see* Damelincourt, J.J. 4—62799
Salon, S.J., Mathewson, B., Uda, S. An integro-differential approach to eddy currents in thin plates 4—31590
Salon, S.J. *see* Peng, J.P. 4—31581
Salonen, J. *see* Auerkari, P. 4—45311
Salour, M.M. *see* Putnam, R.S. 4—59475
Salsac, P. *see* Joullie, A. 4—30514
Salsberg, A.P. From one computer to another [electronic mail] 4—48037
Salt, A.N. *see* Blunn, R.W. 4—33842
Salter, G.C. *see* Parpia, Z. 4—30000, 4—35944
Saltiel, S.M. *see* Kruglii, V.P. 4—42746
Salton, F.G. *see* Schwee, L.J. 4—31017
Salu, Y., Mehrotra, P. A computerized system for localizing sources of cardiac activation 4—49194
Salvade, G. *see* Ceppi, P. 4—34514
Salvador, P. Hole diffusion length in *n*-TiO_2 single crystals and sintered electrodes: photoelectrochemical determination and comparative analysis 4—36362
Salvador, P., Gutierrez, C. Mechanisms of charge transfer at the semiconductor-electrolyte interface. I. Kinetics of electroreduction at dark of $Fe(CN)_6^{3-}$ and $IrCl_6^{2-}$ in aqueous solution on a sintered Nb-doped n-$SrTiO_3$ electrode. Influence of pH 4—30472
Salvador, P. *see* Campet, G. 4—37204
Salvador, W. *see* Labart, A. 4—34806
Salvant, M.A. Maintenance and test scheduling by computer 4—45023
Salvati, M.J. Floating driver and MOSFET create universal current source and sink 4—50940
Salvendy, G. *see* LeBold, W.K. 4—35178
Salvetti, G. *see* Giuliani, G. 4—59443
Salvetti, G. *see* Vietri, G. 4—37279
Salvi, G. *see* Astbury, A. 4—33756
Salvi, M. *see* Favennec, P.N. 4—30513
Salvi, M. *see* Gouskov, L. 4—36319
Salviati, G. *see* Gombia, E. 4—30384
Salvioli, L. *see* Bagatta, U. 4—30988
Salvo, H. *see* Haynes, J.T. 4—36985
Salwen, H. *see* Salwen, N. 4—54426
Salwen, N., Salwen, H. The design of a high speed token ring network interface 4—54426
Saly, V. *see* Ruzinsky, M. 4—45623
Salzborn, E. *see* Ebel, F. 4—44679
Salzman, J. *see* Arieli, R. 4—37155
Salzman, J. *see* Kapon, E. 4—59208
Salzman, J. *see* Katzir, A. 4—59231
Salzmann, H., Vogel, T., Dodel, G. Subnanosecond optical switching of far infrared radiation 4—37430
Sam, R.G., Patel, B.R. An experimental investigation of OC-OTEC direct contact condensation and evaporation processes 4—62466
Samanta, S.B. *see* Agarwal, S.K. 4—37051
Samarakou, M.T., Avaritsiotis, J., Grigoriadou-Kouki, M., Lioliouss is, K.T., Caroubalos, C. Theoretical study of an autonomous system combining a photovoltaic generator and wind machine under real local data 4—34929
Samaras, I., Papadimitriou, L., Stoemenos, J., Economou, N.A. Misfit dislocation behaviour in epitaxially grown $PbTe_xSe_{1-x}/PbTe$ heterojunctions 4—46231
Samarkin, A.A. *see* Musikhin, R.N. 4—62329
Sambor, K. Future of data networks 4—38147
Sambrook, M. *see* Hill, C.R. 4—61785
Sambur, I.G. *see* Boyakhchyan, G.P. 4—46611
Samir, S.F. *see* El-Deek, M.E. 4—40598
Samm, R. *see* Deschamps, L. 4—62130
Sammells, A.F., Ang, P.G.P. Photoelectrochemical investigation of a poly(ethylene oxide) cell 4—45587
Samms, R.W. *see* Fales, C.L. 4—33149
Samofalov, L.D. Algorithm for analysing the possibility of blocking one class of RC-filters with operational amplifiers 4—41476
Samoilenko, O.N. *see* Averbukh, A.M. 4—33188
Samoilenko, V.T. *see* Akimov, D.Yu. 4—46781
Samoilov, A.M. *see* Ugai, Ya.A. 4—30375
Samoilov, L.K., Rogozov, Yu.I. Methods for designing injection-synchronized flip-flop structures 4—51161
Samoilov, V.V. *see* Avramenko, A.E. 4—48787
Samokhvalov, A.A. *see* Gal'dikas, A. 4—36299
Samorukov, B.E. *see* Dmitriev, A.G. 4—30418
Samorukov, B.E. *see* Zakharenkov, L.F. 4—58855
Samoshenkov, Yu.K. *see* Panasyuk, V.S. 4—39375
Samoto, N. *see* Gamo, K. 4—46239
Samotsvetov, S.G., Mamyrov, U.I., Chalov, P.I. Dynamic range extension in differential ion counting in mass spectrometry 4—33755
Samouilidis, J.-E., Berahas, S.A. GREPOM: an energy policy model 4—45206
Samouilidis, J.-E., Psarras, J., dv Papaconstantinou Electricity planning vs. energy planning: a modelling approach 4—56514
Sampaio-Neto, R., Scholtz, R.A. Pseudonoise tracking in the presence of spectrally-known interference 4—37951
Sampson, G.P. *see* Diodato, P.W. 4—35873
Sams, R. *see* Fried, A. 4—61919
Samson, J.A.R. Detectors and absolute intensity measurements in the vacuum ultraviolet 4—47341
Samson, J.A.R. Photocathodes: their efficiency and stability 4—55836
Samson, P.J. Computation of fundamental-model spot size from far-field pattern of single-mode optical fibres 4—59828
Samsonov, V.I. *see* Lapin, I.L. 4—45801
Samuel, D.J. Central-site modem arrays can satisfy growing demand from remote sites 4—32521
Samuel, J.E. *see* Kaune, W.T. 4—56207
Samuleev, V.I. *see* Gumanovskii, B.Ya. 4—56916
Samuylov, K.Ye. *see* Basharin, G.P. 4—60329
San-qi Li, Majithia, J.C. Performance analysis of a DTDMA local area network for voice and data 4—43758
Sanad, M.S.A., Shafai, L. Feed support blockage in symmetric paraboloid reflectors 4—59860
Sanada, H. *see* Inoue, T. 4—47710
Sanada, K., Yamauchi, R., Fukuda, O., Inada, K. Behavior of GeO_2 in dehydration and consolidation processes of the VAD method [optical fibre fabrication] 4—52616
Sanada, T. *see* Wada, O. 4—31178
Sanba, T. On a photoelectric tachometer test set 4—61183
Sances, A., Jr. *see* Battocletti, J.H. 4—44728
Sanchez, A. A high sensitivity distortion meter 4—33369
Sanchez, A., Drake, J.M., Jorda, J., Campillo, B., Poveda, J., Lope, J. A microprocessor system for analysis of 24 hours ambulatory ECG tape recordings 4—49247
Sanchez, A. *see* Drake, J.M. 4—49255
Sanchez, E. Influence of the double metallization grid on the performance of concentrator bifacial solar cells 4—34917
Sanchez, E. Voltage stabilisers without Zener diodes 4—35631
Sanchez, E. Solution of fuzzy equations with extended operations 4—40944
Sanchez, E., Araujo, G.L. Mathematical analyses of the efficiency-concentration characteristic of a solar cell 4—57359
Sanchez, E. *see* Araujo, G.L. 4—34907, 4—34914
Sanchez, F. *see* Munoz Torralbo, A. 4—62462
Sanchez, J. *see* Jang, S.-J. 4—52564
Sanchez, J.Verdu *see* Verdu Sanchez, J.
Sanchez, M.C. *see* Villalba, C.R. 4—46604
Sanchez, V. *see* Basu, M. 4—55958
Sanchez Colina, M. *see* Diaz Arencibia, P. 4—37241
Sanchez Dominguez, J., Roldan, I., Barciela, R., Largo, F., Urbina, F.J., Villa, J.G., Navarro, A., Menendez Lozano, A. ST automatic reading limitations with the CM_5 leads in exercise testing 4—49238
Sanchez-Dehesa, J., Flores, F., Guinea, F. Schottky barrier formation. II. Etched metal-semiconductor junctions 4—36330
Sanchez-Dehesa, J. *see* Flores, F. 4—41894
Sanchez-Gomez, G. *see* Huertas, J.L. 4—41306
Sanchez-Sinencio, E., Espinosa-Flores, G., Fuenlabrada, A.P. Automatic design and simulation of state-variable biquadratic active RC filters 4—30001
Sanchez-Sinencio, E. *see* Garcia-Vazquez, J.L.A. 4—46569
Sanchez-Sinencio, E. *see* Silva-Martinez, J. 4—41531
Sancho, M. *see* Kindelan, M. 4—49270
Sand, K., Hofstad, P. Alternative design of power distribution in new housing developments 4—56582
Sand, L.L. *see* Erickson, J.M. 4—60595
Sandahl, C.R. *see* Cheung, N.K. 4—54795
Sandalov, A.N., Terebilov, A.V. Special features of bunching and energy exchange in a relativistic multiresonator klystron 4—46768
Sandanadurai, R., Nackeeran, N. An application of graph theory in plotting finite element mesh 4—50673
Sandau, R. Multiplying D/A converters in signal processing 4—41414
Sandberg, K. Top-down CPU design approach in SPC data processing 4—48336
Sandberg, R.O. *see* Brooksbank, R.E. 4—40011
Sandberg, U., Faxer, M. Personal computers for real-time control of power system distribution networks 4—56593
Sandberg, V. *see* Bolton, R. 4—55816
Sandell, A. *see* Lindgren, L.J. 4—33661
Sandell, D.H., Richman, P.G. Power supply for Chicago Deep Tunnel Project 4—49572
Sandell, R.S., Taplin, D.W. The prediction of field strength in the frequency range 30-1000 MHz 4—31672
Sandeman, T.D. User experience with WangNet 4—48271
Sander, M. *see* Franco, F. 4—44811
Sanders, A., Infante, B., Bales, M., Lock, E. Microcode emulation using VSIM, a multilevel hierarchical simulator 4—36761
Sanders, D.B. *see* Nandedkar, S.D. 4—33846, 4—44748
Sanders, D.W. Computer designs machine-cut sag templates 4—56645
Sanders, F.H.M., Kolfschoten, A.W., Dieleman, J., Haring, R.A., Haring, A., De Vries, A.E. Ion-assisted etching of silicon by molecular chlorine 4—46943
Sanders, F.H.M. *see* Dieleman, J. 4—42120
Sanders, G. *see* Bolton, R. 4—55816
Sanders, I.L., Kabelac, W.J. Design considerations and performance of a detector for contiguous-disk bubble devices 4—39153
Sanders, I.R. *see* Blunt, R.T. 4—36455
Sanders, J. Homelink 4—38260
Sanders, J.M., Spyrou, N.M. Improvement of image quality in emission and transmission tomography by reduction of scattered photons 4—39527
Sanders, J.R. Higher definition broadcast television 4—60981
Sanders, N.A. Heat sink with heat dissipating vanes oriented orthogonally to air flow direction 4—50546
Sanders, R. Introduction to the electric utilities subsystem [Intermediate Future Forecasting System] 4—40772
Sanders, S. Eliminate traditional incoming inspection 4—57854
Sanders, W. *see* Frewin, L.F. 4—55221
Sanders, W.P. Select your supplier for steam-turbine blades judiciously 4—56837
Sanderson, H.C. *see* Callan, P.C. 4—61210
Sanderson, N.E., Cunningham, R.A., Mo, J.N., Chapman, R., Durell, J.L. On-line optimisation of the resolution of a magnetic spectrometer 4—33760
Sanderson, T.R. *see* Marsden, R.G. 4—39437
Sandesara, S. Virtual memory with the Z8003 4—41358

Sandford, H.F. *see* Alvarez, F.P. 4—36676
Sandham, K. Subscription television—economics and costs 4—48548
Sandholm, M. *see* Staudenmann, J.-L. 4—56057
Sandhu, S.S., Gooding, J.N. A CCD multiplexer for a pyroelectric thermal imaging array 4—55262
Sandie, W.G. *see* Liptak, M. 4—30281
Sandifer, J.R., Suchanski, M.R. Electrochemical characteristics of the lithium/carbon monofluoride battery and its component half-cells 4—57309
Sandin, P., Monti, M., Briand, M., Gonot, J.-P. Daily management of a nuclear and conventional thermal power system. Unit commitment with simultaneous determination of the adequate spinning reserve 4—56394
Sandland, P. *see* Harris, K. 4—36685
Sandland, P. *see* Harris, K.L. 4—29287
Sandle, W.J. *see* Tai, K. 4—42708
Sandler, E.A. *see* Evtikhiev, N.N. 4—43025
Sandler, M. Educating for independence 4—45893
Sandler, M.S. *see* Gurevich, G.L. 4—42215, 4—46552
Sandler, M.S. *see* Rodionov, L.V. 4—41244
Sandoe, J.N. *see* Slatter, J.A.G. 4—46967
Sandomirskii, S.G. *see* Mel'gui, M.A. 4—35533, 4—41130
Sandomirskii, V.B. *see* Sukhanov, A.A. 4—42069
Sandorfi, A.M., Collins, M.T. The new BNL high-energy gamma-ray spectrometers 4—55985
Sandory, M. State of investment program in microelectronics 4—47081
Sandoval, A. *see* Reinhart, G.R. 4—42098
Sandoval, F. *see* Izpura, J.I. 4—33426
Sandovskii, V.A., Dyakin, V.V., Dudarev, M.S. Examination of the distribution of the electromagnetic field and calculation of the force acting on moving magnetizing circuits of a flaw detector in the inspection of transmission pipelines 4—41134
Sandovskii, V.A., Guletskii, P.G. Problem of certification of specimens of specific electrical conductivity 4—55634
Sandovskii, V.A., Nosal'skaya, N.I. Possibility of sorting bar steel by types using a two-parameter variation of the eddy-current method 4—35535
Sandrin, W.A. Land-mobile satellite start-up systems 4—54655
Sands, M.J *see* Kelly, P.T.F. 4—60318
Sands, T., Gronsky, R., Washburn, J. Characterization of single crystal Cu_2S/CdS heterojunctions by high resolution electron microscopy 4—51815
Sands, T., Sadana, D.K., Gronsky, R., Washburn, J. High resolution structural characterization of the amorphous-crystalline interface in Se^+-implanted GaAs 4—36426
Sandstrom, R., Lee, S.H. Production of optical coordinate transform filters by a computer controlled scanning interferometric pattern system 4—59296
Sandukovskii, V.G. *see* Gornov, M.G. 4—49081, 4—61701
Sandulyak, A.V. Use of an absorption shield model in the study of magnetic filtration conditions 4—34394
Sandulyak, A.V., Krivtsov, V.V. Heat and hydrodynamic conditions of magnetic treatment of water against scale formation 4—40065
Sandusky, C.F. DC motor control and reversing circuit on single PC card 4—40363
Sandweg, G. VLSI design for everyman 4—42087
Sandweg, G., Schallenberger, B. Computergraphics in VLSI chip design 4—42123
Sanematsu, T. *see* Yamaguchi, K. 4—56968
Sanfacon, M.M. *see* Spitzer, M.B. 4—34934
Sanford, G. *see* Ozkaynak, H. 4—34256
Sanford, P.W. *see* Mason, I.M. 4—33783
Sang Chul Lee *see* Jung Uck Seo 4—53313
Sang Dae Yu, Young Se Kwon TV IF SAW filters 4—47167
Sang Fengting *see* Huang Ruiping 4—59406
Sang Ho Lee, Min Ho Kang, Han Kyu Park Characteristics of optical fiber SGS mode scrambler 4—47262
Sang Hun Chai, Jae Chang Kim, Yang Sung Lee Efficiency improvement of n^+p junction solar cell by forming a V-groove on the silicon surface 4—50058
Sang Koo Chung, Han Jo Lim Mode conversion in magneto-optic thin-film waveguides 4—47650
Sang-Uk Lee Design of variable cutoff frequency two dimensional FIR filters 4—41490
Sang-Yung Shin *see* Jae-Won Song 4—37173
Sang-Yung Shin *see* Young-Chul Chung 4—47396
Sanger, G., Franz, A.K. Leak detection on spacecraft 4—49344
Sanger, J.O. *see* Shah, K.R. 4—49522
Sanghvi, A.P. Least cost energy strategies for power system expansion 4—34113
Sangiorgi, E., Swirhun, S. Trenched Schottky barrier PMOS for latchup resistance 4—59032
Sangiorgi, E. *see* Shenai, K. 4—41890
Sangiovanni-Vincentelli, A. *see* Brayton, R.K. 4—51187
Sangiovanni-Vincentelli, A. *see* De Micheli, G. 4—35771
Sangiovanni-Vincentelli, A. *see* Sechen, C. 4—59002
Sangiovanni-Vincentelli, A. *see* Visvanathan, V. 4—50892
Sangiovanni-Vincentelli, A.L. *see* White, J. 4—58226
Sangl, D., Silberto, J. The Grumman advanced telemetry preprocessor 4—48780
Sangster, A. The telephone rings, but who's to answer? 4—48340
Sanguini, R. *see* Lotano, F. 4—44264
Saniie, J. *see* Bilgutay, N.M. 4—46275
Sanile, J. *see* Bilgutay, N.M. 4—50866
Saniter, J. *see* Kreutzer, H.W. 4—32831
Sanjana, Z.N., Valentich, J., Marchetti, J.R. Thermal expansion of circuit board materials for leadless chip carriers 4—46678
Sankar, R. *see* Morgera, S.D. 4—39715
Sankaran, P., Jagadeesh Kumar, V., Murti, V.G.K. Active circuits for flux waveform compensation in ferromagnetic cores 4—59150
Sankaranarayanan, A. *see* Ramshaw, R.S. 4—34957
Sankawa, I., Kashima, N., Satake, T. Testing method for optical-fiber-connector surfaces 4—42396
Sankawa, I. *see* Katagiri, T. 4—52560
Sankawa, I. *see* Kobayashi, H. 4—44106
Sankawa, I. *see* Nagasawa, S. 4—47284
Sankawa, I. *see* Satake, T. 4—42398
Sankin, V.I. *see* Verenchikova, R.G. 4—30427
Sankowski, D. Identification methods of electrical batch type resistance furnaces: dynamic properties 4—57560
Sankur, B. *see* Aktar, M. 4—53730
Sankur, H., Motamedi, M.E. Properties of ZnO films deposited by laser assisted evaporation 4—59108
Sanli, N., Lo, S.C., Kota, S.L., Aronson, M.H. NATO III satellite communications system control 4—44028
Sannabhadti, R.S. *see* Ramakrishnan, S. 4—55724
Sannikov, D.I., Yakovenko, N.I., Shapkin, V.D. Recalculation of permissible heat operating conditions for induction motors 4—40253
Sannino, M. *see* Benso, S. 4—33641
Sannino, M. *see* Calandra, E.F. 4—36593
Sannomiya, H. *see* Saito, N. 4—50821, 4—52771
Sannomiya, T. *see* Chubachi, N. 4—56348
Sano, A. *see* Hashimoto, K. 4—53705
Sano, H. *see* Minagawa, S. 4—58023
Sano, H. *see* Tanada, Y. 4—38656
Sano, K., Fujii, Y., Minowa, J. Optical multiplexer/demultiplexer for subscriber loop system 4—44103
Sano, K. *see* Tsuyuki, S. 4—54777
Sano, R.M. *see* Einstein, S.G. 4—61846
Sano, Y., Nakamura, H., Akiyama, M., Egawa, T., Ishida, T., Kaminishi, K. Improved threshold voltage uniformity in GaAs MESFET using high purity MOCVD-grown buffer layer as a substrate for ion implantation 4—47024
Sano, Y. *see* Nakamura, H. 4—30652
Sanpei, A. *see* Yabumoto, T. 4—59921
Sanroma, M., Estalella, R. Hybrid mapping using the maximum entropy method 4—38755
Sans, M. Serial transmission with the processor RS-232C 4—32494
Sansen, W., Celen, J., Colin, F., Garcia, O. Implantable glucose measurement system 4—49185
Sansen, W., Wouters, J., Busschaert, H., Slabbaert, J.P. Monochip eight-channel sensor interface with A/D conversion 4—33213
Sansen, W.M.C. *see* DeGrauwe, M.G. 4—51014
Sansen, W.M.C. *see* Degrauwe, M.G.R. 4—50996
Sansen, W.M.C. *see* Van Peteghem, P. 4—43394
Sansonetti, C.J., Weber, K.-H. Reference lines for dye-laser wave-number calibration in the optogalvanic spectra of uranium and thorium 4—47501
Santa, I., Kozma, L., Racz, B., Gorbal, M.R. High-stability thyratron-switched TEA nitrogen laser 4—31313
Santagostino, G. *see* Aldrovandi, G. 4—45552
Santagostino, G. *see* Colombo, E. 4—62129
Santamaria, M. *see* Barbero, V. 4—34576
Santamaria, R. *see* Setton, J.J. 4—44763
Santambrogio, G.C. *see* Di Rienzo, M. 4—49134
Santarpia, D., Bagwell, J. NASA's multibeam communications technology program 4—38523
Santeler, D. Leak detection—common problems and their solutions 4—50491
Santhanam, S., Chaudhuri, A.K. Transport properties of SnTe epitaxial films: two-circuit model 4—30385
Santhanam, S., Chaudhuri, A.K. Electrical conduction in SnTe thin films 4—41858
Santhanam, S.J., Vijendran, P. Role of material evaluation in space technology 4—29567
Santi, G. *see* Brown, R. 4—56240
Santiago, R. *see* Chamorro, J.L. 4—49191
Santillo, G.R. *see* Burgess, A.C. 4—30230
Santini, H.A.E. *see* Levensen, M.D. 4—46906
Santini, R.E. *see* Bebel, J.C. 4—37440
Santo, S.L. An eye on the CBS database, a case study of information access methods 4—48112
Santomauro, M. *see* De Micheli, G. 4—35773
Santos, A. *see* Olabe, J.C. 4—53504
Santos, A.F.dos *see* dos Santos, A.F.
Santos, J.T., Meyer, R.G. A one-pin crystal oscillator for VLSI circuits 4—42203
Santoyo, A.Serrano *see* Serrano Santoyo, A.
Sanvito, E. *see* Madama, G. 4—41616
Sanwalka, A. *see* Zaky, S.G. 4—32415
Sanyal, M.K. A multiprocessor based data acquisition and processing system for photon counting experiments 4—33192
Sanyal, N.N. Superconducting power cables 4—56635
Sanyal, S., Bhattacharyya, A.K. Electromagnetic scattering by a curved plate—solution by uniform asymptotic theory of diffraction 4—31624
Sanyal, S., Bhattacharyya, A.K. Correction to 'UAT analysis of E-plane near far-field patterns of electromagnetic horn antennas' 4—53300
Sanz, A., Munoz, C., Garcia, N. Approximation quality improvement techniques in progressive image transmission 4—53894
Sanz, A. *see* Garci, N. 4—60264
Sanz, J.L.C., Huang, T.S. A unified approach to noniterative linear signal restoration 4—47832
Sanz, J.L.C., Huang, T.S. Band-limited signal extrapolation in the presence of noise 4—60097
Sanz, J.L.C. *see* Munson, D.C., Jr. 4—53637, 4—53917
Sanz, L. A stroboscopic lamp for timing internal combustion engines 4—36000
Sanz-Serna, J.M. *see* Palencia, C. 4—57989
Saotome, H. *see* Saito, Y. 4—30138
Saparin, G.V., Obyden, S.K., Chukhichev, M.V., Popov, S.I. A new media and concept of direct writing patterns by electron beam 4—42466
Sapelkina, Yu.F. *see* Yaglo, G.I. 4—47172
Sapel'nikov, V.M., Muftakhov, A.M., Ishinbaev, N.A. Precision phase calibrator 4—33425
Sapojnikoff, V.K. Satellite autonomy for mission survivability 4—39644
Sapor, M. Selected methods of two-wire digital transmission in subscriber's loops 4—32513
Saporita, V. Fault currents and associated overcurrent protective device considerations 4—49634
Sapper, J. *see* Brossmann, U. 4—47230
Sapriel, J. Characterization of semiconductor materials by inelastic scattering of light 4—41801
Sapriel, J. Characterization of semiconductor materials by inelastic scattering of light. II 4—51732
Sapronov, W. Gateways link long-haul and local networks 4—54327
Saprykin, E.G. *see* Badalyan, A.M. 4—37287
Saprykin, I.I. *see* Litvinenko, L.N. 4—41543
Sara, E., Nieminen, R., Palosaari, M. Choice of private automatic branch exchange (PABX) and the structure of telecommunication network in an organization 4—48358
Sara, M. High power amplifiers for satellite ground stations 4—41577
Sarab, A.D. *see* Fedorko, C.R., Jr. 4—50543
Sarab, A.D. *see* Martin, H.J. 4—36476
Saraf, L.H. *see* Anantha, N.G. 4—30529
Saraf, L.H. *see* Collini, G.J. 4—58846
Saraga, P., Newcomb, C.V., Lloyd, P.R., Humphreys, D.R., Burnett, D.J. Unpacking and mounting TV deflection units using visually controlled robots 4—60994
Saraikin, S.V. *see* Margolin, A.D. 4—37305
Saraiva, E.de.S., Abreu, A.L.M., Silva, F.P. Simulation of kinetic-electronic systems on microcomputers 4—34981
Saramaki, T. *see* Heinonen, P. 4—51432
Saran, G.S., Tadaki, R.T., Zentner, J.C., Smith, R.J. Incident electromagnetic field strength attenuation of a missile nose cone 4—37523
Sarantsev, V.P. *see* Bessonova, S.V. 4—42388
Sarapulov, F.N. *see* Konyaev, A.Yu. 4—57000
Saraswat, K.C. *see* Moslehi, M.M. 4—30803
Saraswat, K.C. *see* Shenai, K. 4—41890
Saraswat, K.C. *see* Singh, H.J. 4—36617
Saraswat, K.C. *see* Swirhun, S. 4—46978
Saraswat, R.C., Saha, S.K. On the design of switched-capacitor filters using cascade sections 4—51418
Saravari, C., Imai, S. An automatic procedure for extracting demisyllables from isolated monosyllabic source words for use in speech synthesis-by-rule of Thai 4—47804
Sardi, L., Bargioni, S., Canali, C., Davoli, P., Prudenziati, M., Valbusa, V. Some features of thick film technology for the back metallization of solar cells 4—34894
Sardushkin, V.Yu., Safin, Sh.R., Sinyavskii, V.I. Simultaneous recording of two Mossbauer spectra by means of an NTA-512B or AI-1024-4 multichannel analyzer 4—39485
Sardyko, S.V., Tsoukkerman, I.I. The problem of bit rate reduction in television 4—54972
Sareyev, S.M. Frequency transposition circuit design, conditional on preselector attenuation of spurious channels of given type 4—35575
Sarfert, T. *see* Geuen, W. 4—38080
Sargent, M., III *see* Ovadia, S. 4—37262
Sargent, R. Spectrum real-time clock. I 4—29958
Sargent, R. *see* Harvey, R. 4—33152
Sargent, R.G. *see* Shanthikumar, J.G. 4—57902

Sargent, T.D. DCA Pacific Area: tying the Pacific Defense structure together [military communication systems] 4—32198
Sari, J.W. *see* Ko, H.W. 4—32867
Sarid, D., Jameson, R.S., Hickernell, R.K. Optical bistability on reflection with an InSb etalon controlled by a guided wave 4—37452
Saridis, G.N. *see* Lee, S. 4—44779
Sarikaya, B., von Bochmann, G. Synchronization and specification issues in protocol testing 4—47927
Sarin, R. *see* Rakshit, S. 4—55479
Sarin, S.K. *see* Bharti, P.L. 4—58634
Sarina, J.C. *see* Wang, P.K.C. 4—43001
Sario, M.De *see* De Sario, M.
Sarje, A.K., Biswas, N.N. Heuristics for realization of linearly separable switching functions 4—40977
Sarka, I., Goli, K., Oravets, Ya., Florek, M. The beta-gamma coincidence spectrometer for low radioactivity measurements 4—44699
Sarkar, G., Mukhopadhyay, A.K. Simulation of a DC chopper circuit 4—46331
Sarkar, S. *see* Bobde, D.P. 4—32360
Sarkar, S.K. *see* Dutta, H.N. 4—31644
Sarkar, T.K., Dianat, S.A., Hollmann, B.Z. L_2-approximation of impulse response from time limited input and output: Theory and experiment 4—38006
Sarkar, T.K., Dianat, S.A., Weiner, D.D. A discussion of various approaches to the linear system identification problem 4—53624
Sarkar, T.K., Rao, S.M. The application of the conjugate gradient method for the solution of electromagnetic scattering from arbitrarily oriented wire antennas 4—47680
Sarkar, T.K. *see* Dianat, S.A. 4—37975
Sarkar, T.K. *see* Wei, C. 4—42903
Sarkar, T.K.Nag *see* Nag Sarkar, T.K.
Sarkava, J. Peat as a district heating fuel in Finland 4—49658
Sarkisova, A.G., Sosnina, N.S. Programmed electrical measuring instruments—a review 4—33129
Sarkisova, A.G., Sosnina, N.S., Alkhutov, N.A. Electrical measurement facilities 4—61175
Sarkisyan, R.E. *see* Akhsakhalyan, G.A. 4—33965
Sarkozy, Z., Morris, L., Omura, J., Au, D. A 30/20 GHz low data rate, TDMA ground terminal design 4—32775
Sarma, M.S., Stahl, P., Ward, A. Magnetic-field analysis of ferrofluidic seals for optimum design 4—31051
Sarma, N.V.G. *see* Anora, R.S. 4—58194
Sarma, P.S. A microcomputer based system for area measurement 4—44617
Sarma, S.Das *see* Das Sarma, S.
Sarma, V.V.S. *see* Devi, B.B. 4—38032
Sarma, Y.V.S., Parvez, M. A complex three-unit system 4—57879
Sarmiento, A., Baez-Lopez, D. Active compensation of inverting integrator using NIC 4—41486
Sarmiento, H.G., Fortin, J., Mukhedkar, D. Substation ground impedance: comparative field measurements with high and low current injection methods 4—56701
Sarmiento, H.G., Fortin, J., Mukhedkar, D. Experience-based measurement of grounding parameters in electrical installations 4—56709
Sarmiento, H.G. *see* Fortin, J. 4—34242
Sarrabayrouse, G. *see* Capilla, J. 4—30444
Sarrand, P. Survey method for a rural LV system 4—34185
Sartain, R.B., Edwards, T.C., Williams, K.F., Halford, C.E. Electro-optics: initial planning 4—57804
Sartain, R.B. *see* Lee, M.K. 4—59274
Sarunac, N. *see* Stecco, S.S. 4—34452
Sarunac, R. Transformer winding cooling by the flow rate induced by flow controlling bodies 4—62589
Saruwatari, M., Suzuki, N., Sugie, T. Active and passive optical devices for use in single-mode fiber transmission systems 4—38628
Saruwatari, M. *see* Tachikawa, Y. 4—44102
Sarv, V. Interdependence between the voltage-current relation and the energy balance for the linear time-varying inductive and capacitive one-ports 4—50928
Sarvis, J.J. Chip capacitors relating to surface mounting technology 4—50548
Sarwal, S.N. *see* Watts, K.C. 4—34482
Sarwate, D.V., Pursley, M.B., Basar, T.U. Partial correlation effects in direct-sequence spread-spectrum multiple-access communication systems 4—53333
Sarwate, D.V. *see* Enge, P.K. 4—43947
Sarwate, D.V. *see* Krone, S.M. 4—47749
Sarychev, M.E. *see* Makhviladze, T.M. 4—37458, 4—37459
Sarzynska, M. *see* Siejca, A. 4—47427
Sasagawa, H. *see* Sakai, T. 4—34069
Sasagawa, K. *see* Kubota, H. 4—45687
Sasago, M. *see* Tsuji, K. 4—30721
Sasahara, R. *see* Koike, Y. 4—32202
Sasai, Y. *see* Shibata, J. 4—52948
Sasakawa, M. *see* Komiya, R. 4—38354
Sasaki, A., Taneya, M., Yano, H., Fujita, S. Optoelectronic integrated device with light amplification and optical bistability 4—47294
Sasaki, A., Ushimaru, S., Hayashi, T. Simultaneous output- and frequency-stabilization and single-frequency operation of an internal-mirror He-Ne laser by controlling the discharge current 4—42520
Sasaki, A. *see* Fujita, S. 4—29520, 4—46237, 4—50754
Sasaki, A. *see* Kobayashi, K. 4—60713
Sasaki, A. *see* Mitsuyu, T. 4—47347
Sasaki, A. *see* Sasaki, G. 4—36349
Sasaki, A. *see* Takeda, Y. 4—35490, 4—52811
Sasaki, G., Fujita, S., Sasaki, A. Frequency dependence of flat-band capacitance of metal/insulator/glow-discharge deposited hydrogenated amorphous silicon diodes 4—36349
Sasaki, H. *see* Kawakubo, T. 4—61666
Sasaki, K., Sakuma, E., Misawa, S., Yoshida, S., Gonda, S. High-temperature electrical properties of 3C-SiC epitaxial layers grown by chemical vapor deposition 4—46832
Sasaki, K., Umezawa, T. Dielectric properties and Auger electron spectroscopy on anodized thin-film capacitors of Ta-Al-N 4—46639
Sasaki, K. *see* Nakamura, K. 4—51747, 4—52037
Sasaki, M. Study on the A-weighted sound pressure level distribution of reproduced sound by recording disk 4—48667
Sasaki, N. An SOS memory cell utilizing charge pumping characteristics 4—46476
Sasaki, N., Anzai, A., Uehara, K. Bipolar process technology evaluation by 3-dimensional device simulation 4—36813
Sasaki, N. *see* Endo, Y. 4—34193
Sasaki, N. *see* Kawamura, S. 4—29507, 4—36869, 4—52299
Sasaki, N. *see* Mukai, R. 4—36868, 4—41813
Sasaki, R. *see* Takagari, K. 4—50594
Sasaki, S., Serizawa, K., Ishi, I., Shimizu, I. The development of mini plastic IC packaging for dip soldering 4—57844
Sasaki, S. *see* Fukuda, E. 4—31849
Sasaki, S. *see* Miyajima, M. 4—58706
Sasaki, S. *see* Yoshikawa, R. 4—30719, 4—52230
Sasaki, S. *see* Yuge, T. 4—60716
Sasaki, T., Hataoka, H. An analysis of intermodulation due to slew induced distortion in operational amplifiers 4—46364
Sasaki, T. *see* Minato, O. 4—51239
Sasaki, T. *see* Saito, A. 4—52467
Sasaki, Y., Hosaka, T., Noda, J. Fabrication of polarization-maintaining optical fibers with stress-induced birefringence 4—52597
Sasaki, Y., Shibata, N., Hosaka, T. Fabrication of polarization-maintaining and absorption-reducing optical fibers 4—37135
Sasaki, Y. *see* Oshitani, M. 4—40383
Sasaki, Y. *see* Shibata, N. 4—37134
Sasano, A. *see* Seki, K. 4—30561
Sasano, A. *see* Yamamoto, H. 4—44450
Sasano, K. Two-channel frequency divider using single-chip microcomputer 4—51481
Sasano, K. *see* Inoue, M. 4—39276
Sasaoka, M. Trends of voice storage systems and their applications 4—48004
Sasaoka, M. *see* Koike, H. 4—38410
Sasaoka, M. *see* Morisawa, T. 4—54530
Sasaoka, M. *see* Tsuchida, H. 4—53478
Sasaoka, M. *see* Yamada, T. 4—54527
Sasaoka, S. *see* Miyabe, H. 4—54040
Sasaoka, S. *see* Sakamoto, T. 4—54459
Sasase, I., Harada, Y., Mori, S. Bandwidth efficient quadrature overlapped modulation 4—53371
Sasase, I., Shinriki, M., Mori, S. Signal-to-noise ratio of arbitrary power-series nonlinear envelope detector 4—43371
Sasase, I. *see* Ariswa, S. 4—31707
Sasase, T. *see* Fujisada, H. 4—30402
Sase, R. *see* Murao, Y. 4—36876
Sasek, L. Actual problems of maintenance of stator windings of electrical rotating machines 4—50440
Sashchuk, A.P. *see* Malyutenko, V.K. 4—59318
Sashchuk, A.P. *see* Pozhela, Yu.K. 4—58725
Sashida, Y. *see* Hasegawa, T. 4—32821
Sashin, D., Sternglass, E.J., Bron, K.M., Slasky, B.S., Herron, J.M., Kennedy, W.H., Boyer, J.W., Girdany, B.R., Simpson, R.W., Horton, J.A., Hoy, R.J., Feist, J.H., Uretsky, B.F. Coronary artery imaging with a computerized linear diode array radiographic system 4—44741
Sasikumar, M., Radhakrishna Rao, K., Reddy, M.A. A general compensation for a switched-capacitor double-integrator biquad 4—30003
Sasikumar, M., Radhakrishna Rao, K., Reddy, M.A. Programmable switched-capacitor filter with no additional silicon area 4—35950
Sasoka, H. *see* Sato, N. 4—32673
Sasov, A.Yu. Analog-digital converter and data input circuit for minicomputers 4—48820
Sastry, A.R.K. Effect of acknowledgement traffic on the performance of slotted ALOHA-code division multiple access systems 4—32111
Sastry, O.S. *see* Dutta, V. 4—61186
Sastry, O.S. *see* Rao, T.V. 4—50579
Sastry, S.S. Asymptotic behaviour of stochastic dynamical systems 4—46108
Sata, T., Dean, W., Takata, S. Vibration monitoring system for high pressure oil pump 4—55325
Satake, T., Kashima, N., Sankawa, I., Hirai, M. Effects of resin on fiber centering of ferrule-type optical fiber connectors 4—42398
Satake, T. *see* Kashima, N. 4—44107
Satake, T. *see* Murata, H. 4—31118
Satake, T. *see* Sankawa, I. 4—42396
Satake, T. *see* Tachikura, M. 4—42399
Satchell, J.S. *see* Tai, K. 4—42708
Satchell, R.J. The measurement of RF attenuation by gating techniques 4—44581
Sateesh, K. *see* Everhart, F.J. 4—51646
Sathe, M.M. Coupled inductor lossless snubber circuit for a transistor switching converter 4—41195
Sathi, N. *see* Uher, R.A. 4—57473
Sathiakumar, S. *see* Gopakumar, K. 4—50130
Sathianandan, K. *see* Subhash, N. 4—31453
Sathiaseelan, V., Har-Kedar, I., Howard, G.C.W., Bleehan, N.M. A microcomputer-controlled microwave hyperthermia system 4—39582
Sathikumar, S., Vithayathil, J. Digital simulation of field-oriented control of induction motor 4—49868
Sathyanarayan, S. *see* Potturi Ragavendra Rao 4—58505
Sathyanrayana, S. *see* Ratna Kumar, B.V. 4—34828
Sato, A. Key telephones: a pushbutton way to more efficient communication 4—60556
Sato, C., Fujisaka, H. Stability of switched capacitor filter possessing periodic parameter 4—58443
Sato, F., Takahashi, T., Misawa, H., Kimura, K. A subnanosecond 2000 gate array with ECL 100K compatibility 4—29780
Sato, F., Takahashi, T., Misawa, H., Kimura, K. A subnanosecond 2000 gate array with ECL 100K compatibility 4—35745
Sato, F. *see* Chikawa, J. 4—29438
Sato, F. *see* Hayashide, Y. 4—33681
Sato, F. *see* Kataoka, T. 4—32610
Sato, F. *see* Kobayashi, Y. 4—32486
Sato, G. MIC linearizer for satellite communications 4—58528
Sato, G. *see* Kawakami, H. 4—59853
Sato, H. Japanese text-to-speech conversion system 4—53473
Sato, H. *see* Fujita, T. 4—42624, 4—42649
Sato, H. *see* Kageyama, T. 4—30257, 4—36189
Sato, H. *see* Koga, T. 4—35972
Sato, H. *see* Nakamura, K. 4—52037
Sato, H. *see* Nishikado, I. 4—54041
Sato, H. *see* Ohkoshi, A. 4—30279
Sato, H. *see* Sagisaka, Y. 4—53474
Sato, H. *see* Saito, K. 4—32820
Sato, H. *see* Yudasaka, M. 4—31211
Sato, I., Tamagawa, S., Iwata, R. Quasi-optical diplexer by rectangular metallic mesh 4—46617
Sato, I. *see* Fujimori, H. 4—36998
Sato, K. Domestic satellite communications system. III. CS-2 system using small transportable Earth station and monitor and control center 4—32727
Sato, K., Hirano, K., Misaki, H., Gobara, T., Arita, S. The memory characteristics of MNOS nonvolatile memory devices 4—52137
Sato, K., Tsuyuki, S., Miyanaga, S. Fiber optic analog transmission technique for broadband signals 4—44101
Sato, K. *see* Maru, K. 4—41325
Sato, K. *see* Nakayama, R. 4—40017
Sato, K. *see* Shiota, H. 4—34798
Sato, K. *see* Sugimoto, H. 4—62563
Sato, K. *see* Tokuda, T. 4—58376
Sato, M. The production of essentially uniform-sized liquid droplets in gaseous or immiscible liquid media under applied AC potential 4—53173
Sato, M., Hashimoto, T., Ogasawara, S., Suzuki, K. A CMOS CCD video delay line 4—61048
Sato, M., Iguchi, M., Sato, R. Transient response of coupled linear dipole antennas 4—31763
Sato, M., Iida, K., Inohira, S., Shinmi, T., Miyagi, J. Statistical circuit simulator STATIS for bipolar VLSI yield enhancement 4—36817
Sato, M., Iijima, T. Pseudo-Hadamard transform for image processing 4—53857
Sato, M., Isoyama, A., Oohara, K., Nakajima, K. Document communication processing system for enterprise systems 4—54163
Sato, M., Kaneko, H., Kashima, N. Fusion splice loss estimation using image processing technique for graded-index optical fibers 4—47289
Sato, M., Ogawa, H., Iijima, T. A theory of pseudoorthogonal bases and its application to image transmission 4—53814
Sato, M., Saito, S. Electron beam testing techniques for dynamic memory 4—51252
Sato, M. *see* Hayashi, Y. 4—35505
Sato, M. *see* Kato, Y. 4—29825, 4—41440
Sato, M. *see* Nishizeki, T. 4—50668
Sato, M. *see* Ogata, M. 4—32052
Sato, M. *see* Ohtsuki, T. 4—57931

Sato, N., Inumaru, F. Consideration on subscriber loop impedance standards in digital telephone network 4−38355

Sato, N., Kobayashi, K., Sasoka, H., Nishigaki, T., Hamamoto, N. Acquisition performance of CCD matched filter for PN spread spectrum signal 4−32673

Sato, N., Nawata, T., Wada, K. A new cell for high capacity mask ROM by the double LOCOS technique 4−35819

Sato, N., Umida, H., Hayashi, Y. Induction generator connected to a utility network through a static frequency changer 4−57044

Sato, N. *see* Haydon, S.C. 4−46776

Sato, R., Nemoto, Y., Endo, I. Impedance transformation and matching with parabolic tapered transmission line 4−37692

Sato, R. *see* Endo, A. 4−37689

Sato, R. *see* Kami, Y. 4−37691, 4−42894

Sato, R. *see* Kobayashi, K. 4−41441

Sato, R. *see* Sato, M. 4−31763

Sato, R. *see* Takahashi, K. 4−48243

Sato, R. *see* Tanno, K. 4−43775

Sato, S. Quenching properties of fluorescence by voltage application in organic solutions containing rare earth ions. Improvement in properties by transparent insulating films 4−52774

Sato, S., Sugawara, J. Some properties of fluorescent guests in compensated liquid crystals 4−31189

Sato, S. *see* Fuchi, K. 4−40757

Sato, S. *see* Fujishima, K. 4−58330

Sato, S. *see* Shindo, M. 4−29516

Sato, S. *see* Togashi, M. 4−54171

Sato, S.I. *see* Katagi, T. 4−47664

Sato, T. Excimer lasers and laser processing 4−42506

Sato, T. Research now−international technical cooperation with the Central Telecommunication Research Laboratories 4−43519

Sato, T., Ishida, T., Tanaka, K., Sakashita, S. 64-channel CATV UP/DOWN converter 4−55023

Sato, T., Ito, T., Aida, M. Creation and maintenance of practical standard frequencies and time services 4−33420

Sato, T., Takanashi, N., Yamakoshi, Y. Two-dimensional X-ray imaging system for very small objects using scanning slit detection 4−61244

Sato, T. *see* Hama, K. 4−59144

Sato, T. *see* Hirahara, K. 4−52824

Sato, T. *see* Imae, M. 4−33501

Sato, T. *see* Komori, A. 4−54556

Sato, T. *see* Matsushita, K. 4−50773

Sato, T. *see* Miyahara, H. 4−61791

Sato, T. *see* Nagata, M. 4−57608

Sato, T. *see* Saburi, Y. 4−44198

Sato, T. *see* Sakaki, Y. 4−57139

Sato, T. *see* Setaka, R. 4−52643

Sato, T. *see* Takahashi, H. 4−59232

Sato, T. *see* Tanaka, S. 4−53563

Sato, T. *see* Yamakoshi, Y. 4−47893

Sato, T. *see* Yasui, T. 4−38397

Sato, T. *see* Yokota, T. 4−43330

Sato, Y. Recent trends in small batteries for consumer use 4−34826

Sato, Y. Methods for avoiding malfunctions caused by faults 4−53229

Sato, Y. *see* Akiyama, K. 4−38372

Sato, Y. *see* Fujisaki, H. 4−60010

Sato, Y. *see* Fujita, Y. 4−51336

Sato, Y. *see* Hermansky, H. 4−53496

Sato, Y. *see* Kishimoto, T. 4−38048

Sato, Y. *see* Matsushita, K. 4−50773

Sato, Y. *see* Ota, T. 4−50770

Sato, Y. *see* Sakai, H. 4−50001

Sato, Y. *see* Shinkai, T. 4−40088

Satoh, A., Ogawa, E. Transmission loss reduction of window glasses using matching layers in 26 GHz band 4−30083

Satoh, I., Koshimoto, Y. Coated magnetic disk media noise 4−37028

Satoh, K., Sakuraba, I. Thickness aberrations of two-photon-resonant image upconverters using type I optical systems 4−42442

Satoh, K., Sakuraba, I. Diffraction integral representation of two-photon-resonant image upconverters 4−47515

Satoh, K. *see* Fukuda, B. 4−31026

Satoh, N. Proposal of framing system for synchronization stability improvement 4−47875

Satoh, T., Kobayashi, S. Time service using TV radiowave comparison 4−33504

Satoh, T. *see* Aoki, K. 4−56454

Satoh, T. *see* Kobayashi, S. 4−33505

Satoh, T. *see* Yoshida, S. 4−43687

Satoh, T. *see* Yoshino, T. 4−59964

Satoh, Y., Iwamori, K., Sawada, K., Miyamoto, K., Matsumoto, H. Moisture induced failures in plastic encapsulated 64 kbit dynamic RAMs 4−46445

Satou, K., Nakamura, Y., Fukatsu, S., Watanabe, N., Kimoto, T. Design and implementation of a personal computer local network 4−43740

Satou, M. *see* Ichikawa, Y. 4−47173

Satou, N. *see* Aoki, Y. 4−52530

Satow, T. *see* Kawamura, T. 4−59175

Satserdotov, P.A. *see* Markov, N.N. 4−33469

Sattler, J.P., Simonis, G.J. Dielectric properties of beryllia in the near-millimeter wavelength range 4−39295

Sattler, P.K. *see* Loser, F. 4−57026

Satyam, M. *see* Venkata Ramana Yogi, M. 4−58173

Satyamurthy, P., Venkatramani, N., Rohatgi, V.K. Analysis of combustion MHD generator using a coupled core-boundary layer model 4−34941

Saucier, G., Bellon, A., Paillotin, J.F., Tsitsimis, J., Janati, A. Classification and comparison of different placement strategies 4−30738

Saucier, G., Chaisemartin, P. Parallelism in the placement problem in structured logic 4−29834

Saucier, G., Serrero, G. Intelligent assistance for top down design of VLSI circuits 4−52253

Saucier, G. *see* Amblard, P. 4−30734, 4−36762

Saucier, G. *see* Bellon, C. 4−30736, 4−36754

Saucier, G. *see* Cuykendall, R. 4−42108, 4−52246

Sauer, C.G. *see* Jones, R.M. 4−61883

Sauer, C.H., MacNair, E.A., Kurose, J.F. Queueing network simulations of computer communication 4−38286

Sauer, H. The relay evolution. From the first to the third relay generation 4−41657

Sauer, P.W., Ahmed-Zaid, S., Pai, M.A. Systematic inclusion of stator transients in reduced order synchronous machine models 4−56961

Sauer, P.W., Christensen, J.P. Active linear DC circuit models for power system analysis 4−62091

Sauer, P.W. *see* Heydt, G.T. 4−57737

Sauer, W. Inaccuracies of measuring methods and their influence on the regression function 4−50553

Sauerbrey, R. *see* Walter, W. 4−59392

Sauerburger, H. Error probability of digital transmission on symmetric multi-pair telephone cables 4−32627

Sauerwein, K. *see* Link, R. 4−50844

Sauerwein, R.R. *see* Iwasaki, H. 4−33647

Saukhatas, A.S., Loman, T.V. A computer experiment to assess the accuracy of programmed digital distance relays 4−56679

Saukhatas, A.S., Loman, T.V. Instrument errors of programmed transmission line relaying 4−62241

Saukkonen, S. *see* Vatjus-Antilla, L. 4−55578

Saul, P.H. Monolithic 10-bit d-a converter avoids postprocess trimming 4−51317

Saul, P.H., Howard, D.W., Greenwood, C.J. An eight bit CMOS DAC cell for semi-custom design 4−59037

Saul, P.H., Urquhart, J.S. Techniques and technology for high-speed D-A conversion 4−35882

Saul, R.H., Chen, F.S., Shumate, P.W. Reliability of planar InGaAs photodiodes 4−55495

Sauli, F. Basic processes in time-projection like detectors 4−33644

Sauli, F. Gaseous detectors in biomedical research 4−33830

Sauli, F. *see* Peisert, A. 4−33689

Saulnier, G.J., Das, P. Suppression of narrowband interference in a P-N spread spectrum receiver using a CCD based LMS adaptive filter 4−32669

Saulnier, J.B. *see* Alexandre, A. 4−44832

Saulsberry, G. Digitizing high-speed analog data using computers 4−48826

Sault, P., Urquhart, J.S. Techniques and technology for high-speed D-A conversion 4−29945

Sault, R.J. Uniqueness condition for the phase problem in one dimension 4−53908

Saumont, R. *see* Lorente, P. 4−49269

Saunders, A.G. Thick film hybrid circuits in telecommunications applications 4−36170

Saunders, F.C. Some studies in the physics of liquid crystals and their use in electo-optic devices 4−59279

Saunders, J., Eldridge, J. Recent advances in utility and application of a high speed video motion analysis system 4−55051

Saunders, M., Danielson, L., Huffman, F. Test results on two thermionic converters with cermet emitters 4−34951

Saunders, M. *see* Wolff, L.R. 4−40496

Saunders, M.H. *see* Maynard, R.B. 4−35302, 4−35303

Saunders, M.P., Croft, D.C., Holmes, P.E., Boxall, B.A. High voltage DMOS integrated with CMOS logic using dielectric isolation 4−47141

Saunders, R. Environmental characterization of the TGS£ 812 gas sensor 4−33995

Saunders, R., Wanless, P., Caldwell, J. A variational-iterative scheme applied to Burgers' equation 4−50676

Saunders, R.D. *see* Schaefer, A.R. 4−47340

Saunier, A. *see* Bayard, C. 4−56626

Saunier, P. *see* Kim, B. 4−36047

Sauras, E. *see* Montilla, J. 4−53104

Saurel, J.M. *see* Attal, J. 4−34002

Sausen, F. *see* Clausen, H.D. 4−53954

Sausen, F. *see* Majus, J. 4−48443

Sauter, E., Schultz, G.V., Wohlleben, R. Antenna patterns of an open structure mixer at submillimeter wavelength and of its scaled model 4−53291

Sautreuill, B. *see* Krawczyk, S. 4−30323

Sautter, W. On the condition for the linear least squares problem with linear equality constraints 4−46187

Sauvain, H., Hirschi, W., Aguet, M. Establishing the frequency dependent impedance in supply networks 4−49588

Sauzade, M. *see* Gonord, P. 4−52515

Savage, J. Soldering−users' views of the new developments 4−40853

Savage, J. Storage and handling in electronic production 4−45972

Savage, J. Automatic wire processing 4−51572

Savage, J. Connector developments−solving the problems of modern technology 4−51597

Savage, J.E. *see* Cuykendall, R. 4−42108, 4−52246

Savage, J.W. *see* Duff, W.G. 4−59795

Savage, L.A., Gallagher, P. Central cogeneration and urban industrial development 4−49656

Savage, P.R. *see* Atkinson, P. 4−57048

Savaglio, R.J. Realtime level referencing [LSI ATE] 4−52200

Savale, M.M. *see* Dansky, A.H. 4−30056

Savant, C.A. *see* Cowan, K.S. 4−32454

Savard, P., Guardo, R., Drouhard, J.P., Gulrajani, R.M., Roberge, F.A. Application of the single moving dipole in man 4−49209

Savary, P. *see* Nakaoka, M. 4−57226

Savatinova, I., Tonchev, S., Pushkarov, Kh., Scharf, F. Electrically induced Ti:$LiNbO_3$ strip-waveguides: effect of electrooptic modulation 4−36007

Savatinova, I., Tsonev, L. A waveguide phase modulator 4−38594

Savchenko, A.G. *see* Lenyuk, G.K. 4−33080

Savchenko, E.V. *see* Gritsenko, A.V. 4−57133

Savchenko, N.I. *see* Andryushchenko, L.G. 4−40211

Savchenko, V.N. *see* Bykov, A.M. 4−47290

Savchenkov, A.G. *see* Parol', N.V. 4−50957

Savchin, V.P. *see* Bartish, L.A. 4−30373

Save, D. *see* Khan, M.N. 4−30357

Savel'ev, A.Ya. *see* Yakimets, I.V. 4−62204

Savel'ev, B.A., Pozdnyakova, O.P. Device for supplying a liquid uniformly [coating deposition application] 4−50815

Savel'ev, D.A. *see* Danilov, V.V. 4−59454

Savel'ev, I.I. *see* Mogil'naya, T.Yu. 4−37403

Savel'ev, I.I. *see* Zhavoronkova, T.V. 4−59559

Savel'ev, M.V. *see* Gurchin, I.I. 4−52705

Savel'ev, N.A. *see* Korzhik, V.I. 4−43120

Savel'ev, V.I. *see* Gaisak, I.I. 4−49073

Savel'ev, Yu.K. *see* Vaganova, M.Yu. 4−58484

Savelli, M. Thin film solar cells and spray technology: the future of the photovoltaics sector 4−50101

Savenko, V.I. *see* Fedoseeva, N.P. 4−36268

Savic, M.S. *see* Bickford, J.P. 4−62231

Savin, A.G. Vectorial representation of currents and voltages in analysis of circuits with valve converters 4−40317

Savin, S.K., Saliyenko, P.F. Estimate of the mutual influence of a group of radio-electronic systems 4−32642

Savin, S.N., Krichevskaya, L.Z. Selecting protective devices for use in rectified control current circuits 4−35634

Savin, V.B. *see* Lyapin, E.A. 4−40000

Savini, A. Finite element modelling of junction terminations in reverse-biased semiconductor devices 4−36518

Savinio, A. Video conferences 4−38888

Savinova, N.A. *see* Bordovsky, G.A. 4−30360

Savir, J., Bardell, P.H. On random pattern test length [logic testing] 4−58254

Savitescu, G. *see* Ijac, G. 4−40224

Savitescu, G. *see* Ijae, G. 4−40527

Savitescu, Gh. *see* Ijac, Gh. 4−40223

Savitskii, S.K. *see* Gel'man, M.V. 4−41199

Savkina, I.V., Kislyunina, E.B., Novgorodtseva, L.A. Indices of the light transmission coefficient of optical fiber braids with low endface section 4−47261

Savoia, A. *see* Margaritondo, G. 4−46845

Savonova, M.A. *see* Popov, V.V. 4−51897

Savov, G.G. *see* Vulkov, S.A. 4−41377

Savulescu, B. *see* Dinescu, C. 4−46285

Savushkin, V.N. *see* Vinnikov, A.Ya. 4−36244

Savvides, N. Deposition parameters and film properties of hydrogenated amorphous silicon prepared by high rate DC planar magnetron reactive sputtering 4−50816

Savyak, V.V. *see* Pozhela, Yu.K. 4−58725

Sawa, G. *see* Iida, K. 4−42192

Sawa, G. *see* Nakamura, S. 4−39878

Sawa, K., Ishiguro, H., Nagao, S., Yamanaka, H., Koike, S. Ultra-high-brightness GaAlAs red light-emitting diodes 4−31253

Sawa, S. *see* Geshiro, M. 4−31153, 4−42368

Sawa, T. *see* Yoshino, H. 4−36996

Sawabe, Y. *see* Ishigami, A. 4−38384

Sawada, K. *see* Hiroyama, M. 4−38232

Sawada, K. *see* Isobe, M. 4−51307

Sawada, K. *see* Satoh, Y. 4−46445

Sawada, S. *see* Matsumoto, Y. 4−36632

Sawada, T., Itagaki, S., Hasegawa, H., Ohno, H. InP MISFETs with Al_2O_3/native oxide double-layer gate insulators 4−52103

Sawada, T. *see* Hasegawa, H. 4—30732, 4—46863
Sawada, Y. *see* Katayama, Y. 4—30623
Sawaki, A., Ohsuka, S., Hayashi, T. New phototubes and photomultipliers resistive against high magnetic fields 4—36235
Sawaki, K. On the class of closed dynamic programs 4—57943
Sawakuri, T., Kakehi, K., Ishimaru, K. Transmission performance standards for digital telephone network 4—38192
Sawakuri, T. *see* Itakura, S. 4—38161
Sawakuri, T. *see* Yamamoto, Y. 4—38164
Sawaoka, A. *see* Usuba, S. 4—42790
Sawaoka, A. *see* Yamamoto, F. 4—35028
Sawata, S. *see* Kamimoto, M. 4—40169
Sawata, S. *see* Tsuda, I. 4—40173
Sawatari, N., Saito, K., Watanabe, I. A new polyimide-modified polybutadiene laminate 4—41113
Sawchuk, A.A. Recent developments in optical and digital processing 4—32023
Sawchuk, A.A., Strand, T.C. Digital optical computing 4—60191
Sawchuk, A.A., Strand, T.C., Soffer, B.H. Intensity-to-spatial frequency transformations in optical signal processing 4—43424
Sawchuk, A.A. *see* Kuan, D.T. 4—60252
Sawchuk, A.A. *see* Tanguay, A.R., Jr. 4—42424
Sawhney, H.S., Oliker, I., Silaghy, F.J. Turbine modifications for district heating 4—49776
Sawicki, F.S., Mital, M.D., Osborne, F.J. Universal 25 V frit seal fixture 4—58702
Sawla, A. *see* Peters, M. 4—33278, 4—39161, 4—55709
Sawla, A. *see* Weiler, W. 4—61549
Sawoka, A. *see* Yasumoto, Y. 4—49035
Sawoska, D.A. *see* Grunwald, J.J. 4—58953
Sawyer, B. Recalibration of Q capability indications from infrared measurements on cultured quartz 4—30890
Sawyer, D.E. *see* McLeod, P.S. 4—59304
Sawyer, J.W. Mechanical properties of the Shuttle Orbiter thermal protection system strain isolator pad 4—61854
Sawyer, R.T. The closed cycle gas turbine, the most efficient turbine burning any fuel 4—40136
Sawyer, S.D. *see* Dennis, U.E. 4—34348
Sax, H. Tacho control without tachogenerator: IC facilities rotational speed control 4—58961
Saxchenko, A.A. *see* Belousov, I.A. 4—55541
Saxe, S.G. *see* Bromley, K. 4—42414
Saxena, N.S. *see* Naik, K.B. 4—57065
Saxena, R.B. *see* Sitaramam, V. 4—62529
Saxena, R.C.P., Anderson, J.B. A new algorithm for finding D_{free} of finite state modulation codes 4—43172
Saxena, R.K. *see* Murthy, R.S. 4—61995
Saxena, S.C. *see* Desai, M.D. 4—56125
Saxon, D.H. *see* Blissett, J.A. 4—61710
Saxton, D. *see* Dankberg, M. 4—53560
Sayadyan, G.A. Automatic generation of input data for microprograms of large-scale integrated circuit functional control 4—29912
Sayer, M. *see* Krupanidhi, S.B. 4—36358
Sayer, R.O. *see* Jones, C.M. 4—33558
Sayigh, A.A.M. *see* Furlan, G. *(editor)* 4—40718
Sayle, A.J. The impact of new technology on QA standards 4—50577
Saylor, F.G., Jain, V.K., Dobeck, G.J. Analysis of the sum of two Gaussians density 4—38101
Sayre, J.A. *see* Johnson, R.T. 4—52344
Sazbon, D. *see* Chaillet, B. 4—54434
Sazhin, B.N. *see* Glebov, A.S. 4—46828
Sazhin, V.V. *see* Isaenko, F.I. 4—55432
Sazonov, A.I. *see* Bazarov, E.N. 4—42553
Sazonov, S.G., Romanov, O.V. InSb and InAs MIS diodes with an *N*-shaped voltage-current characteristic in the inversion-voltage region 4—58815
Sazonov, V.A. *see* Zimogorova, N.S. 4—47334
Sazuki, M., Abe, M., Koqure, Y. Latest full automation of thermal power plant 4—49728
Sazykin, Yu.K. *see* Shchelokov, Ya.M. 4—40644
Sbai, A. *see* Abdennour, R. 4—49575
Scacchi, W. Developing VLSI systems with a silicon engineering environment 4—29592
Scacchi, W. Developing a silicon engineering environment 4—36789
Scacchi, W., Gasser, L., Gerson, E.M. Problems and strategies in organizing computer-aided design work 4—36779
Scacchi, W. *see* Katz, R. 4—42109, 4—50910
Scacciaferro, F. *see* Formichelli, A.R. 4—30694
Scacco, A. *see* Meucci, M. 4—59485
Scaduto, A.F. *see* Henderson, G.E., Jr. 4—30482
Scagliola, C. *see* Cravero, M. 4—43231, 4—59994
Scalan, R.S. *see* Parker, P.L. 4—61944
Scalari, F. *see* Zimny, J. 4—47530
Scalcino, S. *see* Camensig, C. 4—49501
Scales, W.C. A satellite data link for civil aviation 4—32750
Scales, W.C., Swanson, R. Air and sea rescue via satellite systems 4—38519
Scally, C.R. *see* Lamothe, R.J. 4—56785
Scanlan, I.F., Duncan, W.J., Titchmarsh, J.G., Lamb, J.G. Optical fibre under static strain: establishing the survival probability in service from tensile test data 4—52681
Scanlan, S.O. *see* Baher, H. 4—46559
Scanlon, J.C. *see* Abeles, B. 4—58048
Scanlon, P.J., Barfoot, K.M., Skensved, P., Whitton, J.L., Calder, I.D., Shepherd, F.R. Channeling and high-resolution backscattering studies of laser-annealed low-energy arsenic-implanted silicon 4—36460
Scanlon, P.J. *see* Levinson, J. 4—36643
Scarafino, A.J. *see* Geany, G.M. 4—36174
Scarafiotti, A. *see* Codegone, M. 4—46307
Scaramelli, L. Technical-economical study of an electrical installation for a residential civil complex 4—35232
Scarati, C. *see* Bostica, P. 4—61093
Scarborough, K., Carter, G.C., Tremblay, R. Implications of threshold effects for coherent and incoherent processing techniques of time delay estimation 4—60055
Scarini, R. *see* De Julio, U. 4—32196
Scarisbrick, R.M. A preliminary examination of electromechanical failure of insulation in the presence of discharges 4—59094
Scarlet, J. Three dimensional interconnection 4—50533
Scarlett, B.L. Practical project monitoring—an aid to control 4—45947
Scarlin, B. *see* Bertilsson, J.E. 4—62381
Scarowsky, M., Boyarsky, A. A note on the Diophantine equation $x^n+y^n+z^n=3$ 4—29325
Scarpa, P. Determination of the dynamic behaviour of an arc appearing in a switch, starting with a transient analyzer 4—51579
Scarpa, P. Synthetic methods for circuit breakers: automatic analysis using numerical processing 4—62645
Scarpa, P. *see* Genon, A. 4—45544
Scarparo, M.A.F. *see* Brito Cruz, C.H. 4—42587
Scarpero, W.J., Jr., Waggoner, C.D., Zuckerman, A. General-purpose driver circuit 4—29967
Scavo, G.G. *see* Gavassuti, M. 4—32253
Schaaf, A.van der *see* van der Schaaf, A.
Schaake, H.F., Tregilgas, J.H., Beck, J.D., Kinch, M.A. Observation of a new gettering mechanism in (Hg, Cd)Te 4—30497
Schaarschmidt, J.S., Moschwitzer, A., Schuffny, R. Process and component simulation for MOS circuits 4—30772
Schabas, A.H., Tompa, F.W. Trees and forests: user reactions to two page access structures [viewdata] 4—48111
Schaber, H. *see* Binder, J. 4—48831
Schachter, L. *see* Ursu, I. 4—40507
Schade, B. Switch, control and monitor by telephone 4—32300
Schade, B. Switching of lighting installations by remote control 4—62805
Schader, O. *see* Matalla, N. 4—62841
Schadlich, M. Flexible production control—the basis for company success? 4—40661
Schaecher, W. *see* Prothero, W.A., Jr. 4—61887
Schaedeli, B. *see* Aguet, M. 4—40727
Schaefer, A.R., Hughey, L.R., Fowler, J.B. Direct determination of the stored electron beam current at the NBS electron storage ring, SURF-II 4—33606
Schaefer, A.R., Saunders, R.D. Intercomparison between silicon and blackbody based radiometry using a silicon photodiode/filter radiometer 4—47340
Schaefer, D.J. Integrated network control and performance monitoring 4—32783
Schaefer, E. Relays for electronic applications 4—30151
Schaefer, E. The relay in electronics. X 4—30152
Schaefer, E. Relays in electronics. XI 4—30154
Schaefer, E. Connectors in electronics. L 4—30165
Schaefer, E. Plus connectors in electronics 4—36119
Schaefer, E. The relay in electronics. XIV 4—51586
Schaefer, H. Efficiency chains in space heating and hot service water supply—various aspects of their evaluation 4—45760
Schaefer, H.-H. Experiences with Clophen-filled capacitors in power factor compensation installations of the $16^2/_3$ Hz traction power supply of the DB 4—50157
Schaefer, H.-H. *see* Middendorf, E. 4—42195
Schaefer, J.F. What we know about rooftop electricity 4—56888
Schaefer, L. *see* Guther, R. 4—53105
Schaefer, M.T. Satellite communication earth station at Indiana public library: pioneer US facility constructed by Lake County public library system, Merrillville, Indiana 4—32720
Schaefer, M.T. Fiber optics and lasers for information transfer 4—32802
Schaefer, M.T. US telecommunications tumult touches libraries/info centers 4—43568
Schaefer, M.T. Canada's Telidon technology: in VIDEOTEX vanguard 4—43708
Schaefer, M.T. Videotex in the United States 4—48073
Schaefer, R. *see* Bayer, T. 4—30221
Schaefer, W.H. *see* Rose, L. 4—29268
Schaeffer, A. *see* Mahdavi, J. 4—57279
Schaeffer, D.R. *see* Chenkovich, G.A. 4—44857
Schaeper, H.R.A. Radar imaging from spaceborne platforms 4—54875
Schaeper, H.R.A., Nitschke, H.A. Spaceborne multifunction imaging radar antenna development 4—38685
Schaeper, W., Vera, R.L.G. Modifying supercritical pressure units for cycling operation 4—56841
Schaerer, T. Cost-effective VCO for frequency synthesis 4—41229
Schafe, C.R. *see* Codomo, J. 4—49311
Schafer, B. A diagnostic journey: high-voltage insulation systems 4—36948
Schafer, D. *see* Lachmann, J. 4—39350
Schafer, F.P. New methods for the generation of ultrashort laser pulses 4—52883
Schafer, F.P. *see* Szatmari, S. 4—31291, 4—31342, 4—37427
Schafer, G. *see* Schmitz, V. 4—46269
Schafer, H., Caruso, H.J. Tailoring issues for the program manager [environmental testing] 4—50507
Schafer, J. *see* Muhlbauer, A. 4—50221
Schafer, K.-D., Jones, J. Electrohydraulic closed-loop control of the model manipulator in the German-Dutch wind tunnel 4—39646
Schafer, R. DPCM coding of the chrominance signals for the transmission of colour TV signals at 34 Mbits/s 4—53415
Schafer, R., Brulhart, G. Static busbar protection based on the high impedance principle 4—45168
Schafer, R.E. *see* Angus, J.E. 4—29305
Schafer, R.W. *see* Katsaggelos, A.K. 4—60169, 4—60250
Schafer, R.W. *see* Maragos, P.A. 4—60228
Schafer, R.W. *see* Margos, P.A. 4—60231
Schafer, R.W. *see* Richards, M.A. 4—60006
Schafer, W., Langhoff, J., Lohmann, C., Peyrer, P. Consumption coal for fixed bed gasification 4—45199
Schaff, W.J., Eastman, L.F., Van Rees, B., Liles, B. Superlattice buffers for GaAs power MESFETs grown by MBE 4—52095
Schaff, W.J., Eastman, L.F., Van Rees, B., Liles, B. The large signal performance of GaAs MESFETs fabricated from material grown by molecular beam epitaxy 4—58545
Schaffer, G. Computer-aided inspection and reporting 4—55200
Schaffer, G. *see* Maletinsky, V. 4—45079
Schaffer, H., Koeder, O. A sensitive all-silicon temperature transducer 4—48842
Schaffers, F.J. Application of speech coding and recognition systems 4—43274
Schafft, H.A. *see* Kowalski, P. 4—44585
Schaftingen, J.J.Van *see* Van Schaftingen, J.J.
Schagen, I.P. Sequential exploration of unknown multi-dimensional functions as an aid to optimization 4—50675
Schaile, O. *see* Arefiev, A. 4—55843
Schairer, W. Rapid thermal redistribution of copper impurities in $GaAs_xP_{1-x}$ at temperatures above 250°C 4—42493
Schaldach, M. *see* Ostgen, M. 4—61815
Schalk, M., Breuer, W., Ballweber, B., Graubner, U. Measurements of stress on nuclear power station buildings due to accidental loads based on a three dimensional shell model 4—56771
Schalkoff, R.J. Contextual image motion estimation and analysis using spatio-temporal primitives 4—60165
Schalkoff, R.J. *see* Labuz, J. 4—38037
Schalkwijk, J.P.M. Convolutional-codes: a state-space approach 4—37850
Schalkwijk, J.P.M., Rooyackers, J.E., Smeets, B.J.M. Generalized Shannon strategies and a converse for the binary multiplying channel 4—47714
Schallenberger, B. *see* Sandweg, G. 4—42123
Schaller, D., Munch, T., Hirsch, P. Improved method for the determination of the maximum transmission reserve of intermediate-high voltage systems 4—34144
Schaller, U., Kraak, W., Herrmann, R. Metal-insulator transition in n-InSb under high hydrostatic pressure 4—30333
Schallert, W.F. *see* Shamasundra, H.N. 4—45890
Schambeck, W., Heintz, K., Stoiber, R. Test satellite OTS: used as TV-Sat 4—60745
Schambeck, W. *see* d'Orville, H. 4—38508
Schamp, C.A. *see* Daughtrey, H.T. 4—49683
Schanz, M. *see* Grundey, T. 4—55787
Schaper, W. *see* Edwin, K.W. 4—34121
Schaphorst, R.A. *see* Bodson, D. 4—38233
Schapp, T. *see* Paulson, R. 4—58615
Schar, H.B. Teletex/telex conversion 4—38225
Schar, O. Effects on the supply system resulting from the starting and operation of electrically driven heat pumps 4—57570
Schardt, B.B. Landsat description and update 4—39645
Scharer, H.U. Assessment of district heating systems by the Federal Office for Energy 4—34379
Scharf, F. *see* Savatinova, I. 4—36007
Scharf, L.L., Tufts, D.W. Linear prediction techniques for exponential model fitting of deterministic and stochastic signals in noise 4—43385
Scharf, L.L. *see* Kay, S.M. 4—60119
Scharf, L.L. *see* Tufts, D.W. 4—37965

Scharf, R. *see* Mauer, E. 4–38078
Scharf, S.M. *see* Cohen, A. 4–39573
Scharf, W.D. *see* Bushell, M. 4–31691
Scharfenberg, H. Ergonomics are more than physics 4–46052
Scharfetter, D.L., Tremain, R.E., Jr., Oki, T.J., Doganis, K., Chen, S. An integrated IC process characterization facility 4–36741
Scharff, W., Erben, J.-W., Wolf, A., Heber, M., Hamann, C., Weissmantel, C., Voelskov, M., Matthai, J., Kogler, R., Klabes, R., Wieser, E. Growth of single-crystalline regions on amorphous insulating substrates by zone-melting recrystallization 4–29512
Scharff, W., Erben, J.-W., Wolf, A., Heber, M., Hamann, C., Weissmantel, C., Klabes, R., Matthai, J., Voelskov, M., Kogler, R., Wieser, W. Growth of monocrystalline silicon islands on insulating substrates 4–41061
Scharff, W. *see* Klabes, R. 4–35494
Scharlemann, E.T. *see* Fawley, W.M. 4–59381
Scharmann, A. *see* Bohm, M. 4–58760
Scharoch, P., Pawlikowski, J.M. Quantum efficiency of internal photoeffects in narrow-gap semiconductors. II. Calculation results in comparison with experimental data 4–31212
Schassberger, R. A new approach to the $M/G/1$ processor-sharing queue 4–46079
Schattat, S., Schmitt, C., Walthner, H.P. Material tracking in a tube rolling mill 4–40647
Schatte, P. The M/GI/1 queue as limit of closed queueing systems 4–35356
Schatz, G. *see* Wisshak, K. 4–39430
Schatz, J.F., Jones, A.H., Abou-Sayed, A.S., Strawn, J.A., Ahmed, U., Veghte, R., O'Shea, P. Use of modified hydraulic fracturing techniques to stimulate tight gas sands bounded by weak barriers: a status report 4–35103
Schatz, R. *see* Bettge, H. 4–62657
Schatzmann, G. *see* Novak, W. 4–62382
Schaub, G. Changes for video 4–55059
Schaub, T. Performance of an error correcting scheme for data transmission over the power mains 4–43815
Schaubert, D.H. *see* Korzeniowski, T.L. 4–44446
Schaubert, D.H. *see* Pozar, D.M. 4–53272, 4–53308
Schaubert, D.H. *see* Wilton, D.R. 4–37516
Schauble, M. *see* Borchardt, M. 4–35406
Schauer, F. The development of superconducting power transmission systems 4–45122
Schaumann, R. Microelectronic analog active filters 4–30011
Schaumburg, H. *see* Nachbauer, W. 4–36459
Schawlow, A.L. Lasers in historical perspective 4–52847
Schechter, M., Friedlander, G. Problems in evaluation of electromagnetic field penetration into shielded cables 4–36100
Scheck, D.E., Mitchell, L.H., Mack, G.W. Automated blast hole logging and design 4–61234
Schedewie, F.J., Wagner, D. Development and characteristics of edge-finding microscopes with electro-optical modulation 4–55699
Scheel, H.J., Gunter, P. Oxide solid solutions, crystal growth and applications 4–35462
Scheepstra, J., Siebers, G.H. Passively cooled shelters for unattended telecommunication sites 4–38136
Scheer, D. *see* Bischof, H. 4–41116
Scheer, D.van der *see* van der Scheer, D.
Scheer, H.C. *see* Kluwe, A. 4–31251
Scheer, J.A. *see* Reedy, E.K. 4–44167
Scheer, U., George, D., Neumann, K. Geracord GC 6000 cassette recorder family 4–48671
Scheferling, H.-H. Btx–computer links–a privilege of large publishers? Co-operation by smaller publishers using Btx software applications 4–54309
Scheffer, T.J., Nehring, J. Optimization of contrast ratio in reversed-polarizer, transmissive-type twisted nematic displays 4–61462
Scheffler, S. Theoretical process analysis of nuclear power plants 4–56761
Scheggi, A.M. Fibers in medicine. II 4–33871
Scheggi, A.M., Brenci, M., Conforti, G., Falciai, R. Optical-fibre thermometer for medical use 4–56097
Scheggi, A.M. *see* Brenci, M. 4–49296
Schehrer, R.G. On a delay-loss system for overload protection 4–43862
Schei, A. *see* Hunt, L.P. 4–51753
Scheibe, K. Surge protection of electronic components 4–37610
Scheibe, P.O. Design considerations for multichannel picture communication networks 4–43470
Scheibner, D.J., Parks, T.W. Slowness aliasing in the Radon transform 4–53762
Scheid, C.C. Fluoroscopic image quality requirements for coronary angioplasty 4–49150
Scheidecker, R.W., Suchomel, R.R. Die for hot pressing of ferrites 4–41109
Scheidegger, A., Engel, M. The new TS85 range of telephones. II 4–32508
Scheiding, U. *see* Seger, G. 4–55332
Scheidker, E. *see* Becker, U. 4–39412
Scheidt, J.L., Koehler, J.E., Schulte, R.P., Kaake, E.J., Niman, S.R. Problems associated with the operation of jointly-owned generators 4–56461
Scheinberg, N., Feria, E., Barba, J., Schilling, D.L. A one-stage look-ahead algorithm for delta modulators 4–53376
Scheinberg, N. *see* Bai, J.B. 4–37883
Scheitler, W. *see* Ambrosy, A. 4–34011
Scheitlin, D. *see* Weitzel, C.E. 4–58187
Scheler, K. Protection testing without risk on vibration measuring instrumentation 4–55154
Schelhorn, R. *see* Bauer, J.A. 4–41699, 4–41733
Schell, K.J. A security printers application of lasers 4–31530
Schellenberg, F.M. *see* Romagnoli, M. 4–47507
Schellenberg, J.M., Watkins, E.T. A 30 GHz MIC FET receiver 4–30658
Schellenberg, J.M. *see* Yamasaki, H. 4–58548
Schellenburg, J.M., Watkins, E.T. EHF GaAs FET amplifiers 4–41607
Schellhaas, H. ISDN–the telecommunications network of the future 4–60482
Schellhaas, H., Schonecker, H.G. Teletex in practice 4–32307
Schellhaas, H., Schonecker, H.G. The way to functioning telecommunications 4–60481
Schelter, I. *see* Kloeppel, F.W. 4–34111
Schemmann, B. SF_6 and vacuum combine to provide 'constant climate' 4–62649
Schemmann, B. *see* Rahmann, F.-J. 4–62654
Schemmel, H.-P. Large-signal circuit calculations: LALY [computer program] 4–29581
Schempp, A. *see* Granneman, E.H.A. 4–61609
Schempp, A. *see* Klein, H. 4–33599
Schenck, J.F. *see* Hart, H.R. 4–49158
Schenck, U. *see* Jutting, U. 4–38064
Schendler, W. *see* Pohl, J.P. 4–62688
Schenk, A.A. *see* Anderson, W.T. 4–52655
Schenk, H. Calculation of the baud error rate in ternary data transmission systems with respect to crosstalk 4–38185
Schenk, H. *see* Pickel, E. 4–40778
Schenk, K.F., Ahsan, Q., Vassos, S. The segmentation method applied to the evaluation of loss of load probability of two interconnected systems 4–56460
Schenkel, K.D. DIKOS–a digital communications system for office use 4–54833
Schenkels, P. *see* Van Ocken, E. 4–49266
Schenkenhofer, P. For the digital technician. The way to logic analysis 4–39112
Schenker, E. Decontamination by means of high pressure water [nuclear power plants] 4–56760
Scheper, D.J.F. The 74S508, a multiplier and divider 4–42075
Schepis, A.J. *see* Olson, J.W. 4–54757, 4–54783
Schepis, D.J. *see* Fabricius, K.A. 4–36807
Schepler, K.L. Fluorescence of inversion site Cr^{3+} ions in alexandrite 4–59484
Scheps, R. Insulated gate depletion mode and accumulation mode field effect transistors on InP fabricated by electron beam lithography 4–52091
Scheps, R.D. *see* Faught, A.N., Jr. 4–37651
Scherbakov, V.N., Ivanov, A.P., Chaikovskii, A.P. Peculiarities of the reconstruction of the microstructure of an atmospheric aerosol from multifrequency sounding data 4–44910
Scherbarth, D.W. *see* Deis, D.W. 4–42786
Scherbina, L.V. *see* Konakova, R.V. 4–46628
Scherer, J.B. *see* Chockie, A.D. 4–40129
Scherf, H. Microcomputer for electric cars 4–40541
Scherf, H. *see* Angelis, J. 4–50147
Scherl, W., Hundt, E. A syntactic method of pattern recognition for document processing 4–43455
Schery, S.D. *see* Andrews, L.L. 4–49478
Schesonka, I. *see* Kirsch, H. 4–39617
Schetelig, K. *see* Almero, R.A. 4–56872
Schettl, M.D. Fault isolation on a multidriver bus 4–32391
Schettler, H. *see* Blumberg, R.J. 4–48710
Schettler, H. *see* Culican, E.F. 4–29655
Schettler, H. *see* Dansky, A.H. 4–30056
Schettler, H. *see* Pollman, K. 4–35922
Schettler, H. *see* Pollmann, K. 4–29744, 4–35907
Schetzina, J.F. *see* Bicknell, R.N. 4–41047, 4–46213
Schetzina, J.F. *see* Cole, H.S. 4–41053
Schetzina, J.F. *see* Rudder, R.A. 4–46240
Scheuble, B.S., Weber, G., Pohl, L., Jubb, R.E. New black liquid-crystalline guest-host systems for indoor and outdoor applications 4–55603
Scheuerlein, R.E. Word line clamp circuit 4–35913
Scheuerlein, R.E., Walker, W.W. High performance twin-cell memory array 4–35802
Scheuerlein, R.E., Walker, W.W., Morency, D.G., Noble, W., Bakeman, P., Critchlow, D. Shared word-line DRAM-cell 4–51248
Scheuerlein, R.E. *see* Plass, D.W. 4–35801
Scheurlein, R.E., Walker, W.W. Pattern-independent memory array 4–35803
Scheytt, W. Computer supported quality assurance in goods intake 4–40880
Schiano, C., Van Nostrand, A. A fault tolerant military satellite network management system 4–32765
Schiavi, A. *see* Barbato, M. 4–56386
Schiavone, L.M., Bosch, M.A., Haller, H.R., Hubbard, W.E., Good, E., Shay, J.L. Optical recording in amorphous hydrogenated tellurium 4–52539
Schibuya, N., Takagi, H., Itoh, K. Noise estimation system for board-level electrical circuit 4–41688
Schick, P. *see* Leffrang, U. 4–62643
Schick, W.R. *see* Gruber, G.J. 4–46267
Schicketanz, D. *see* Auracher, F. 4–35696
Schicktanz, S. Multitasking with the Z80-EMUF 4–58352
Schiebel, R.A. n-channel MISFETs on long wavelength $p\text{-}Hg_{1-x}Cd_xTe$ 4–36642
Schieber, H. Communal information service with Btx 4–54284
Schieber, M., Roth, M., Schnepple, W.F. Crystal growth and applications of mercuric iodide 4–29463
Schieber, M. *see* Katz, S. 4–30853
Schiel, D. *see* Stumper, U. 4–42295
Schieman, R.G. Power system requirements for thyristor drives 4–62105
Schiemenz, P. The new Munich polarized ion source 4–61626
Schierling, H. *see* Joetten, R. 4–49893
Schieschke, K.-P. Correct mounting of large power semiconductors 4–35310
Schieschke, K.-P. Large power semiconductors–how to mount them correctly 4–46988
Schieweck, G. *see* Simon, M. 4–39432
Schiff, H.I. *see* Mackay, G.I. 4–61918
Schiff, M. *see* Posner, R.D. 4–48418
Schiffel, R. Basic electronics circuits. Series D 14. I. The IEC bus (DIN IEC 625) 4–60510
Schiffel, R. *see* Engel, H. 4–30051, 4–35643, 4–35644, 4–35904, 4–35905, 4–51207, 4–58315, 4–58316, 4–58318
Schiffel, R. *see* Kohler, A. 4–58167
Schiffer, F., Ziermann, R., Bornkessel, W., Muller, A. Technological investigations concerning the joining of silica by means of carbon dioxide laser beams 4–57825
Schiffer, S.F., Devaux, R.N., Plesher, M.S. Predicting the behavior of parallel-connected batteries in the event of cell failure 4–40403
Schifreen, R. *see* Futcher, D. 4–60452
Schifter, T.R. Telemetering and communications using programmable controllers 4–48765
Schild, D. A method of solving transcendental equations with a complex argument [for dielectric constant measurement] 4–44384
Schild, D. A review of thermometry by thermoelements 4–55424
Schild, W. CD players, is there still a point in measuring? Large effort, small differences 4–61152
Schilder, J. Classes of pairs of associated functions generated by complex functions used for a new representation of nonharmonic periodic signals 4–29320
Schilders, W., Polak, S., den Heijer, C. A comparison of subset solving algorithms 4–36519
Schiller, C., Duseaux, M. X-ray and electron microprobe analysis of III-V semiconductors 4–36434
Schiller, E. The realization of video games 4–30062
Schiller, J. Motion parameter estimation of a fast moving sound source using the retardation effect 4–60064
Schiller, S., Forster, H., Wenzel, B. Development trends in electron beam melting 4–45793
Schilling, D. *see* Mammone, R.J. 4–37958
Schilling, D.J. *see* Hemmati, F. 4–51371
Schilling, D.L. *see* Bai, J.B. 4–37883
Schilling, D.L. *see* Jiang, Q. 4–37953
Schilling, D.L. *see* Putman, C.A. 4–37957
Schilling, D.L. *see* Scheinberg, N. 4–53376
Schilling, E.G., Sheesley, J.H. The performance of ANSI/ASQC Z1.9-1980 under the switching rules 4–50562
Schilling, R.J., Mukundan, R. A robotics and control laboratory 4–40738
Schilt, W. Research and development in modern cardiac surgery. Contributions and problems in electrotechnology 4–61814
Schimandl, W. *see* Karmatschek, B. 4–34171
Schimmel, B. Diazo films for the production of circuit boards 4–36136
Schimmele, J. Measurement of pressure in the tool in injection moulding 4–44645
Schindel, U. An extended Gummel-Poon model for an extreme range of temperature 4–42037
Schindler, E. The future heat supply of the City of Aarau 4–34381
Schindler, K.W. Dynamic timbre control for real-time digital synthesis 4–44311
Schindler, M. Network combines the merits of two access schemes 4–38295
Schindler, M. *see* Jerinic, G. 4–36068
Schink, H. The influence of SEM preparation on the electrical properties of silicon devices 4–46964
Schink, H.-J. *see* Thoren, W. 4–51785

Schinkel, P. *see* Meisel, K. 4—48413
Schinzel, D. *see* Centro, S. 4—55849
Schipper, L. Residential energy use and conservation in Sweden 4—35051
Schirinzi, G. *see* D'Elia, G. 4—37712
Schlachetzki, A. *see* Kowalsky, W. 4—41586
Schlachter, A.S. Charge-transfer collisions for polarized ion sources 4—61632
Schlachter, A.S. Formation of negative ions by charge transfer: He^- to Cl^- 4—61640
Schlachter, A.S., Morgan, T.J. Formation of H^- by charge transfer in alkaline-earth vapors 4—44678
Schlachter, A.S. *see* Anderson, L.W. 4—61661
Schlag, M., Liao, Y.Z., Wong, C.K. An algorithm for optimal two-dimensional compacting of VLSI layouts 4—36767
Schlageter, G. *see* Gerber, R. 4—48116
Schlansker, C.A. *see* Nied, H.A. 4—41635
Schlapp, W. *see* Dambkes, H. 4—51823
Schlatmann, K. Greater range and more channels [optical link] 4—60846
Schlatter, P. *see* Bryman, D. 4—33632
Schlauersbach, G. 70 years of refrigerated food storage 4—40633
Schleich, W.T. Shuttle vehicle configuration impact on ascent guidance and control 4—49343
Schleithoff, K. *see* Engelke, W. 4—49843
Schlemper, E. *see* Auch, W. 4—37098
Schlenk, K.W. Mineral-insulated conductors—an innovative design for the use in temperature measuring and control 4—58580
Schlepp, D.R. A high performance dehumidifier for solar desiccant cooling systems 4—40628
Schlesinger, Z., Hwang, J.C.M., Allen, S.J., Jr., Le, H. Infrared studies of the GaAs/(GaAl)As two-dimensional electron gas 4—58779
Schleuter, W. Nickel-iron accumulator for electric road vehicles 4—34834
Schleuter, W. Determination of the charged state of a battery 4—57328
Schleuter, W., Skudelny, H.-C. The electrical behavior of lead-acid and nickel-iron batteries 4—57336
Schlichte, M. Digital filters using spline interpolation 4—30016
Schlichte, M. Block-overlap transform coding of image signals 4—43453
Schlichting, R.D. *see* Schneider, F.B. 4—43747
Schlie, L.A., Rathge, R.D. Closed-cycle gaseous alkyl-iodide (C_3F_7I) supply system 4—37302
Schlier, R.E. *see* McGeoch, M.W. 4—61639
Schlier, W. Data transmission in the telephone network is even more versatile using the MBD 1200-01/-02 modem groups. I 4—38364
Schlier, W. Data transmission over telephone network made even more versatile by modem units MDB 1200-01/-02.II 4—38365
Schliesing, H. Monitoring transformers by analysing the oil soluble gases 4—40292
Schliesser, H. Planning a medium voltage cable line for increased ice-load capacity using a basic pocket computer 4—56637
Schlieve, P.L. *see* Young, J.I. 4—45863
Schlipf, W. *see* Schwarzmann, P. 4—53870
Schlitzberger, H.H. Training and continuing education in industry 4—35164
Schloemann, E. Fluctuations of the magnetic field generated by permanent magnets 4—31034
Schlosser, B. *see* Hauser, S. 4—57466
Schlosser, V. Limiting factors for the application of crystalline upgraded metallurgical grade silicon 4—45637
Schlossinger, D. *see* Wulst, N. 4—48247
Schlough, S.D., O'Connell, E.F. Cleaning processes for HICs with other solder paste 4—58648
Schluckebier, D. New low-loss induction furnace for heating billets 4—57555
Schlueter, R.A., Park, G.L., Bouwmeester, R., Shu, L., Lotfalian, M., Rastgoufard, P., Shayanfar, A. Simulation and assessment of wind array power variations based on simultaneous wind speed measurements 4—45383
Schlueter, R.A. *see* Dorsey, J.F. 4—44936
Schlueter, R.A. *see* Modir, H. 4—34021
Schlueter, R.A. *see* Shayanfar, A. 4—56469
Schlumberger, E.P. *see* Robach, C. 4—55186
Schlumberger, W.S. *see* Mihajlovic, R.A. 4—47876
Schlussel, P. *see* Grassl, H. 4—61936
Schluter, W. *see* Wardrip, C. 4—39331
Schmalensee, R., Golub, B.W. Estimating effective concentration in deregulated wholesale electricity markets 4—56443
Schmalfuss, H. *see* Seger, G. 4—55332
Schmandt, C. Input and display registration in a stereoscopic workstation 4—39055
Schmehling, H. Radio communication. An economic service for single branch lines 4—32699
Schmeing, H. *see* Clifford, E.T.H. 4—61688
Schmeiser, B. *see* Kang, K. 4—40929
Schmeisser, F. Piezoelectric actuators: powerful and fast 4—36977
Schmeisser, F. Circuit and trimming of piezoresistive pressure sensors 4—55390
Schmeisser, G., Seamone, W. New control techniques for wheelchairs 4—56164
Schmelzbach, P.A. *see* Gruebler, W. 4—61658
Schmelzer, J. *see* Holland, R. 4—31695
Schmengler, E VHF-UHF Doppler direction finder PA 055 4—38715
Schmerbeck, T.J. Precise current mirror 4—35655
Schmerbeck, T.J. *see* Rae, J.W. 4—50948
Schmid, A. *see* Loudiana, M. 4—37414
Schmid, A. *see* Merker, M. 4—36796
Schmid, G. Overhead power lines for up to 30 kV. I 4—39891
Schmid, G. Construction of overhead power lines up to 30 kV. I. A continuation 4—56639
Schmid, G. Construction of overhead lines up to 30 kV 4—56640
Schmid, G. The construction of overhead lines of up to 30 kV. II 4—56653
Schmid, G. *see* Bayer, T. 4—55677
Schmid, M. *see* Borer, W.J. 4—56622
Schmid, P., Melchior, H. High-speed optoelectronic sampling with semiconductor-laser pulsed coplanar photoconductor 4—59336
Schmid, P., Stephan, W. Characterization of laser diodes by measuring the speckle contrast at the end of a multimode fiber 4—37096
Schmidhausler, F.J. Dialogue between micro and mainframe 4—38269
Schmidt *see* Ertmer 4—56424
Schmidt, A. *see* Pottig, W. 4—57448
Schmidt, A.J. *see* Marowsky, G. 4—42696
Schmidt, A.J. *see* Perger, A. 4—36238
Schmidt, B., Ross, R. Position-sensitive photodetectors made with standard silicon-planar technology 4—33304
Schmidt, B. *see* Franke, H. 4—56618
Schmidt, C. *see* Studer, N. 4—58579
Schmidt, D. Universal development system allows testing without an ICE 4—48695
Schmidt, D. A portable minicomputer system for test and development 4—61198
Schmidt, E. Direct solar generation of electricity 4—45624
Schmidt, E. *see* Dietel, W. 4—47435
Schmidt, E. *see* Kloeppel, F.W. 4—45126
Schmidt, E.C. Engineers in purchasing and the managerial challenge 4—50388
Schmidt, F. *see* Hermes, T. 4—48483
Schmidt, F. *see* Ploger, G. 4—40022
Schmidt, G. *see* Czechowsky, P. 4—49473
Schmidt, H.-D. Trial model for Bildschirmtext (Btx) in the area of student information 4—54282
Schmidt, H.E. *see* Allington, T.R. 4—58654
Schmidt, H.-G. *see* Hamann, W. 4—36952
Schmidt, H.P. *see* Alexandre, A. 4—44832
Schmidt, J., Gotz, K.H. Simple, nonlinear A/D-converter with SAB 8051 single chip microcomputer 4—46526
Schmidt, J., Gotz, K.H. A simple nonlinear A/D converter with the SAB 8051 one-chip microcomputer 4—58402
Schmidt, J.W. *see* Burmeister, W. 4—57960
Schmidt, K., Koiner, J., Mirwalk, A., Maciol, H., Weber, K. Professional technology for the Satellit 600 Professional [cassette recording radio receiver] 4—54969
Schmidt, K.P. *see* Hill, B. 4—59720
Schmidt, L. Multi-functionality for 5% of users? [Market research on multi-function office communications] 4—54022
Schmidt, L. *see* Karsai, K. 4—57104
Schmidt, M.P., Black, J.K., Blatt, S.R., Campbell, M.C., Kasha, H., Schwarz, C.B., Benenson, G., Larsen, R.C., Leipuner, L.B., Morse, W.M., Lorenz, R.R., Sims, W.P. Brookhaven FASTBUS ADC's 4—29946
Schmidt, M.W. *see* Smith, V.L. 4—43848
Schmidt, P.C. *see* Hocke, J. 4—38234
Schmidt, P.E., Callarotti, R.C. Theoretical and experimental study of the operation of ovonic switches in the relaxation oscillation mode. I. The charging characteristic during the off state 4—41664
Schmidt, P.E. *see* Callarotti, R.C. 4—41665
Schmidt, P.H. *see* Forrest, S.R. 4—30591, 4—51830
Schmidt, R. Laboratory power supplies 4—29634
Schmidt, R., Zillich, H. Control and automation technology 4—45190
Schmidt, R.L. *see* Eng, K.Y. 4—32913
Schmidt, R.O. New mathematical tools in direction finding and spectral analysis 4—53583
Schmidt, R.W. Top-Band power punch 4—50984
Schmidt, V. The stationary waiting time process in single-server priority queues with general low priority arrival process 4—46084
Schmidt, W. Protocol design of the EC 900 cellular radio system 4—60714
Schmidt, W. *see* Quanz, K.-H. 4—57665
Schmidt-Burr, P. Energy optimisation in textile production processes 4—57647
Schmidt-Harms, C.A. Velocimetry of moving phase plates using laser speckle patterns 4—55700
Schmidt-Weinmar, H.G. *see* Andor, L. 4—36532
Schmidt-Weinmar, H.G. *see* Baltes, H.P. 4—52046
Schmidthaus, W. *see* von Bally, G. 4—47516
Schmiedeberg, G., Schopflin, U. Volume transformer as additional device for flowmeters with frequency-analogue output signal 4—39359
Schmiedt, B. *see* Metzger, M. 4—36456
Schmiele, R. *see* Henchoz, P.-D. 4—42546
Schmiessek, C. A futuristic microwave instrument 4—44469
Schmiessek, C. Analysis of transmission lines—for frequencies between 2 MHz and 18 GHz 4—48698
Schmincke, H. Faster and more thoroughly informed by Teletex 4—32269
Schmit, J.L. Growth, properties and applications of HgCdTe 4—30327
Schmit, R. *see* Ghosh, d. 4—33747
Schmitt, A. Substitution effects of Maglev on the Frankfurt-Paris route 4—35000
Schmitt, C. *see* Schattat, S. 4—40647
Schmitt, C.H. Geosynchronous satellite log 4—54656
Schmitt, D. *see* Lecomte, R. 4—39539
Schmitt, D. *see* Petrillo, G.A. 4—39450
Schmitt, D.G. *see* Jackson, N.M., Jr. 4—56156
Schmitt, F., Su, L.M., Franke, D., Kaumanns, R. A new open diffusion technique using evaporated Zn_3P_2 and its application to a lateral p-n-p transistor 4—52066
Schmitt, G.P. *see* Ellis, T.E. 4—46670
Schmitt, H., Muser, H.E., Karthein, R., Kleer, G. Properties of undoped and doped ferroelectric lead germanate thin films 4—30847
Schmitt, H. *see* McMurray, W.R. 4—33585
Schmitt, J.R., Jr. Networking solutions for the 80s 4—60541
Schmitt, M.J. *see* De Hope, W.J. 4—36210
Schmitt, R. *see* Basu, M. 4—55958
Schmitt, R.M., Carson, P.L., Meyer, C.R., Chenevert, T.L., Bland, P.H., Slayton, M.H. Angular response of cut and uncut piezoelectric array receivers using ceramics with high and low planar coupling 4—56368
Schmitt, W.J. *see* Kelly, M.J. 4—44424
Schmitter, K.H. *see* Pfirsch, D. 4—34322
Schmittroth, F.A. *see* Gold, R. 4—39459
Schmitz, C., Hingarh, H.K., Brown, M., Kwan, H., Vithayathil, J. An ECL field programmable logic array 4—51173
Schmitz, F.H., Boxwell, D.A., Lewy, S., Dahan, C. Model- to full-scale comparisons of helicopter blade-vortex interaction noise 4—61869
Schmitz, N., Greiner, J. Software aids in PAL circuit design, simulation, and verification 4—46417
Schmitz, V., Muller, W., Schafer, G. Flaw sizing and flaw characterization with HOLOSAFT 4—46269
Schmitz, W. 'Intelligent burn-in', functional testing during ageing 4—40836
Schmohl, H.-B. *see* Salomon, P. 4—43690
Schmuck, H. *see* Wickert, K. 4—61341
Schmunk, R.E., Becker, H. Irradiation and testing of SPAULRAD-S for fusion magnet applications 4—59176
Schnabel, P. *see* Hennings, D. 4—36921
Schnabel, R. Contactors and interface modules for solid-state control systems 4—57241
Schnabel, R. Reliable switching with contactors 4—57243
Schnabel, R. *see* Kolpin, T. 4—57264
Schnathorst, V. *see* Finegold, L. 4—58289
Schnathorst, V. *see* Woodruff, R. 4—58480
Schnauber, H. *see* Kesthans, K.-F. 4—45750
Schneck, R.W. Process factors for electroforming video discs 4—32983
Schneider, A. *see* Dittmer, H.J. 4—34409
Schneider, A. *see* Lang, R.H. 4—32658
Schneider, A.F. *see* Brous, J. 4—41702
Schneider, B. *see* Fregil, F. 4—59025
Schneider, C. *see* Brunel, F. 4—32194
Schneider, D.J. Logic probe has memory 4—51116
Schneider, F.B., Gries, D., Schlichting, R.D. Fault-tolerant broadcasts 4—43747
Schneider, G. 484 electronic terminator reduces cabling costs in the SIMATIC S5 programmable controller system 4—51601
Schneider, G.T., Turbes, C.C., Morgan, R.J. Software correction of the analog-to-digital converter (ADC) sequence errors for the cross-phase spectrum 4—51329
Schneider, H. Network controller chip prevents host interface tie-ups with 2 DMA channels 4—60506
Schneider, H. *see* von Golitschek, M. 4—46123
Schneider, H.G. *see* Junghans, B. 4—30224
Schneider, J., Schwerdt, F. Method of producing printed circuits by the additive process 4—36141
Schneider, J. *see* Jung, R. 4—62560
Schneider, K. *see* Kellermeier, H. 4—33947
Schneider, K.S., Chu, Y.H. The survivability of the packet radio network 4—32648
Schneider, L. *see* Hasse, L. 4—51004
Schneider, L.M. Noise source equivalent circuit model for off-line converters and its use in input filter design 4—35576
Schneider, M. Modern shortwave receivers for radio listeners 4—61015
Schneider, M. *see* Aziz, A.K. 4—57986
Schneider, M.C. *see* Bodinaud, J.A. 4—47015
Schneider, P.J. *see* Verbeek, H. 4—61637
Schneider, R.T., Long, J.F., Wehling, M.F. Pattern recognition with multiaperture optics system 4—53847
Schneider, R.T. *see* Cox, J.D. 4—52862

Schneider, W.R. *see* Zeller, H.R. 4—52323
Schneiderhan, M. *see* Baier, H. 4—30489, 4—31955
Schneiderheinze, W. Project compatible procedures for a floating minimisation and its application to the linear rearrangement problem theory 4—35414
Schneiderheinze, W. Extension of unconstrained minimization methods to linearly constrained problems 4—46157
Schneiderka, M. Self-excitation of asynchronous generators 4—57003
Schneir, J. *see* Himpsel, F.J. 4—56047
Schnell, E., Rethfeldt, C., Fielder, H., Lammerzhal, M. On toner charge of one-component toners 4—37545
Schnepple, W. *see* Finger, M. 4—33712
Schnepple, W.F. *see* Iwanczyk, J.S. 4—33709
Schnepple, W.F. *see* Schieber, M. 4—29463
Schnetzler, R.J. *see* Chirico, C. 4—36155
Schnieder, E. Control policies for maglev vehicles employing synchronous long stator drives 4—50178
Schnirel, K., Reichert, K., Bauer, G., Roditi, V. Transient and temporary overvoltages 4—45148
Schnitter, N.J. The evolution of buttress dams. I 4—56875
Schnitter, N.J. The evolution of buttress dams. II 4—62269
Schnittler, C. *see* Kelber, J. 4—30700
Schnitzler, R. The proper pacer for the patient 4—33879
Schnorr, C.P. *see* Ong, H. 4—53430
Schnug, A. The electricity supply industry in West Germany 4—44938
Schnurer, M. *see* Jung, T. 4—30441
Schnurr, A.D. *see* Chao, S.L. 4—53019
Schnurr, L. Cellular radio options 4—48414
Schober, G. *see* Borgese, D. 4—62461
Schobi, P. *see* Wah, P.K.S. 4—37900
Schoch, K.F., Jr. Conductive polymers: new materials for microelectronics 4—36153
Schoch, M. On the equivalence of the universal quadratic optimisation problem to a linear parametric complementary optimisation problem 4—46155
Schock, A. MITG post-test analysis and design improvements 4—34955
Schock, A. Revised MITG design, fabrication procedure, and performance predictions 4—34956
Schock, A. MITG test assembly design and fabrication 4—40504
Schock, H. *see* Hideshima, M. 4—30153
Schodowski, S. *see* Rosati, V. 4—29703, 4—30917
Schodowski, S.S. *see* Rosati, V.J. 4—30918
Schoeck, K.O., Kobylecky, G.M. Computerized test techniques for instrumentation magnetic tape recorders 4—48736
Schoemaker, D. *see* De Maziere, M. 4—31464
Schoeman, J.J. *see* van Wyk, J.D. 4—34554, 4—34904
Schoen, A. *see* Miller, K.A. 4—54658
Schoen, D.A. *see* Otawa, T. 4—34254
Schoen, J.M. *see* Close, A.D. 4—52165
Schoen, J.W. *see* Von Holle, A.L. 4—31025
Schoen, P.E. *see* Goldberg, L.S. 4—52936
Schoenberg, A. *see* Arieli, R. 4—37155
Schoenberg, A. *see* Katzir, A. 4—59231
Schoenborn, B.P. *see* Wise, D.S. 4—56061
Schoenfeld, K. *see* Crisafi, F. 4—29227
Schoenthaler, D. Soldering surface mounted chip carriers to printed circuits. II 4—41695
Schoenwald, J.S., Martin, J.F. PVF_2 transducers for acoustic ranging and imaging in air 4—56360
Schoenwetter, H.K. AC voltage calibrations for the 0.1 Hz to 10 Hz frequency range 4—39252
Schoepp, K. *see* Makowski, K. 4—34644
Schoeps, D., Gerke, W.-D. Automatic soldering of printed circuits 4—29226
Schoeps, W. *see* Bertl, W. 4—33757
Schofield, J. *see* Pollock, W. 4—52400
Schoknecht, W.E. *see* Haas, W.H. 4—53788
Scholl, E., Bimberg, D., Schumacher, H., Landsberg, P.T. Kinetics of picosecond pulse generation in semiconductor lasers with bimolecular recombination at high current injection 4—42645
Scholl, H.E. *see* Bimberg, D. 4—37361
Schollmeyer, H., Warscheid, W. Low frequency sine wave generator with high output voltage amplitude 4—29704
Scholten, J.G.A. Modeling RF transistors when the heat's on 4—42021
Scholten, J.G.A. Thermal aspects of flange-mounted RF power transistors 4—57830
Scholtz, A.L., Philipp, H.K., Leeb, W.R. Receiver concepts for data transmission at 10 microns 4—60374
Scholtz, A.L. *see* Bonek, E. 4—60839
Scholtz, A.L. *see* Popescu, A. 4—60817
Scholtz, R.A., Welch, L.R. GMW sequences 4—47754
Scholtz, R.A. *see* Huang, N.K. 4—38091
Scholtz, R.A. *see* Kumar, P.V. 4—43042
Scholtz, R.A. *see* Sampaio-Neto, R. 4—37951
Scholz, B., Kroll, W. Bearing estimation in a shallow water environment using the eigenvector decomposition method 4—60922
Scholz, B. *see* Kroll, W. 4—61941
Scholz, E. Multimeter trio. Digits and bars 4—33345
Scholz, E. *see* Neumayr, H. 4—39704
Scholz, H.N. *see* Harrington, J.T. 4—58345
Scholz, K.W., Lapin, S.P. A hierarchical factory automation system for control of semiconductor assembly 4—58672
Scholz, M., Teuchner, K. Investigation of the radiation properties of a TEA-nitrogen laser 4—52888
Scholz, R. Numerical solution of the obstacle problem by the penalty method 4—41017
Scholz, R.A. *see* Al-Quaddoomi, S.A. 4—43056
Scholz, W. *see* Homan, C.G. 4—42816
Scholz, W. *see* Schroeder, E.F. 4—43191
Scholze, W. *see* Kastens, T. 4—56821
Schomer, E. Development of procedures for examination, decontamination, and fuel element monitoring 4—34405
Schomers, J. Digital wideband coupling field with a monolithic integrated coupling matrix 4—35903
Schon, H. The Federal German Post Office in its endeavours towards the integrated services digital networks (ISDN) 4—54085
Schon, K.-R. *see* Gonauser, E. 4—51131
Schonbacher, H. Experience with cables used in radiation areas at CERN 4—59080
Schonbein, R. *see* Korn, A. 4—38079
Schonecker, H.G. *see* Schellhaas, H. 4—32307, 4—60481
Schonfeld, R., Buchner, P. Demonstration of continuous and discontinuous drive regulation by means of the iterative analogue computer 4—40529
Schonfeld, R., Gottschalk, H.-P., Lappat, A., Loginow, A., Zenkel, D. Adaptive control of servomotors 4—57090
Schonfeld, R., Guldner, H., Habiger, E., Paulig, E., Seefried, E., Winkler, G. Use of microelectronics in electrotechniques 4—36696
Schonfelder, H. Improvement of PAL picture quality using digital interframe techniques 4—48573
Schonfelder, V., Diehl, R., Lichti, G.G., Steinle, H., Swanenburg, B.N., Deerenberg, A.J.M., Aarts, H., Lockwood, J., Webber, W., Macri, J., Ryan, J., Simpson, G., Taylor, B.G., Bennett, K., Snelling, M. The imaging Compton telescope COMPTEL on the Gamma Ray Observatory 4—33779
Schonherr, G. *see* Ries, B. 4—51740
Schonherr, K. The realization of a power plant model for specialized automation engineering investigations as exemplified by a 815 t/h steam generator 4—56850
Schonherr, S. The problem of allocation of storable resources to activities of a network model 4—35409
Schonholzer, E.T., Bernegger, W. Nondeadband reversing control of linear induction motor 4—49897
Schoniger, K. Hybrid integration approach synthesizes design and construction technologies 4—41740
Schoning, J., Wachholz, W. HTR 500—technology, safety and economy 4—62285
Schoning, J. *see* Baust, E. 4—45257
Schoning, J. *see* Wittchow, G. 4—45256
Schooley, J.F. National bureau of standards (Gaithersburg) 4—33087
Schooley, J.F. *see* Hurley, C.W. 4—38997
Schooley, L.C. *see* Hohl, J.H. 4—41435
Schoot, J.J.van der *see* van der Schoot, J.J.
Schopf, H.-J. Stress- and strain analysis in the construction of motor cars 4—50252
Schopflin, U. *see* Schmiedeberg, G. 4—39359
Schoppen, M. *see* Heinrich, P. 4—50243
Schopper, E. The ELIN-DIAGNOSESYSTEM for large electrical machines 4—56922
Schopper, H. Elementary particle physics—where is it going? 4—33556
Schorb, H., Burkhardt, H. The maximum 'a posteriori' restoration of distorted images when considering known limitations in the picture signals 4—38087
Schorb, H., Burkhardt, H. An efficient algorithm for constrained image restoration with the Viterbi algorithm 4—53812
Schore, G. Economic recovery systems for the printed circuit industry by radiation grafted structures 4—51652
Schorer, E. Variable audio bandpass filter with high skirt selectivity 4—51392
Schorer, G. *see* Garben, B. 4—42104
Schorlemmer, U. Experience with space heating heat pumps in complex installations 4—45763
Schornack, W. Operation and servicing of the partially integrated vertical deflection system. II. [TV system] 4—32928
Schorner, R. *see* Blumenstock, K. 4—30462
Schorner, R. *see* Hezel, R. 4—51894
Schorr, B. *see* Townsend, D. 4—39528
Schorr, M.M., Walkley, W.W. The impact of recent legislative and regulatory incentives on cogeneration 4—49655
Schorrig, H. *see* Kochendorfer, W. 4—29924
Schoss, M. Computation of line transformation 4—37687
Schotanus, P. *see* Salemink, H.W.M. 4—54891
Schotola, T. On the use of demisyllables in automatic word recognition 4—43239
Schott, H.J. *see* Hofmann, S. 4—56013
Schott, J.-P., McClellan, J.H. Maximum entropy power spectrum estimation with uncertainty in correlation measurements 4—47833
Schoustra, S.A. *see* Knip, J. 4—44460, 4—44461
Schouten, M. *see* Allison, W.W.M. 4—61683
Schowenwetter, H.K. A programmable precision voltage-step generator for testing recorders 4—44526
Schrack, R.A. A microchannel plate neutron detector 4—55825
Schrader, A. Teletex branch exchange; improvements of external and internal communications 4—60422
Schrader, M., Weiss, H. Determining the thickness distribution in surface layers 4—61531
Schrader, M. *see* Hinkel, H. 4—37025
Schrader, P. Cost bearer invoicing as basis of price control at the Bewag 4—44975
Schrage, G.S. Is there a satellite in the rural telco sky? 4—48439
Schramke, R.W. The hills are alive . . . with the synthesis of music [digital synthesizers] 4—55103
Schramm, H.H. Switchgear development 4—40349
Schramm, H.H. *see* Bettge, H. 4—45559
Schranner, M. *see* Huttenloher, D. 4—45753
Schreiber, H.P. *see* Sacher, E. 4—35506
Schreiber, K., Hayn, H. Network operation in the network command centre of the HEAG 4—34170
Schreiber, R. On the systolic arrays of Brent, Luk, and Van Loan 4—53590
Schreier, P.G. RS-232C-based data-acquisition modules isolate and float all analog inputs 4—48784
Schreier, P.G. Conditioners yield smooth inputs to line-sensitive μC systems [and power-source product guide] 4—62612
Schreiter, G. *see* Fischer, H. 4—48246
Schreiter, W. *see* Mannel, F. 4—42042
Schrempf, B. Electrically driven space heating heat pumps—test results 4—45764
Schrenk, G.L. Interference management in cellular system design 4—60730
Schreter, U. *see* Rav-Noy, Z. 4—52114
Schreurs, C. *see* Fork, K. 4—39960
Schreyer, G.W. 'High power S-band transistors for telemetry' 4—51546
Schreyer, M. *see* Altmann, G. 4—45483
Schrieffer, J.R. *see* Arovas, D. 4—51737
Schrijver, A. Proving total dual integrality with cross-free families—a general framework 4—35401
Schroder, B. Universal IC test systems 4—52180
Schroder, B. *see* Muller, W. 4—58053
Schroder, D. *see* Kennel, R. 4—57203
Schroder, D.K. Effective lifetimes in high quality silicon devices 4—36609
Schroder, D.K., Meier, D.L. Solar cell contact resistance—a review 4—45643
Schroder, D.K., Whitfield, J.D., Varker, C.J Recombination lifetime using the pulsed MOS capacitor 4—39267
Schroder, D.K. *see* Meier, D.L. 4—45644
Schroder, E.F. *see* Porges, I. 4—44207
Schroder, F., Strole, A. Coupling measuring equipment through an optical fibre bus 4—44108
Schroder, H. Strain sensors in weighing technology 4—55397
Schroder, H. On line-free and flicker-free television reproduction 4—60170
Schroder, H. *see* Brosch, P.F. 4—49953
Schroder, J. Numerical error bounds for fourth order boundary value problems, simultaneous estimation of $u(x)$ and $u''(x)$ 4—57987
Schroder-Limmer, W. Music with microcomputers. Analogue and digital synthesisers 4—44313
Schroeder, C.M. *see* Paek, U.C. 4—31111, 4—52671
Schroeder, E.F., Scholz, W. Near-instantaneous companding with adaptive quantization 4—43191
Schroeder, G. Trends in the development of eddy current equipment for aircraft maintenance 4—41127
Schroeder, H.J., Hartmann, J. Referenzmaterial und Kalibrierdienste fur magnetische Datentrager - Ein Uberblick uber Entwicklungsarbeiten und Ergebnisse (Reference material and calibration for magnetic data storage - An overview of development work and results) 4—42264
Schroeder, J. Complementary output FET high current driver 4—41262
Schroeder, J.E. *see* Stone, D.C. 4—30763, 4—36918
Schroeder, K. *see* Raizada, V. 4—55771
Schroeder, L. *see* Doyle, P. 4—45244
Schroeder, L.S. High energy nuclear beams at Berkeley—present and future possibilities 4—39378
Schroeder, M. *see* Atal, B.S. 4—43286

Schroeder, M. *see* Lee, G. 4—29823
Schroeder, M.R. Digital coding of speech signals 4—31905
Schroeder, M.R. Linear prediction, entropy and signal analysis 4—60024
Schroeder, P.S. *see* Friedel, H.N. 4—32561
Schroeder, W.W. *see* Love, G.R. 4—58563
Schroer, W. *see* Form, P. 4—33941
Schrofel, J. *see* Janta, J. 4—47247
Schroller, R., Ihle, K.H., Madler, E. Programmed beam deflection for electron guns high power. II 4—45794
Schroter, W. The regional European telecommunications system of EUTELSAT 4—60795
Schrother, G. *see* Kolpin, T. 4—57287
Schrottke, G., Talkington, A.L. Surface-mounted capacitors [for printed circuit cards] 4—51567
Schruben, J. *see* Hopkins, R.H. 4—29458
Schryer, D.R. *see* Rogowski, R.S. 4—52877
Schryver, F.de *see* de Schryver, F.
Schub, P. *see* Heitmann, H.G. 4—34329
Schubert, B. *see* Dines, S. 4—35848, 4—39058
Schubert, C.C. *see* Fang, P.H. 4—34891
Schubert, D. *see* Meffert, B. 4—37945
Schubert, F. Laser-optical measurement of surface distortion with extreme dynamic loads 4—39309
Schubert, L.J. Finite element modeling of cooled high energy optical elements 4—47484
Schubert, P. *see* Bunzel, E. 4—56924
Schubert, R., Bohmer, J. Access levels in a digital local message system 4—43800
Schubert, R.W. *see* Cronk, S. 4—56151
Schubert, R.W. *see* Hale, P.N., Jr. 4—49126
Schubert, W. *see* Eichhorn, K.F. 4—56144
Schuberth, W. *see* Buchtemann, W. 4—55258
Schuchard, M.E. *see* Borgwardt, L.C. 4—49803
Schuck, W.-D. The effect of the antenna pattern of a Doppler-radar on vehicular speedometry 4—53268
Schue, F. *see* Serre, B. 4—36382
Schue, R.E. *see* Crawford, J. 4—41359
Schueler, S.D., Green, W.J. Developments in additive circuitry using polymer thick film materials 4—41679
Schuessler, R. Linking the continents, the first cable crossing 4—54614
Schuessler, R. In that vast array of features and options lies a scope for you 4—61442
Schuette, B. *see* Bergmann, F. 4—50276
Schuetz, L.S. *see* Lagakos, N. 4—52637
Schuffler, D. *see* Gronau, M. 4—30950
Schuffny, R. *see* Schaarschmidt, J.S. 4—30772
Schuh, C.F. Auxiliary exchanges in the wake of the computer 4—43872
Schukantz, J.H. *see* Li, S.T. 4—37631
Schul, I. *see* Ne'eman, Y. 4—34473
Schuler, A. A comparison between electron and laser beam technologies 4—59667
Schuler, A. A universal system for coupling biomedical signals to microcomputers 4—61754
Schuler, D.L., Plant, W.J., Reeves, A.B., Peng, W.P. The two-frequency microwave ocean wave scatterometer—a new approach 4—56319
Schuler, G. *see* Beer, A. 4—61682
Schuler, N.W. *see* Racich, J.L. 4—52748
Schulke, W., Mourikis, S., Liedtke, K.D. A Ge solid state detector as an X-ray filter with a 5 eV bandpass at 11.1 keV 4—55840
Schulke, W., Nagasawa, H. Performance of a spherically bent crystal spectrometer for inelastic scattering experiments with synchrotron X-radiation 4—56062
Schull, D. *see* Sjoreen, T.P. 4—61686
Schuller, P.G. *see* Janzen, G. 4—36200
Schuller, P.G. *see* Thumm, M. 4—36212
Schuller, P.G. *see* Zhang, Z.X. 4—36199
Schulman, J.D. Interference considerations for Intelsat Earth stations 4—44045
Schulte, H.J. Transmission tests during the SL lightwave submarine cable system sea trial 4—60834
Schulte, R.P. *see* Darlington, H.T. 4—56459
Schulte, R.P. *see* Scheidt, J.L. 4—56461
Schultheib, U. *see* Becker, T. 4—47630
Schultheis, R., Queck, T. Thermoelectric cooling device for cryoprecipitation by plasma separation 4—56067
Schultheiss, P.M. *see* Ashok, E. 4—60925
Schultrich, B. Fracture stochastics—the field-induced statistical failure of large systems 4—50643
Schultz, D. *see* Preckshot, N.E. 4—30765, 4—36830
Schultz, E. Using the PCM 30 system in the German state railways. IV. Measuring techniques 4—32496
Schultz, F.J. The place for videotex in the bank of the future 4—48157
Schultz, G.V. *see* Durwen, E.J. 4—36077
Schultz, G.V. *see* Roser, H.P. 4—38757, 4—48905, 4—59429
Schultz, G.V. *see* Sauter, E. 4—53291
Schultz, H. Medical application of Bildschirmtext, as seen by the specialist publisher 4—54304
Schultz, J. Phased arrays for communications satellites 4—31794
Schultz, J. *see* Jones, T.W. 4—55811
Schultz, J. *see* Mohsen, A. 4—51193
Schultz, J.B. Navy, DARPA evaluate blue-green lasers as communications link with submarines 4—32795
Schultz, J.B. Marines put F/A-18s to test 4—33911
Schultz, J.B. PLRS, PIH to improve tactical battlefield operations 4—38145
Schultz, J.B. Fiber optic cables and connectors offer performance improvements to military systems 4—48472
Schultz, J.J. CQ reviews: the Mirage (KLM) HF/VHF wattmeter/SWR units 4—33329
Schultz, J.J. A portable QRP station the easy way 4—48394
Schultz, J.J. CQ reviews: the Cushcraft A4 tribander 20, 15, 10 meter beam 4—59880
Schultz, J.J. CQ reviews: The MFJ-202B RF noise bridge 4—61453
Schultz, J.K. *see* Jensen, E.H. 4—34398
Schultz, K.G. Test report: Sennheiser 'Mikroport'. Rid of the umbilical cord 4—38942
Schultz, K.G. Real time transient voltage signal logger 4—55529
Schultz, M. *see* Loffel, H. 4—62409
Schultz, P.C. Minitutorial: optical fibers 4—52615
Schultz, T.W. Facing the world 'out there' 4—35187
Schultz, W. Speeding up the very high voltage transistor 4—35629
Schultz, W. High current FETs—a new level of performance 4—47048
Schultz, W. Smart-power process puts overvoltage protection on chip 4—50934
Schultz, W. Multichip power MOSFETs beat bipolars at high-current switching 4—52282
Schulz, E. *see* Hilgarth, J. 4—36561
Schulz, H. Quality assurance of polymer concrete 4—50841
Schulz, H.J. Tips for circuitry operation: automation of a wireless set 4—60647
Schulz, M., Weiss, H. *(editor)* Landolt-Bornstein numerical data and functional relationships in science and technology. New series. Group III: Crystal and solid state physics. Vol.17. Semiconductors. Subvol.c. Technology of Si, Ge and SiC 4—29119
Schulz, R.A. Linear DC brushless motor 4—62557
Schulz, S. *see* Heidelberg, G. 4—50153
Schulz, T. Power-MOSFETs with 5 V gate potential 4—30627
Schulz, T. *see* Heidelberg, G. 4—50153
Schulz, V., Stehfest, H. Regional energy supply optimization with multiple objectives 4—62062
Schulze, H. *see* Ambrosy, A. 4—34011
Schulze, H.-P. *see* Laurent, K.-H. 4—57617
Schulze, J. *see* Jung, T. 4—30441
Schulze, U. Electronic publishing 4—54158
Schulze, W. *see* Schumann, P. 4—34704
Schumacher, D. *see* Ho, C.Y. 4—58430
Schumacher, H. Characteristics of ergonomics. II. Methodology of labor planning 4—29217
Schumacher, H. *see* Hagedorn, P.J. 4—50155
Schumacher, H. *see* Scholl, E. 4—42645
Schumacher, J. *see* Theysohn, H. 4—61788
Schumacher, K., Kemling, W. Optical data transmission in industry 4—54836
Schumacher, K., Taubitz, G. Optical data transmission in industrial application 4—38608
Schumacher, R.W. *see* Dolezal, F.A. 4—52836
Schumacher, W. *see* Kratz, G. 4—33195
Schumaker, B.L. Noise in homodyne detection 4—37932
Schuman, H.K., Pflug, D.R., Thompson, L.D. Infinite planar arrays of arbitrarily bent thin wire radiators 4—47694
Schumann, F., Tietgen, K.-H. Temperature stabilization of laser diodes 4—42623
Schumann, P., Schulze, W. Synchronous-synchronous transformer substations for the power supply of traction units 4—34704
Schumann, R., Parker, W. A 32 b interface chip 4—51388
Schumicki, G. *see* Nachbauer, W. 4—36459
Schunemann, K. New developments in waveguide circuit technology 4—36040
Schuocker, D., Abel, W. Material removal mechanism of laser cutting 4—59665
Schupp, J. *see* Steiner, J. 4—45769
Schuppe, W.-D. *see* Franke, H. 4—56618
Schure, A. The fourth wave. [Optical commercial development prospects] 4—59269
Schurig, C., Dannwolf, S. Using the new ultra short wave radio frequencies 4—54952
Schuringa, T.M. Planning and specification of telecommunication networks in low-income rural areas 4—54132
Schurle, B., Aeschlimann, H. Electronically regulated rotational speed of squirrel-cage motors 4—57006
Schussler, H. Strategies for the introduction of optical cable systems 4—44112
Schussler, H. Cable or waveguide networks? 4—60859
Schussler, H.H. Mechanical surface scanning with external force and passive feeler at a laser interferometer displacement comparator 4—55697
Schussler, H.-H. Master pieces for coordinate measuring machines, machine tools and measuring robots 4—49013
Schussler, H.W., Steffen, P. On the reconstruction of a smooth function out of its samples 4—51397
Schuster, H.J., Hora, C.J., Lindermann, H., Plewnia, A. Applications of the Type 300 minicomputer system at the PTB Institute, Braunschweig 4—43817
Schuster, M.D., Bryant, R.E. Concurrent fault simulation of MOS digital circuits 4—42173
Schuster, M.R. *see* Jirmann, J. 4—59571
Schuster, S., Chappell, B., DiLionardo, V., Britton, P. A 20 ns 64K NMOS RAM 4—51241
Schuster, S. *see* Chappell, B. 4—51235
Schutkeker, J.B. *see* Kreischer, K.E. 4—36204
Schutte, U., Beck, H.-P. The telephone line doubler (TLD) 4—38353
Schutz, A., Selberherr, S., Potzl, H.W. Temperature distribution and power dissipation in MOSFETs 4—47052
Schutz, J.D. *see* Kung, R.I. 4—51247
Schutz, L.V. Digital storage oscilloscope for servicing 4—39210
Schutz, R. Arbitrary-waveform generators provide versatility and utility 4—39201
Schutz, R.J. *see* Heimann, P.A. 4—46952
Schutz, R.J. *see* Vaidya, S. 4—42013
Schutzer, D. Applications of artificial intelligence to military communications 4—38449
Schuweiler, L.G. Tune up your MDS downconverter 4—60770
Schuy, D. *see* Moderndorfer, B. 4—56673
Schuy, S., Wach, P. Theoretical and experimental methods for dimensioning space-screening against 50 Hz magnetic fields 4—42877
Schwab, D.J. *see* Gilbert, B.K. 4—51103
Schwab, F.R. Relaxing the isoplanatism assumption in self-calibration; applications to low-frequency radio interferometry 4—60942
Schwab, F.R. *see* D'Addario, L.R. 4—54926
Schwabe, U., Jacobs, E.P., Takacs, D., Burker, U. n- and p-well optimization for high-speed n-epitaxy CMOS circuits 4—30788
Schwabe, U., Neppl, F., Jacobs, E.P. $TaSi_2$ gate for VLSI CMOS circuits 4—52292
Schwabe, U. *see* Fischer, F. 4—36726
Schwabe, U. *see* Takacs, D. 4—36836, 4—36855
Schwabe, U. *see* Widmann, D. 4—36914
Schwager, B. Programmable digital long-period timer SAB 0529. II. Circuit applications 4—46593
Schwall, R.E., Ozeryansky, G.M., Foner, S., McNiff, E.J. Critical current and upper critical field of multifilament $Nb_{3-x}Ta_xSn$ superconductor 4—52479
Schwanda, G. *see* Thoma, H. 4—49316
Schwandt, H. An interval arithmetic approach for the construction of an almost globally convergent method for the solution of the nonlinear Poisson equation on the unit square 4—41009
Schwartau, P. *see* Geppert, R. 4—53578
Schwarte, R. Performance capabilities of laser ranging sensors 4—60916
Schwartz, A.A. A fast APL algorithm for logic minimization 4—58943
Schwartz, B. Microelectronics packaging. II 4—45973
Schwartz, B., Focht, M.W., Dutta, N.K., Nelson, R.J., Besomi, P.R. Stripe geometry InP/InGaAsP lasers fabricated with deuteron bombardment 4—47464
Schwartz, B., Koszi, L.A., Anthony, P.J., Hartman, R.L. Thermal annealing of proton-bombarded GaAs and (Al,Ga)As 4—51780
Schwartz, B. *see* Capasso, F. 4—36536
Schwartz, B. *see* Downey, P.M. 4—59307
Schwartz, B.D. *see* Waters, R.G. 4—52959
Schwartz, D.A., Barnwell, T.P. A graph theoretic technique for the generation of systolic implementations for shift-invariant flow graphs 4—51457
Schwartz, D.A., Barnwell, T.P., III Increasing the parallelism of filters through transformation to block state variable form 4—60090
Schwartz, G. *see* Bellazzani, R. 4—33818
Schwartz, G. *see* Del Guerra, A. 4—33831
Schwartz, G.P., Gualtieri, G.J., Dubois, L.H., Bonner, W.A., Ballman, A.A. Free carrier reduction in vacuum-annealed S-, Sn-, and Ge-doped (100) InP 4—51991
Schwartz, H.M. Sensitivity analysis of an integrated NAVSTAR GPS/INS navigation system to component failure 4—61878
Schwartz, J. *see* Mountford, S.J. 4—44851
Schwartz, J.D., Burstyn, H.P. Computerized messaging systems: what lies ahead 4—48032
Schwartz, M. Modeling and queueing analysis in communication networks 4—31824
Schwartz, M.D. Interactive video 4—32966
Schwartz, M.I. Optical fiber transmission—from conception to prominence in 20 years 4—54767
Schwartz, P. For its tester networks Zehntel chooses Ethernet 4—32376
Schwartz, P. Voltage and current calibrators: increased precision and ease of use 4—33392
Schwartz, P. Modularity in measurement instrumentation, a concept which is being generalised 4—35309
Schwartz, P. For VLSI card testing, increased speed and software power 4—39023

Schwartz, P. A precision of 50 p.p.m. with a 200000 multi-meter for less than 10000 F 4−48931
Schwartz, P. The ETI STAD: from component testing to finished-product testing 4−55181
Schwartz, P. The functional test of the 80s: memory emulation 4−55182
Schwartz, P. In logic analysis, emphasis is placed on ease of use 4−55316
Schwartz, R., Chow, Y., Roucos, S., Krasner, M., Makhoul, J. Improved hidden Markov modeling of phonemes for continuous speech recognition 4−59995
Schwartz, R. *see* Jouvet, D. 4−59997
Schwartz, R. *see* Krasner, M. 4−53528
Schwartz, R.A. Semiconductor device with electrostatic dissipating magnet mounted thereon 4−36164
Schwartz, R.J., Gray, J.L. Performance limits of silicon concentrator cells 4−50085
Schwartz, R.N. *see* Efron, U. 4−42423
Schwartz, S. Significant factors in the development of the Stevens women in engineering programs 4−40746
Schwartz, S. *see* Hero, A. 4−46107, 4−60058
Schwartz, S. *see* Lyndon, J.T. 4−33007
Schwartz, S.C., Vastola, K.S. Detection of stochastic signals in narrowband non-Gaussian noise 4−47885
Schwartz, S.C. *see* Yeh, Y.S. 4−48403
Schwartz, S.S., Martin, S.J., Gunshor, R.L., Datta, S., Pierret, R.F. SAW resonators on silicon with ZnO limited to IDT regions 4−59116
Schwartzel, J. *see* Detaint, J. 4−30926
Schwarz, B. Converter-fed synchronous machine with high performance dynamic behaviour for servodrive application 4−50141
Schwarz, C. Munich KINDL−the Btx offerings of a municipality 4−54280
Schwarz, C.B. *see* Schmidt, M.P. 4−29946
Schwarz, D. *see* Rudolf, D. 4−34167
Schwarz, E., Rossdeutsch, K.-H., Spindler, J. Party Center 1000 and 2000 HiFi, the new Grundig portable stereo equipment 4−55124
Schwarz, E., Sokolowski, G. New machines for stringing light stranded conductors 4−39902
Schwarz, F.C. A multiphase converter with reversible flow of energy 4−57148
Schwarz, F.C., Moize de Chateleux, W.L.F.H.A. Multiphase converter for reversible direction of flow of power 4−45498
Schwarz, G. High-speed protection against interfering arcs in switching installations 4−57266
Schwarz, H.E., Mason, I.M. A new imaging proportional counter using a Penning gas improves energy resolution 4−49084
Schwarz, J. Autotrack system of a S-band receiving antenna 4−42954
Schwarz, J. Automatic telephone selection 4−48304
Schwarz, J. *see* Bongers, C. 4−34141
Schwarz, P. Digital current control of a six-pulse bridge converter 4−57204
Schwarz, S.E. *see* Rav-Noy, Z. 4−44447
Schwarz, S.E. *see* Wang, N. 4−46619
Schwarze, D. The cost and exploitation of local radio 4−54953
Schwarzenbach, H. *see* Lechner, H. 4−40258
Schwarzer, W., Eichner, W. The Nuclear Engineering Committee (KTA). Task, working method, results 4−40729
Schwarzmann, P., Erhardt, R., Kringler, W., Schlipf, W., Blanz, E., Reinhardt, E.R. FAZYTAN−a system for automated image evaluation 4−53870
Schwarzmann, W.A. Cosmic-ray-induced failures in spacecraft 4−49354
Schwarzott, W.J. *see* Benz, R.F. 4−44881
Schweber, B. Standards guide product designs 4−57803
Schwede, R., Taubert, G. A combined generation and heating plant by Stadtwerke Uelzen 4−45317
Schwee, L.J., Shephard, M.T., Hunter, P.E., Salton, F.G. A magnetic chain reaction and its application to digital pickup heads 4−31017
Schweer, R. *see* Hosticka, B.J. 4−46561
Schweickart, D.L. *see* Dunbar, W.G. 4−29271
Schweig, E., Bridges, W.B. Computer analysis of dielectric waveguides: a finite-difference method 4−42908
Schweiker, K.S. *see* Green, A.H., Jr. 4−54886
Schweitzer, E.O., III *see* Zocholl, S.E. 4−57014
Schweitzer, J.R. *see* Hale, P.N., Jr. 4−49126
Schweizer, W. *see* Grabowski, R. 4−49016
Schwenck, P., Sermund, G., Enge, W. Etch induction time measurements in Daicel cellulose nitrate 4−55863
Schwenke, H. Flow measurements taken in a clean workplace for microelectronics 4−33541
Schwenker, R.P. Signal-to-noise ratio, dynamic range and contrast sensitivity of radiographic imaging systems 4−49144
Schweppe, F.C. *see* Merrill, H.M. 4−45033
Schwerdt, E. Silicon rectifier diode SY 351 4−52059
Schwerdt, E. Fast rectifier diode SY356 4−58885
Schwerdt, F. *see* Hinkel, H. 4−36147
Schwerdt, F. *see* Schneider, J. 4−36141
Schwerhoff, U. *see* Komischke, M. 4−55398
Schwerin, C. Programmable combination lock 4−58479
Schwetz, R. How communications techniques change the office of today 4−54088
Schwiecker, H. Reactive evaporation for durable multilayer films of SiO_2/TiO_2 4−50824
Schwieger, B., Hayes, A. Design of new plants focuses on reliability, efficiency [steam power stations] 4−56836
Schwier, W. Failures of construction elements and the safety of electronic circuits in railway signalling technology 4−50176
Schwierz, G. The significance of algorithms for the generation of medical images 4−43459
Schwitz, W. *see* Beer, W. 4−49102
Schwuttke, G.H. *see* Kim, K.M. 4−29446, 4−50739
Sciarappa, A. European Videoconference Experiment (EVE): results of the field trials and problems connected with the start of this service 4−55077
Sciarappa, A. *see* Blyth, W. 4−61092
Sciarra, D. *see* Colla, A.M. 4−59991
Sciavicco, L. *see* Balestrino, A. 4−57405
Scidmore, P. *see* Ward, B.W. 4−49340
Scifres, D.R. *see* Streifer, W. 4−59526
Sciutto, G. *see* Denegri, G.B. 4−57487
Sciutto, G. *see* Girdinio, P. 4−56963
Scivier, M.S., Hall, T.J., Fiddy, M.A. Phase unwrapping using the complex zeros of a band-limited function and the presence of ambiguities in two dimensions 4−60189
Sclar, N. Asymmetries in photoconductive properties of donor and acceptor impurities in silicon 4−37195
Sclar, N. Development status of silicon extrinsic IR detectors. II 4−55469
Sclavos, S.D. A tester-per-pin approach to VLSI device testing 4−58967
Scmitt, Ch. *see* Maurer, K. 4−55847
Scobel, W. *see* Paasch, K. 4−39489
Scobey, I.H. *see* Todd, A.G. 4−46980
Scotoni, M. *see* Bassi, D. 4−33121
Scotson, E.A., Long, M.L. The testing and commissioning of the re-electrified Erie Lackawanna Railroad 4−57485
Scott, A. *see* Jacquez, A. 4−36219
Scott, A.J., Empson, T.R. Economic and physical criteria for optical defect detection or 'when to find the naughty bits' 4−55220
Scott, B. Control of the CEGB power system 4−39836
Scott, B.A., Olbricht, W.L., Meyerson, B.A., Reimer, J.A., Wolford, D.J. Homogeneous chemical vapor deposition 4−46242
Scott, B.A. *see* Green, D.C. 4−34880, 4−50814
Scott, B.N., Wuetele, M., Cregger, B.B. A GaAs monolithic voltage controlled oscillator 4−58530
Scott, C. Sounding out ultrasonic flowmeters 4−61581
Scott, C.J. Optimization of composition for Al_2O_3/P_2O_5-doped optical fiber 4−52645
Scott, D.M., Pai, C.S., Lau, S.S. Thin film reaction investigation by backscattering spectroscopy−W marker study of Pd_2Ge formation 4−51934
Scott, D.M. *see* Zhang, B. 4−36329
Scott, G., Smith, A.L.S. Stabilization of single mode TEA laser 4−52910
Scott, G. *see* Smith, A.L.S. 4−47415
Scott, G.J. *see* Michaelides, E.E. 4−56867
Scott, G.W., Gao-Zhi Shen, S., Cox, A.J. Tunable subnanosecond pulses from short cavity dye laser systems pumped with a nitrogen-TEA laser 4−31345
Scott, G.W., Wilreker, V.F., Shaltens, R.K. Wind turbine generator interaction with diesel generators on an isolated power system 4−45382
Scott, G.W. *see* Cox, A.J. 4−37333
Scott, J. Immersible heater 4−35045
Scott, J.R., Minasian, R.A. A simplified microwave model of the GaAs dual-gate MESFET 4−36594
Scott, K.E. Integrating a 'turnkey' CAD system into an innovative undergraduate engineering program 4−35182
Scott, M.C. *see* Thomas, P.M. 4−61725
Scott, M.W., Myers, G.D. Steady-state CO_2 laser model 4−59386
Scott, M.W. *see* Smith, D.L. 4−47323
Scott, P.D. *see* Nikias, C.L. 4−44743
Scott, R.D., Borgo, P.A. Puerto Rico wind energy resource assessment project 4−34255
Scott, R.E. Prospects for renewed nuclear power plant purchasing with standardization and regulatory reform a reality 4−49686
Scott, R.F. State of solid state: stereo-sound IC 4−44332
Scott, R.F. State of solid state [making true RMS measurements] 4−44570
Scott, R.F. State of solid state [power supply over/under voltage monitor] 4−58155
Scott, R.N. *see* Evans, H.B. 4−33876
Scott, R.P. A low cost 19 GHz radio sub-system for point-to-multipoint radio applications 4−54634
Scott, R.P. *see* Hewitt, M.T.H. 4−60677
Scott, T.J. How to avoid some common pitfalls of a local net installation 4−32339
Scott, T.R. Determining DC voltage ratings of insulated conductors 4−30858
Scott, T.R., Russell, T.R. Shielding techniques for communication cable−an update 4−47637
Scott, W.R. Heat rate and coulombic efficiency of nickel-hydrogen battery cells during simulated geosynchronous orbit cycling 4−40395
Scott Moore, J., Das, P. Hot carrier transient response in bulk III-V compounds 4−51777
Scotti, S. *see* Bartolucci, G.C. 4−59261
Scown, V.S. *see* Larsen, D.E. 4−61403
Scribano, A. *see* Amendolia, S.R. 4−49068
Scrivner, C., Travis, K.J., Jr. PYATS-3 ma process [IC test site technique] 4−52204
Scroggie, M.G., Amos, S.W. Foundations of wireless and electronics. Tenth edition 4−35124
Scrosati, B. Progress in and future development of ambient temperature lithium batteries 4−34849
Scrosati, B., Fornarini, L. $CdGeP_2$ photoelectrochemical cells 4−50055
Scrosati, B. *see* Bonino, F. 4−45598, 4−57307
Scrosati, B. *see* Fornarini, L. 4−40460
Sculfort, J.-L., Gautron, J. The role of the anion electronegativity in semiconductor-electrolyte and semiconductor-metal junctions 4−36363
Sculfort, J.-L. *see* Gautron, J. 4−36359
Scully, C. The search for cues (acoustic and articulatory analysis) 4−43234
Scully, M.O. *see* Becker, W. 4−47388
Scully, M.O. *see* Gea-Banacloche, J. 4−52841
Scurlock, L.D. Videos and optical recording 4−38851
Scurlock, R.G. *see* Britcher, C. 4−33921
Se Gon Choi, Hee Don Seo An experimental study on the low noise property of a bipolar junction transistor fabricated by HCl gettering 4−47014
Se Kwon Young *see* Young Se Kwon
Seabaugh, A.C. *see* Pande, K.P. 4−50779
Seacombe, R.J. The basics of cable TV engineering. IX. Receiving from satellites 4−38839
Seager, C.T. *see* Fahey, J.D. 4−60608
Sealy, B.J. *see* Shahid, M.A. 4−36395, 4−51874
Seaman, J. LANs ready 4−32352
Seaman, J. PABXs:I hitting the right buttons 4−32554
Seaman, J. Multi-function modems and muxes 4−38377
Seaman, J. LANs finally deliver on their promises 4−43760
Seaman, J. Working with analog, wishing for digital [PABXs] 4−48335
Seaman, J. *see* Kull, D. 4−38220
Seamone, W. *see* Schmeisser, G. 4−56164
Sears, A.R., Baliga, B.J., Barnicle, M.M., Campbell, P.M., Garwacki, W. High voltage, high speed, GaAs Schottky power rectifier 4−36544
Sears, F.M., Cohen, L.G. Measurements of the axial uniformity of dispersion spectra in single-mode fibres 4−59200
Sears, F.M., Cohen, L.G., Stone, J. Interferometric measurements of dispersion-spectra variations in a single-mode fiber 4−42366
Sears, F.M., Simpson, J.R. Polarization quality of high-birefringence single-mode fibers 4−37114
Sears, W.M., Fortin, E. Preparation and properties of Cu_2O/Cu photovoltaic cells 4−50835
Seary, J., McLane, P. A generalized receiver for correlatively encoded MSK modulations 4−31895
Seashore, C.R. Millimeter wave components for tactical systems 4−51544
Seaton, C.T. *see* Stegeman, G.I. 4−37441
Sebak, A.A., Shafai, L. Performance of various integral equation formulations for numerical solution of scattering by impedance objects 4−47569
Sebak, A.A., Shafai, L. Scattering by imperfectly conducting and impedance spheroids: a numerical approach 4−47603
Sebekin, I.S. *see* Kuznetsov, N.E. 4−40555
Sebene, C.A. *see* Bolmont, D. 4−41896
Sebestyen, I. *see* Maurer, H.A. 4−32304, 4−60441
Sebko, V.P. *see* Bondarenko, V.I. 4−35534
Sebo, S.A. The high voltage engineering program at the Ohio State University 4−45886
Secan, J.A. *see* Fremouw, E.J. 4−47611
Secen, W.G., Yasso, J.C. 34 kV brought directly into mine 4−56602
Sechen, C., Sangiovanni-Vincentelli, A. The TimberWolf placement and routing package 4−59002
Sechenov, D.A., Fomina, V.N., Bespyatov, V.V., Arushanov, A.P., Maizanov, B.T. Effect of structural defects on etching rate of silicon 4−30526
Sechi, F., Paglione, R., Periman, B., Brown, J.K. A computer-controlled microwave tuner for automated load pull 4−33133
Seck, J.P., Courvoisier, M., Geffroy, J.C. Control of access to a shared bus: arbiters 4−51384
Secker, A. *see* Lahoud, M.A. 4−56926
Secor, P. Microprocessor shrink methodology 4−51315
Secunde, R.R. New propulsion components for electric vehicles 4−40573

Sedding, H.G., Hogg, W.K., Miller, R. Surface flashover damage substructure in muscovite mica 4—59103
Seddon, N. *see* Jardine, P. 4—56145
Sedel'nikov, A.P. *see* Badalyan, A.M. 4—37287
Sedenquist, F.W. *see* Russel, R.F. 4—54880, 4—60909
Sedgley, D. *see* Erickson, J.L. 4—62336
Sedgwick, T.O. *see* Iyer, S.S. 4—47091
Sedlacek, J.H.C. *see* Graber, W.S. 4—59000
Sedlak, C.A. *see* Ganguly, A.K. 4—59380
Sedlak, C.A. *see* Jackson, R.H. 4—37275
Sedlov, A.S. *see* Sterman, L.S. 4—40110
Sedmak, R.M. A product life cycle view of design for testability 4—29221
Sednev, M.V. *see* Bovina, L.A. 4—52801
Sedov, A.N. *see* Lobova, S.M. 4—47092
Sedov, V.A. Digital device for shaping square and three-phase sinusoidal oscillations 4—39039
Sedykh, A.V. *see* Blikh, M.Kh. 4—51330
Sedykh, V.M. *see* Demisov, D.S. 4—41563
Sedykh, V.M. *see* Litvinenko, L.N. 4—41543
Sedykh, V.S. *see* Kosovich, V.A. 4—62860
Seefried, E. *see* Schonfeld, R. 4—36696
Seeg, W. *see* Miri, A.M. 4—49603
Seegal, R.H. Modern, active sonar AGC design considerations 4—60928
Seeger, B. Switching networks in watch and clock movements U130X, U131G and U132X 4—58423
Seeger, H. The customers taste as a defining quantity in operating controls for technical products 4—35346
Seeger, P.A. Multi-independent detector system 4—33185
Seeger, P.A. A fast parallel encoding scheme for the Anger camera 4—33701
Seeger, P.A. *see* Taylor, A.D. 4—56035
Seehausen, G. Controlling polarisation in conformal (angle preserving) groups of antennae with linearly polarised single beams 4—53314
Seelen, W.von *see* von Seelen, W.
Seelert, W. *see* Rauh, A. 4—45369
Seeley, J.S. *see* Hunneman, R. 4—37187
Seeley, R. *see* Hargreaves, T.A. 4—36202
Seelig, A. Now let your computer reach out [telephone management systems] 4—60571
Seelig, A. *see* Fleischmann, H. 4—45754, 4—45756
Seelig, W. High power gas lasers 4—53121
Seelinger, W. Videotex in the United States 4—43722
Seelinger, W.W. The outlook for corporate videotex 4—54235
Seers, K.J. An instrument for simultaneous measurement of Eh and pH in boreholes 4—56263
Seery, J.B. *see* Eaddy, D.A. 4—47877, 4—53627
Seetharaman, C.K. *see* Jordan, H. 4—34570
Seevinck, E., Wassenaar, R.F., Wong, H.C.K. A wide-band technique for vector summation and RMS-DC conversion 4—51502
Seewald, V. Optimal solution of the operation of cascades of hydroelectric power plants as a subsystem of the power system 4—56870
Seewald, V. Optimal control of stationary operational regimes of subsystems of hydroelectric power stations in real-time power system operation 4—62051
Sega, R.M., Genello, G.J. Infrared thermography techniques for EMI/EMC measurements 4—37622
Segal, A. *see* Corciovei, A. 4—41841
Segal, B.M. *see* Celandroni, N. 4—38571
Segal, E. *see* Pavelescu, C. 4—52004
Segal, R. Design automation and engineering organization structures 4—35272
Segal', R.B. *see* Zhermunskaya, L.B. 4—55550
Segal', V.M., Starodubtsev, Yu.N., Sokhina, E.I. Influence of annealing and elongation on the magnetic losses in anisotropic electrical engineering steels with forsterite coating 4—59128
Segal', V.M. *see* Starodubtsev, Yu.N. 4—59129
Segalen, A. *see* Charrat, O. 4—45187
Segall, A., Jaffe, J.M. A reliable distributed route set-up procedure 4—32122
Segall, A. *see* Sidi, M. 4—53969
Segall, S.B., Takeda, H., Von Laven, S., Diament, P., Ward, J.F. The KMS Fusion Inc. two-stage free electron laser program 4—47375
Segall, S.B. *see* Takeda, H. 4—47377
Segall, S.B. *see* Von Laven, S. 4—37273, 4—47475
Seger, G., Scheiding, U., Schmalfuss, H. Quality control by automatic optical inspection 4—55332
Seger, J.K. Reliability investment and life-cycle cost 4—50598
Segercrantz, J. On the existence of conjugate points for a constrained minimization problem 4—57063
Segerdal, A. Cashing in early on data delivery for the future 4—38280
Segerdal, A. Bringing world sport into your living room 4—44301
Segers, D.L., Wendell, D.L., Koesters, D.J. Circuit design methodologies 4—35812
Seggern, H.von *see* von Seggern, H.
Segovia, N., Cejudo, J. Radon measurements in the interior of household dwellings 4—56213
Segovia, N. *see* Lferde, M. 4—55940
Segovia, T.Perez *see* Perez Segovia, T.
Segredo, E. *see* Harper, J.M.E. 4—58682
Segrest, J.D. Advanced aircraft electric system 4—49433
Segui, Y. *see* Lacoste, R. 4—59059
Seguier, G. *see* Boulier, M. 4—49892
Seguin, F.H. *see* Burstein, P. 4—35525
Seguin, G. *see* Huang, J.F. 4—43106
Seguin, H.J.J., Seguin, V.A., Dow, J., Nath, A.K. A new calorimeter for intense laser radiation 4—31423
Seguin, M. Fibre optic data transmission and multi-service networks in industrial and urban environments 4—44076
Seguin, V.A. *see* Seguin, H.J.J. 4—31423
Segura, A., Pomer, F., Cantarero, A., Krause, W., Chevy, A. Electron scattering mechanisms in *n*-type indium selenide 4—41859
Segura, Kh. *see* Komarov, A.N. 4—34049
Sehgupta, K. *see* Ghosh, d. 4—33747
Sehlin, R.C. *see* Humphreys, D.Q. 4—57649
Sehmisch, D. *see* Kurz, G. 4—41237
Sehr, R. Plated promises and sputtering shipments characterize thin-film media makers [disc storage] 4—47191
Sehrig, G. *see* Kluwe, A. 4—31251
Seibt, B. *see* Kurfiss, B. 4—40821
Seibt, D., Breithardt, J., Wissing, W., Wachter, A. Topical Btx. IV 4—48069
Seibt, D. *see* Tiedemann, C. 4—38241
Seidel, A. *see* Muller, M. 4—44812
Seidel, D.B., Mendel, C.W., Jr. Particle simulations of transitions in magnetically insulated transmission lines 4—31720
Seidel, D.B., Olsen, J.N., Rosenthal, S.E. Electromagnetic particle simulations of self-magnetic-field-enhanced ion diodes 4—33626
Seidel, D.B. *see* Olsen, J.N. 4—33625
Seidel, H., Csepregi, L. Three-dimensional structuring of silicon for sensor applications 4—33238
Seidel, H. *see* Csepregi, L. 4—55396
Seidel, R. A method for proving lower bounds for certain geometric problems 4—47717
Seidel, T.E. Ion implantation 4—41971
Seidel, V., Sodan, H., Luk'yanov, S.M., Manfras, P., Penionzhkevich, Yu.E., Stari, F., Shilling, K.D. Position-sensitive ionization chamber for a flight-time spectrometer 4—39452
Seidenbusch, W., Lindemann, G., Lassnig, R., Edlinger, J., Gornik, G. Cyclotron resonance studies of screening and polaron effects in GaAs-AlGaAs heterostructures 4—51849
Seidensticker, R.G. *see* Hopkins, R.H. 4—29458
Seidl, M. *see* Greer, J.A. 4—44682
Seidler, H. *see* Figge, E. 4—30162
Seifert, F.J. *see* Kowatsch, M. 4—38446
Seifert, G. Application of CCD-sensors at image processing tasks 4—44438
Seifert, H. Structures on Josephson current-steps, bifurcation and chaos 4—31074
Seifert, W. *see* Olsen, R. 4—48223
Seiffert, K. *see* Heitmann, H.G. 4—34329
Seigel, L.J., Gorman, J.W., Lindenlaub, J.C. Online testing of computer programming skills 4—35210
Seigmund, D. Modelling of transmission lines with lumped parameters for the effective analysis of electromagnetomechanical transients in electric power systems 4—56558
Seikai, S. *see* Kato, Y. 4—38626
Seikai, S. *see* Ohashi, M. 4—47242
Seike, T. *see* Toda, K. 4—55498
Seikkala, S. *see* Kaleva, O. 4—40943
Seiler, A. *see* Feigerle, C.S. 4—36176
Seiler, D.G. *see* Littler, C.L. 4—37200
Seiler, N.C., Walker, S.S. A low bit rate, high quality formant-based speech synthesizer architecture 4—31935
Seiler, N.C. *see* Walker, S.S. 4—31936
Seiler, P. *see* Becker, U. 4—39412
Seilmeier, A. *see* Elsaesser, T. 4—37425
Sein, E. *see* Boutemy, J.C. 4—54844
Seino, S. The redefined metre 4—48679
Seiranyan, K.B. *see* Antipenko, B.M. 4—31362
Seisyan, R.P. *see* Gatsoev, K.A. 4—42467
Seitz, C. *see* Lutz, C. 4—41402
Seitz, N.B. User-orientation data communication performance standards 4—32172
Seitz, W.L., Stacy, H.L. Fabry-Perot interferometry using an image-intensified rotating-mirror streak camera 4—61247
Seiyama, T. *see* Kuwata, S. 4—48847
Sekar, R. *see* Tozzi, L. 4—35019
Sekey, A., Hanson, B.A. Improved 1-Bark bandwidth auditory filter 4—47801
Seki, H. *see* Fusaoka, A. 4—58969
Seki, K., Yamamoto, H., Sasano, A., Tsukada, T. Semitransparent silicide electrodes utilizing interaction between hydrogenated amorphous silicon and metals 4—30561
Seki, K. *see* Yamamoto, H. 4—44450
Seki, M. *see* Kitamura, M. 4—52993
Seki, M. *see* Okamoto, H. 4—46848
Seki, M. *see* Suzuki, Y. 4—29475
Seki, N. *see* Yamamoto, S. 4—31375
Seki, S., Unagami, T., Tsujiyama, B. p-channel TFTs using magnetron-sputtered Ta_2O_5 films as gate insulators 4—47041
Seki, S. *see* Kano, T. 4—42472
Seki, S. *see* Takita, K. 4—41946
Seki, T. *see* Nakayama, K. 4—51464
Seki, T. *see* Terada, M. 4—60590
Sekiguchi, A. *see* Hasegawa, K. 4—55850
Sekiguchi, H. *see* Midorikawa, M. 4—38527
Sekiguchi, H. *see* Ozawa, T. 4—30175
Sekiguchi, M. *see* Dhawan, S.K. 4—29947
Sekiguchi, T. *see* Yamaguchi, Y. 4—42870
Sekiguchi, Y. *see* Sakaki, H. 4—37360, 4—51844
Sekikawa, K., Ito, K., Teshima, K., Tanji, A., Matsushita, K. Optical analog baseband transmission using opto-electronic negative feedback and RF superposition 4—54827
Sekimoto, H. Monolithic crystal filters exhibiting improved symmetric passband characteristics by means of two-dimensional electrode arrangement 4—47156
Sekine, M., Dang, R. An algorithm for semiconductor device simulation using finite element method—a localized calculation approach 4—36520
Sekine, M., Musha, T., Tomita, Y., Hagisawa, T., Irabu, T., Kiuchi, E. Weibull-distributed weather clutter in the frequency domain 4—53633
Sekine, S. *see* Ando, S. 4—59650
Sekine, T. *see* Nakamura, T. 4—46601
Sekine, Y., Hatata, M., Yoshida, T. Recent advances in digital protection 4—62242
Sekine, Y., Matsushima, Y. Digital control applied to power system protection 4—39937
Sekine, Y. *see* Murata, A. 4—39890
Sekine, Y. *see* Oyama, T. 4—56496
Sekine, Y. *see* Sakuta, Y. 4—29700
Sekino, S., Tsukamoto, T., Yamazaki, Y., Araki, Y. International telex terminal type LT11A 4—54135
Sekino, Y., Shibata, M., Hotaka, N. Inverter output voltage waveform closed-loop control technique 4—50972
Sekistov, V.N. Applicability of Bourret and Kreychnan approximations to the solution of problems of propagation of coherent waves in a medium with strong random inhomogeneities 4—42865
Sekizawa, H., Yamada, K., Iwamoto, A. Disk-memory pregroove inspection 4—59653
Sekula, S.T. *see* Kerchner, H.R. 4—39279
Sekulin, R.L. *see* Bjelkhagen, H. 4—39468
Selbach, H.-J. *see* Ewe, H. 4—34866, 4—34867
Selberg, L.A. *see* Milster, T.D. 4—39543
Selberherr, S. Modeling static and dynamic behaviour of power devices 4—36528
Selberherr, S. Process and device modeling for VLSI 4—36719
Selberherr, S., Ringhofer, Ch. Discretization methods for the semiconductor equations 4—36505
Selberherr, S., Ringhofer, C.A. Implications of analytical investigations about the semiconductor equations on device modelling programs 4—30579
Selberherr, S. *see* Agler, W. 4—36507
Selberherr, S. *see* Franz, A.F. 4—36612
Selberherr, S. *see* Franz, G.A. 4—36508
Selberherr, S. *see* Jungling, W. 4—36509
Selberherr, S. *see* Schutz, A. 4—47052
Selbie, R.D. *see* Redpath, T.W. 4—49179
Selby, D.L. *see* Haas, P.M. 4—62312
Seleznev, S.V. *see* Dol'nikov, L.L. 4—45328
Seleznev, V.Yu. *see* Efimenko, V.M. 4—59147
Selezneva, A.N. Instrument for calibrating means of measuring electric field strength 4—55616
Selidovkin, A.D. A model for pointed field emission cathodes 4—41748
Selig, G. Planning strategies for a brave new world of networks 4—32336
Seliga, T.A., Aydin, K., Bringi, V.N. Differential reflectivity and circular depolarization ratio radar signals and related drop oscillation and propagation effects in rainfall 4—47598
Seliga, T.A. *see* Aydin, K. 4—47595
Seliga, T.A. *see* Bringi, V.N. 4—49465
Seliger, K. *see* Guendel, H. 4—47423
Seligman, D.R. Traffic routing in a computer network 4—38278
Seligman, J. *see* Kaelin, G. 4—30106, 4—30112
Seligman, P.M. *see* Clark, G.M. 4—61816
Selim, H. Microprocessor-based equidistant firing pulses scheme 4—34764
Selim, H., Girgis, G.A. Automated linear system parameter identification using successive differentiation and its application in microprocessor controlled C and tan δ measurement 4—48688
Selim, S.Z., Ismail, M.A. Soft clustering of multidimensional data: a semi-fuzzy approach 4—60217
Selimkhanov, R.A. *see* Kotov, V.M. 4—37201
Selin, A.A. *see* Batura, V.P. 4—50771
Selin, L.-A. *see* Linder, G. 4—43557
Selivakhin, A.I. *see* Kuznetsov, A.P. 4—45183
Sellami, F. *see* Metz, M. 4—30065

Sellburg, F., Kerzar, B. Institute for Microwave Technology: the objective is monolithic microwave circuits 4—36038

Selle, F., von Olshausen, R. Mixed DC and impulse voltage tests on polyethylene-insulated power cables: test set-up and breakdown results 4—62201

Sellmyer, D.J., Ahmed, A., Muench, G., Hadjipanayis, G. Magnetic hardening in rapidly quenched Fe-Pr and Fe-Nd alloys 4—30954

Selmer-Anderssen, S. Restaurant I/O—with the best circuit kitchen in town. MODEM: a key to communication 4—43836

Selove, W. *see* Kononenko, W. 4—33692

Selove, W. *see* Theodosiou, G.E. 4—33677

Seltz, D., Stern, R. A custom LSI digital correlator 4—36912

Selva, R.A. Life assessment of boilers operating in creep conditions 4—45266

Selvapathy, T.P., Ramakrishna, T.V., Pitchai, R., Govindan, V.S. Methods for the determination of hydrogen sulphide in environmental samples 4—56337

Selvin, E. *see* Wang, P.D. 4—50760

Sema, T. *see* Ito, F. 4—45278

Semakov, N.V. *see* Zaitsev, G.V. 4—43122

Semavin, V.I. *see* Abakumov, A.M. 4—44411

Sembroski, G. *see* Aprile-Giboni, E. 4—55812

Semchenko, O.N., Shmal'ko, A.V. Field distribution of an electromagnetic wave at the open end of a microstrip waveguide 4—59834

Semenchik, V.G. *see* Belyachits, A.Ch. 4—61513

Semenchinsky, S.G. *see* Pudalov, V.M. 4—42068, 4—58811

Semenchukov, G.A. *see* Lopukhina, E.M. 4—34701

Semenikhin, N.I. *see* Kireev, N.N. 4—50214

Semenistyi, K.S. *see* Zubov, V.G. 4—55726

Semenov, A.D. *see* Gershenzon, E.M. 4—55653

Semenov, A.S. *see* Dedushenko, K.B. 4—31175

Semenov, A.T. *see* Bessonova, S.V. 4—42388

Semenov, A.V. *see* Andreyanov, Yu.P. 4—42682

Semenov, A.V. *see* Chernyshev, V.P. 4—49074

Semenov, G.B., Koreshev, S.N., Pavlov, A.V., Shubnikov, E.I. Holographic lens for an optical correlator 4—59645

Semenov, N.A. Thermal noise of lightguide 4—31146

Semenov, O.B. *see* Vanyushkin, O.V. 4—33073

Semenov, O.S. *see* Novikova, I.A. 4—35538

Semenov, S.G. *see* Veselov, G.I. 4—53264

Semenov, V.A. *see* Blank, E.I. 4—34048

Semenov, V.D. *see* Kirillov, V.V. 4—62711

Semenov, V.E. *see* Kuprenyuk, V.N. 4—59560

Semenov, V.N. *see* Aleksandrov, I.N. 4—40232

Semenov, V.S. *see* Novikova, I.A. 4—35538

Semenov, Yu.F., Zabolotnykh, V.L., Kolesnikov, V.U. Method of removing the sample in determination of the suctions of the cooling water in the condensers of turbines of nuclear power stations 4—39991

Semenova, E.E. *see* Ermolovich, E.S. 4—46388

Semenova, S.V. Calculation of optimum magnetic systems of induction converters of rotational velocity 4—57174

Semenova, T.A. *see* Boguslavskii, L.B. 4—43672

Semenychev, L.N. *see* Goryachev, S.B. 4—42532

Semenyuk, A.L. *see* Zil'berman, G.A. 4—33122

Semerenko, A.V. *see* Gorelik, D.G. 4—33357

Semet, A., Johnson, L.C., Mansfield, D.K. A high energy D_2O submillimeter laser for plasma diagnostics 4—59676

Semi, H. Application of CMOS gate array 4—59033

Semikoz, V.B. Quantum kinetic theory of free-electron lasers in external fields of arbitrary amplitude 4—42514

Semino, M. *see* Caorsi, S. 4—61505

Semisalov, I.L. *see* Agranovich, V.L. 4—49096

Semko, A.I. *see* Zemskov, G.G. 4—29283

Semlali, M. *see* Soares, O.D.D. 4—52648

Semlyen, A. Structural considerations related to the optimal load flow problem 4—34153

Semlyen, A. Decoupled optimal load flow via a generalized loss formula 4—34157

Semlyen, A. Electro-magnetic transients in transmission lines and systems 4—45066

Semlyen, A., Luo, G.X. Optimal power flow based on a Generalized Loss Formula 4—39847

Semlyen, A., Shirmohammadi, D. Infinite phase order modelling of multiphase transmission lines 4—45046

Semlyen, A. *see* Bickford, J.P. 4—45167

Semura, S., Saitoh, H., Asakawa, K. Reactive ion etching of GaAs in CCl_4/H_2 and CCl_4/O_2 4—41993

Semura, S. *see* Fukuzawa, T. 4—37387, 4—52943

Semura, S. *see* Tsukada, N. 4—36482

Sen, K.K., Ray, P.K. Energy partitioning in an inductively driven rail gun 4—37554

Sen, M.de la *see* de la Sen, M.

Sen, P. *see* Bhandari, R.K. 4—33611

Sen, P.C., Namuduri, C., Premchandran, G. Auxiliary impulse commutated inverters with least trapped energy 4—57145

Sen, P.C., Premchandran, G. Improved PWM control strategy for inverters and induction motor drive 4—40312

Sen, P.C. *see* Eastham, A.R. 4—34967

Sen, P.C. *see* Namuduri, C. 4—57230

Sen, P.C. *see* Pearson, W.R. 4—57478

Sen, P.C. *see* Zhao, K.B. 4—40597

Sen, P.K. Power engineering education at the University of Colorado at Denver 4—45889

Sen, P.K., Taylor, R.O. Variable frequency speed control of the squirrel cage induction motor 4—62543

Sen, P.N., Chew, W.C. The frequency dependent dielectric and conductivity response of sedimentary rocks 4—39275

Senac, G. Particularities and development of gas-turbine traction 4—57463

Senatorov, Yu.M. *see* Abil'siitov, G.A. 4—59389

Senba, T. *see* Kuraishi, Y. 4—54605

Senborn, A. *see* Petrovic, R. 4—60468

Senchenko, N.I. *see* Alipov, N.V. 4—50903

Senchenko, V.V. *see* Bondarenko, A.R. 4—41564

Senchenkov, A.S. *see* Zemskov, V.S. 4—29441

Senda, K., Terakawa, S., Hiroshima, Y., Kunii, T. Analysis of charge-priming transfer efficiency in CPD image sensors 4—59340

Senda, K., Terakawa, S., Hiroshima, Y., Matsuda, Y., Matsumoto, S., Kunii, T. A CPD image sensor with P-well antiblooming structure 4—44452

Senda, Y., Kanda, K., McDonald, T.A., Tessier, J.H., Abramson, P.B. Computer analysis on ANO-2 turbine trip test 4—34326

Senderakova, D. *see* Voitek, P. 4—42687

Senderovich, G.A. *see* Kozlov, V.S. 4—40213

Senderski, A. Triggering pulse blocking in converter drives—main problems and their solutions 4—34747

Sendyk, A.M. *see* Cooke, B.E. 4—33817

Senecal, S. Digital cassette recorders 4—33069

Senecal, S. Microprocessor-based multipoint data recorders 4—33132

Seneff, S. Pitch and spectral estimation of speech based on auditory synchrony model 4—60001

Senensieb, G. Chip filters [signal processing] 4—31985

Senensieb, G.A., Milbourn, A.J., Lloyd, A.H., Warrington, I.M. A non-iterative algorithm for obtaining multi-pulse excitation for linear-predictive speech coders 4—53519

Senft, D.C., Boyd, G.D., Thurston, R.N. Multiplexing the bistable boundary layer liquid crystal display 4—31188

Senft, D.C. *see* Thurston, R.N. 4—39237, 4—47304

Senftle, F.E. *see* Evans, L.G. 4—33961

Senger, B. *see* Rechenmann, R.V. 4—55871

Sengers, J.M.H.L. *see* Masui, R. 4—55712

Sengoku, M. *see* Shinoda, S. 4—40966

Sengupta, D.L. Resonant frequency of a tunable rectangular patch antenna 4—53294

Sengupta, D.L. *see* Dong, W.-R. 4—59863

Sengupta, K. *see* Basu, M. 4—55958

Sengupta, L., Jenkins, J.M. Multitasking in a microcomputer-based arrhythmia monitor 4—56140

Sengupta, M.K. *see* Basu, P. 4—33732

Sengupta, N., Das Gupta, M.J. Effect of thunderstorm on microwave line-of-sight propagation 4—31641

Sengupta, N. *see* Dutta, H.N. 4—31644

Sengupta, R. *see* Khan, A.A. 4—33518

Sengupta, T.K., Chatterjee, S.D. Studies on trap clusters 4—30467

Senin, A. *see* Fantini, F. 4—51072

Senior, J.E. The elusive search for electroanesthesia 4—33856

Senior, T.B.A. Low frequency scattering by a metallic plate 4—59728

Senior, T.B.A., Naor, M. Low frequency scattering by a resistivity plate 4—37563

Senis, R. Circulating water system with natural draft cooling tower for ENEL 660 MW standard power plant. Sensitivity analysis and design parameters optimization 4—49723

Senis, R. *see* Aquilanti, G. 4—45218

Senk, J., Jakubova, I., Gregor, J., Hrabovsky, M., Konrad, M., Mastny, V. Spectroscopic measurements of air-blast high-current electrical arc 4—50009

Senker, P. Implications of CAD/CAM for management 4—45906

Sen'ko, V.A. *see* Leonenko, D.A. 4—48789

Sen'ko, V.I. Semiconductor convertors with pulse code modulation 4—45533

Sen'ko, V.V. *see* Voitik, M.G. 4—37138

Senkowski, J. Resolution in a digital system of stabilization and sequential regulation of speed of a group of drives 4—34974

Senkowski, J. *see* Kulski, Z. 4—50131

Sennhauser, U. *see* Bolton, R. 4—55816

Sens, J.C. *see* van Driel, M.J. 4—31234

Sens, M.A., Mason, J.H. Discharge energy dissipation during inclined plane tracking tests 4—59068

Sens, T. Semiconductor lasers in optical video disc systems 4—48611

Sensenbaug, J.D. *see* Anderson, P.M. 4—55539

Senske, K. *see* Liese, M. 4—56930

Sentis, M. Description of a high average power exciplex laser system 4—52886

Senturia, S.D. The role of the MOS structure in integrated sensors 4—48830

Senturia, S.D. *see* Day, D.R. 4—61371

Senturia, S.D. *see* Lin, C.-H. 4—48829

Senturia, S.D. *see* Shapiro, F.R. 4—41802, 4—53698

Senyagin, Yu.V., Sop'yanik, V.Kh., Oreshkin, Yu.A., Testov, P.P., Mazurov, A.M. Recording emergency situations occurring in thermal power plant transformer station automatic control systems 4—40306

Senyushkin, B.M. *see* Stanovova, V.A. 4—59152

Seo, K. *see* Saito, R. 4—57193

Seo Hee Don *see* Hee Don Seo

Seo Jung Uck *see* Jung Uck Seo

Seob Aoum Jin *see* Jin Seob Aoum

Seok Choi Kap *see* Kap Seok Choi

Seong, S., Fukao, T. An analysis and characteristics of a new high frequency drive induction motor system 4—57422

Seong Choon Lee, Cheol Ho Kang, Chung Han Lee Effect of inverse filter in image restoration using Hunt's method 4—53905

Seong Ki Mun *see* Einstein, S.G. 4—61846

Sephton, J.P. *see* Smith, A.L.S. 4—47415

Sepp, G. CW diode laser instrumentation for rendezvous and docking manoeuvres in geosynchronous orbits 4—59573

Seppa, H. Influence of the tank circuit on the low frequency impedance of an RF-biased R-SQUID 4—31070

Seppa, H. Noise properties in an RF-biased Josephson junction noise thermometer 4—31071

Seppala, Y., Orpana, T. Experimental study on the efficiency and accuracy of a chance-constrained programming algorithm 4—40973

Sepsy, K. *see* Molnar, J. 4—55907

Sequeira, H.B. *see* Hava, S. 4—42638

Sequin, C.H. VLSI technology development priorities: computer systems builder's perspective 4—30781

Sequin, C.H. *see* Sherburne, R.W., Jr. 4—51300

Sequin, C.H. *see* Tamir, Y. 4—58255

Sequinot, J. *see* Eek, L.O. 4—49069

Serafini, L. *see* Bellomo, G. 4—55790

Serafini, P. *see* Pascoletti, A. 4—29377

Serapinas, K.L. Effect of monitoring equipment failures on the reliability of duplicated logic systems 4—29300

Serba, A.A. *see* Gorban', A.P. 4—40434, 4—62698

Serbin, Yu.V. *see* Pilipenko, G.S. 4—61555

Serbo, V.G. *see* Ginzburg, I.F. 4—33583, 4—49052

Serbulenko, M.G. *see* Aksenov, E.T. 4—32880

Serci, S. *see* Bressani, T. 4—33695, 4—39427

Serdenshnov, A.P., Yanukovich, G.I., Shevchik, N.E. The effect of transformer winding-connection schemes on voltage symmetry 4—56584

Serdeshnov, A.P., Yanukovich, G.I., Shevchik, N.E. The use of Y/Y_0 transformers in rural power networks 4—45487

Serdyuk, L.I. *see* Vaneev, B.N. 4—62675

Serdyuk, N.V. *see* Bochkov, Yu.V. 4—58012

Serdyuk, N.V. *see* Georgobiani, A.N. 4—59360

Serdyuk, V.M., Kahpalyuk, A.P. Volume vector holograms using countermoving reference beams 4—42737

Serdyuk, V.V., Stys, L.E., Turetskii, A.E., Chemeresyuk, G.G., Shmilevich, A.M. Mechanism of the field quenching of the photocurrent in polycrystalline CdS:Cu films 4—46821

Serdyukov, P.N., Burdzeiko, B.P. An estimate of the quality of an AM signal filtering on a background of white noise and AM interference 4—53665

Serebrov, A.A. *see* Barannikov, A.L. 4—37497

Serebryakov, A.S., Komarov, B.F. Instruments for height measurement and height measures for use on surface plates 4—33470

Serebryakov, V.A. *see* Andreev, R.V. 4—59486

Sereda, N.V. *see* Evremeev, V.V. 4—32033

Seregin, A.M. *see* Galushkin, M.G. 4—42714

Seregin, M.D., Chakalev, A.A., Orlov, B.D., Tsarkov, G.P., Khramovskii, Yu.V. Role of plastic deformation of the microrelief in the formation of electrical contacts in spot welding light alloys 4—40653

Seregin, P.P. *see* Nasredinov, F.S. 4—30367

Seregin, S.L. *see* Itskhoki, I.Ya. 4—42582

Sereno, D. *see* Copperi, M. 4—43833, 4—53521

Sergeev, A.B. *see* Bogatov, A.P. 4—42691

Sergeev, F.M. *see* Gaisak, I.I. 4—49073

Sergeev, I.I. *see* Mandel'berg, S.L. 4—62844

Sergeev, S.N. *see* Gavrilov, N.I. 4—31439

Sergeev, V.M., Petrochenko, V.I. Fast-response alternating- to direct-current voltage converter 4—57169

Sergeev, V.V. Image processing using Gilbert-Peano scanning 4—60152

Sergeev, Yu.A. *see* Voronkov, M.E. 4—34295

Sergeev, Yu.K. *see* Kuzyakin, Yu.I. 4—32467

Sergent, A.M. *see* Chen, M.C. 4—36087

Sergent, C.le *see* le Sergent, C.

Sergev, P.B. *see* Buchnev, V.M. 4—37309

Sergeyeva, T.P. The optimum organization of transit facilities for channel groups in network junctions by means of a computer 4—31820

Sergi, J.B., Viola, J.P. Very high speed fiber optic data distribution network 4—32819

Sergi, J.B. *see* Channin, D.J. 4—54816

Sergievskii, V.S. *see* Lisitsyn, V.N. 4—39522

Sergiyevskii, B.D. Variation in the direction-finding characteristic when finding the direction of a source of signal with mismatched polarization 4—38725
Serin, N. Capacitance-voltage measurement of Au-Ge-Sn structure at liquid nitrogen temperature 4—46890
Serin, N. Cu/a-Si:H/a-Si:H(n-type)/Cr Schottky diodes prepared by a RF magnetron sputter technique 4—46998
Serio, M. *see* Biagini, M. 4—47384
Serio, R.De *see* De Serio, R.
Serizawa, H. *see* Fujita, T. 4—42649
Serizawa, H. *see* Ohnaka, K. 4—33317
Serizawa, H. *see* Shibata, J. 4—52948
Serizawa, K. *see* Sasaki, S. 4—57844
Serk Shim Young *see* Young Serk Shim
Serkov, L.A. *see* Bolotov, I.E. 4—58047
Serlemitsos, P.J., Petre, R., Glasser, C., Birsa, F. Broad band X-ray astronomical spectroscopy 4—33781
Serlin, V. *see* Friedman, M. 4—58696
Sermage, B. *see* Heritage, J.P. 4—59306
Sermet, A. *see* Encarnacao, J. 4—32412
Sermet, P. *see* Delaunay, M. 4—61649
Sermund, G., Beaujean, R., Enge, W. New experimental data on track formation theories in plastic detectors 4—55857
Sermund, G. *see* Schwenck, P. 4—55863
Sernelius, B.E. *see* Tomak, M. 4—52130
Serotta, M.D. Containment as a measure of sonar system performance 4—60931
Seroussi, G. *see* Coppersmith, D. 4—43112
Serov, M.V. Measuring the amplitudes of single pulses of nanosecond duration by the standardization method 4—33397
Serov, R.V. *see* Gavrilov, N.I. 4—31439
Serpell, S.C., Brookson, C.B. Encryption techniques for use on the British Telecom Sat-Stream service 4—54668
Serpell, S.C. *see* Brookson, C.B. 4—32789
Serra, A. An RF wattmeter 4—33368
Serra, A. The maintenance of domestic video equipment 4—48607
Serra, A. AF digital filters 4—51449
Serra, A. A stereo decoder 4—55111
Serra, A. *see* Ciminiera, L. 4—38141
Serra, A. *see* Demartini, C. 4—54411
Serra, G. *see* Brunclli, B. 4—34656
Serra, J.C., Esteves, N.L. A blind equalization algorithm without decision 4—59909
Serra, T. *see* Fabregat, F. 4—47910
Serrano, A. *see* Lazcano, A. 4—36079
Serrano, B.R. *see* Peralta, W.H. 4—62057
Serrano Santoyo, A. Study and characterisation of background noise in GaAs FET devices in the microwave range 4—58527
Serrat-Fernandez, J. *see* Delgado-Penin, J.A. 4—56600
Serre, B., Schue, F., Eranin, A., Datamanti, E., Dubois, J.C., Montginoul, C., Giral, L. Influence of various electro-attractive substituents on the performances of acrylic type positive resists in microlithography 4—36382
Serrero, G. *see* Saucier, G. 4—52253
Servel, M., Thomas, A. Packet switching in video-communications networks 4—43565
Serverin, W.A. *see* Klinkovsky, E.R. 4—41480
Seryakov, Yu.N. *see* Bubnov, G.G. 4—42988
Seshadri, T.K., Rajaiah, K Eigenfunction solution of a class of TEM transmission line 4—53243
Seshadri, V.R. *see* Pathak, L. 4—56343
Seshagiri Rao, K.V. *see* Das, B.N. 4—44586
Seshagiri Rao, K.V. *see* Karale, R.L. 4—61997
Seshu Bai, V., Rama Rao, K.V.S. Solid solutions of MnSb as recording media in optical memory applications 4—31050
Sessa, S. On fuzzy subgroups and fuzzy ideals under triangular norms 4—46120
Sessa, W.B. *see* Lee, T.P. 4—37214
Sessa, W.B. *see* Lee, T.-P. 4—42643
Sessai, W.B. *see* Lee, T.P. 4—53046
Sessarego, J.P. *see* Gazanhes, C. 4—53670
Sessions, M.H. *see* Bane, J.M., Jr. 4—49475
Sessler, A.M. *see* Orzechowski, T.J. 4—47368
Sessler, A.M. *see* Paul, A.C. 4—47487
Sesto, E. *see* Maccionio, C. 4—34560
Seta, I. *see* Nakanishi, M. 4—62855
Setaka, R., Takahashi, H. Fluorine doping levels in the low-pressure PCVD process [for optical fibers] 4—59253
Setaka, R., Takahashi, H., Sato, T., Yoshida, S. Fluorine-doping levels in the low-pressure PCVD process [optical fibre fabrication] 4—52643
Seth, B.B. *see* Baldino, F.X. 4—49674
Seth, R.L., Datta, K.K. Use of carbon electrodes in electrochemical power sources 4—34830
Seth, S.C., Agrawal, V.D. Characterizing the LSI yield equation from wafer test data 4—36650
Sethares, J.C. *see* Floyd, R.E. 4—31037
Sethares, J.C. *see* Weinberg, I.J. 4—42234
Sethi, A.P., Thompson, G.L. The pivot and probe algorithm for solving a linear program 4—46150
Sethi, K.S. Plans for planning 4—57772
Sethia, M.L., Anderson, J.B. A new code generator for low-rate autoregressive sources 4—43150
Sethia, M.L., Anderson, J.B. Interpolative DPCM 4—53373
Setlur, A.V., Khanna, J.K. Designing for equipment-induced dynamic loads 4—49654
Seto, H. *see* Shinzawa, M. 4—60524
Seto, H. *see* Tanaka, K. 4—52700
Seto, M. *see* Ishihara, K. 4—57607
Seto, M. *see* Katayama, S. 4—62731
Setsune, K., Mitsuyu, T., Tazuke, K., Yamazaki, O. High frequency, high performance SAW devices 4—52381
Setsune, K., Mitsuyu, T., Yamazaki, O., Wasa, K. Discrete frequency Bragg deflector in 2 GHz range using ZnO/sapphire substrate 4—52741
Setsune, K., Yamazaki, O., Wasa, K. Frequency trimming for high-frequency SAW device using ultraviolet light 4—42210
Setsune, K. *see* Kawaguchi, T. 4—31169, 4—52542
Sette, F. *see* Fortunato, G. 4—36338
Sette, F. *see* Margaritondo, G. 4—46845
Setton, J.J., Mitchard, M.G., Le Moing, A.J., Santamaria, R. Cardiac action potential sequential processing 4—44763
Seucan, A. *see* Alferaru, A. 4—48962
Seufert, W.D. *see* Lachiver, G. 4—61818
Seulin, N.A. Uninterrupted 40 to 100 kW supply equipment using auxiliary aircraft type drive 4—34140
Seuret, D. *see* Gombia, E. 4—30384, 4—35460
Seuret, D. *see* Vigil, O. 4—62709
Sevastianov, S.B. *see* Nakhmanson, R.S. 4—30434
Sevastru, A. *see* Manolescu, G. 4—56495
Sevastyanov, V.V. *see* Tumanov, I.M 4—57101
Sevat, P.A.A. Prevention of interference 4—31685
Sevat, P.A.A. Components to suppress interference 4—31686
Sevcik, R. *see* Gupta, G. 4—48369
Sevenhans, J. *see* Declerck, G. 4—39079
Sevenhuijsen, P.J. Stress gages 4—39142
Sever, S., Domac, T Reliability indices of remote control system SDU-100 RIZ 4—32188
Severijns, A.P., Severin, P.J.W. Device for stripping protective coatings from glass fibre 4—37129
Severin, P.J.W. *see* Severijns, A.P. 4—37129
Severin, V.P. *see* Gubarev, G.G. 4—40316
Severin, W. *see* Hanson, K. 4—54498
Severinsky, A. Battery viability in automobile propulsion (System study) 4—57486
Severns, R. *see* Blanchard, R. 4—50941
Severson, A.R. AT & T's proposed PBX-to-computer interface standard 4—38388
Severson, D.D. *see* Klingerman, M.D. 4—42252
Severson, G. Choosing the best CRT display technology for your application 4—44445
Sevigny, A. *see* Letendre, R. 4—34142
Sevigny, A. *see* Rajagopalan, V. 4—57214
Seviora, R.E. Field debugging of telecommunication switching machines 4—32592
Seward, T.P., III Glass polarizers containing silver 4—52747
Sewell, H. *see* McCullough, A.W. 4—36386
Sewell, J.I. *see* Johnson, D.G. 4—50927
Sewter, B. The role of broadcast research and development 4—38786
Sexton, H.B. *see* Carlsson, G.C. 4—53593
Seydak, W., Tomaszewski, J. Proposals concerning standardization in the sphere of electrical engineering 4—40768
Seyfert, B. UHF power measurement 4—44579
Seyfferth, L. Services performed by an engineering consultant refueling program, compact storage [nuclear power plants] 4—34273
Seytre, G. *see* Guillet, J. 4—58573
Seytre, G. *see* Laleg, M. 4—58067
Sezginer, A., Chew, W.C. Closed form expression of the Green's function for the time-domain wave equation for a lossy two-dimensional medium 4—47580
Sferrazza, P.K. The single-chip CMOS microcomputer CDP 1804A 4—35845
Sferrazza, P.K. The CDP1804A single chip CMOS microcomputer 4—51314
Sferrazza Papa, J.N., Campbell, C.K., Chu, T. Design of a UHF SAW resonator using harmonic-mode excitation 4—59115
Sgarbi, C. *see* Baroni, G. 4—55870
Sgarro, A. Remarks on substitution ciphers 4—43160
Sha, L. *see* Tang, T.W. 4—58889
Sha Guohe, Yin Houming, Zhou Dazheng, Yang Guansheng, Han Denglong, Shi Shuguo, Wang Xueling, Cai Peihua, Wang Zhenqi, Li Xinhua, Wang Ruqing, Zhang Cunhao Investigation of an electron-beam-initiated pulsed HF chemical laser 4—37316
Sha Nguen Tkhi *see* Nguen Tkhi Sha
Shabad, M.A. Checking the sensitivity of protection with alternating operating current and with allowance for the error of current transformers 4—39908
Shabad, M.A. Testing the sensitivity of protection with alternating current with allowance for the error of current transformers 4—39943
Shabaev, P.K. *see* Khutoretskii, G.M. 4—34590
Shabalin, N.G. *see* Donskoi, A.L. 4—40787
Shabanova, Z.V., Nekrasov, S.A. Erosion of electrical contacts [circuit breakers] 4—40354
Shablygin, S.V. *see* Petukhov, V.I. 4—35627
Shaboyan, S.A. *see* Vardanyan, A.A. 4—52069
Shabunin, S.N. *see* Panchenko, B.A. 4—37746
Shabunov, V.A. Studies in the use of air breakers to switch off low inductive currents 4—40357
Shacham, N. Queueing analysis of sequential decoder with random input and retransmissions 4—38123
Shacham, N. A distributed search protocol for large networks 4—38334
Shacham, N. Throughput-delay performance of packet-switching multiple-access channel with power capture 4—60472
Shacham-Diamand, Y., Kidron, I. Haynes-Shockley experiment on *n*-type HgCdTe 4—51778
Shachar, M. A mass storage system based on magnetic bubble memory technology 4—37041
Shachar, Y. *see* Hollos, G. 4—33594
Shade, G.F. *see* Dickens, L.E. 4—58540
Shaderma, M. Wide range digital phase-locked servo system for DC motors 4—34702
Shadman, A., Jeruchim, M.C. The effect of companding on orbit utilization of FDM/FM carriers 4—37653
Shadmon, G., Vinkler, A. Parameter identification of aircraft force model at high angles of attack 4—39636
Shadrin, M.P. *see* Smagin, Yu.A. 4—33494
Shafai, L., Ittipiboon, A., Bridges, E., Hyjazie, F. Dualband horn with inherent isolation between its transmit and receive ports 4—42941
Shafai, L., Ittipiboon, A., Bridges, E., Kishk, A.A., Rao, K.S. Studies on the performance and optimization of coaxial feeds for reflector antennas 4—31800
Shafai, L. *see* Kishk, A.A. 4—41553
Shafai, L. *see* Kumar, G. 4—59864
Shafai, L. *see* Rao, K.S. 4—31786, 4—31801
Shafai, L. *see* Sanad, M.S.A. 4—59860
Shafai, L. *see* Sebak, A.A. 4—47569, 4—47603
Shafer, B.D. *see* Mnich, T.M. 4—29859
Shafer, H.S. *see* Cotton, K.C. 4—49752
Shafer, J.B. *see* Phelps, R.F. 4—35185
Shafer, P. *see* Baliga, B.J. 4—52141
Shaffer, C.V. *see* Couch, L.W. 4—57735
Shaffer, D. From terminal to terminal: why OAG is venturing into electronic publishing 4—48152
Shaffer, J.J., Bennett, J.M., Bennett, H.E. Dimensional stability of Zerodur and ULE mirrors undergoing thermal cycling 4—37087
Shaffie, H. *see* El-Sharkawi, E. 4—62170
Shafi, M. *see* McMillen, G.R. 4—48381
Shafi, M. *see* Taylor, D.P. 4—38457
Shafigullin, R.R. *see* Gaisak, I.I. 4—49073
Shafir, Yu.N., Rogachevskii, V.I. Methods for calculating current distribution in transformer and reactor windings 4—57102
Shafran, G.Ya. *see* Nemkov, V.S. 4—62864
Shagam, R.N. AC phase measurement technique for moire interferograms 4—61562
Shagyan, A.G. *see* Karapetyan, M.A. 4—53137
Shah, A.V. *see* Max, J.-J. 4—35936
Shah, D.O. *see* Sharma, M.K. 4—35110
Shah, J. *see* Pinczuk, A. 4—41878
Shah, K.R., Sanger, J.O., Mashaw, J.M. Load management experience of rural electric cooperatives 4—49522
Shah, M. *see* Mostafavi, H. 4—53831
Shah, M.L., Zerwekh, P.S. Intermodulation in wideband Bragg cells 4—52735
Shah, N.A. *see* Naqshbendi, S.F.H. 4—29694
Shah, N.M., Volturo, C. Typical traction power system descriptions 4—57475
Shah, P., Batra, N., Gill, M. For telecommunications functions, C-MOS needs help from other processes 4—38146
Shah, P. *see* Gill, M. 4—59039
Shah, R. *see* Lonergan, J. 4—54840
Shah, R.R. *see* Khondker, A.N. 4—36251
Shah, R.R. *see* Kim, D.M. 4—36250
Shah, R.R. *see* Shichijo, H. 4—36627
Shah, S.S. *see* Chandole, S.V. 4—51791, 4—51792
Shah, V.V. *see* Dixit, P.N. 4—41077
Shah, Y.K. Designing with logic arrays results in circuit optimization and increase in microprocessor thruput 4—46435
Shahaf, S. *see* Bluvband, Z. 4—45918
Shahbazian, S.M. Photosensitive systems for laser exposure in the printing industry 4—42749
Shahid, M.A., Anjum, M., Sealy, B.J. Annealing of ion-implanted $Ga_{0.47}In_{0.53}As$ 4—36395
Shahid, M.A., Topham, P.J., Sealy, B.J., Puttick, K.E. Laser alloyed tin layers on GaAs 4—51874
Shahidi, A.Vahid *see* Vahid Shahidi, A.
Shahnarian, A., Vivaudou, M.B., Chetham, P.M., Higger, R.A., O'Brien-Penny, B.C., Looft, F.C., Polanyi, M.L., Peura, R.A., Welch, G.W. Single thermistor system for continuous cardiac output 4—44714
Shahnarian, A. *see* Jundanian, R.H. 4—44713
Shahnasser, H. *see* Cendes, Z.J. 4—31575
Shahshahani, M. *see* Diaconis, P. 4—29388
Shaik, K.S. *see* Yu, F.T.S. 4—38043
Shaiken, H. *see* Hayes-Roth, F. 4—50398
Shaikh, A.R. Control of induction motor by phase angle variation of SCRs 4—45434

Shail, R., Naden, J.M., Weiss, B.L. Computer simulation of planar ion implanted optical waveguides in lithium niobate 4—37093
Shain, M. Microcomputer publishing 4—48154
Shakaryan, Yu.G. *see* Dovganyuk, I.Ya. 4—57384
Shakaryan, Yu.G. *see* Venikov, V.A. 4—44995
Shaked, U. The location of the continuous-time stationary Kalman filter poles 4—43302
Shaked, U. *see* Bistritz, Y. 4—46306
Shaked, U. *see* Priel, B. 4—43301
Shakhkamyan, A.S. *see* Sultanyan, G.T. 4—33366
Shakhkamyan, S.S. *see* Sultanyan, G.T. 4—33366
Shakhov, E.K. *see* Pershenkov, P.P. 4—60028
Shakhov, M.A. *see* Mashovets, D.V. 4—29711
Shakhtakhtinskii, M.G. *see* Mustafaev, N.B. 4—51757
Shakhtarin, B.I., Kurochka, B.Ya., Morozova, V.D. Investigation into stability of second-order discrete phase locked loop 4—58210
Shakhtarin, V.N. *see* Koshurnikov, E.K. 4—34588
Shakir, S.A., Chow, W.W. Semiclassical theory of coupled lasers 4—42509
Shakirov, M.A., Bulavochkin, V.P. Analysing a Y scheme with anomalous element by parts, using the multidimensional equivalent generator EMF method 4—41467
Shakirov, R.R. *see* Evstyukhin, A.I. 4—31058
Shalabutov, Yu.K. *see* Gutkin, A.A. 4—31258
Shaldin, Yu.V. *see* Kozlovskii, V.I. 4—42610
Shalei Dong *see* Dong Shalei
Shalimanov, V.F. *see* Zheltov, K.A. 4—33754
Shalit, M. Application of circuit multiplication equipment to the public switched network in the evolving analogue to digital environment 4—54571
Shal'man, M.P. An automated system of controls for technological processes in standardized nuclear power stations 4—40002
Shalmon, M., Kaplan, M. The joint delay analysis of a tandem data-collection system with multiple interfering sources 4—43807
Shal'nova, N.I. *see* Antropov, E.T. 4—42531
Shaltens, R.K. *see* Scott, G.W. 4—45382
Shaltens, R.K. *see* Smith, R.F. 4—56898
Shamanna, K.N. *see* Kosta, S.P. 4—54966
Shamanov, A.P. *see* Kazantsev, V.N. 4—39783
Shamasundra, H.N., Schallert, W.F. Avionics curriculum at Parks College 4—45890
Shamatava, V.D. *see* Yakobs, A.I. 4—45172, 4—45549
Shamir, A. *see* Fiat, A. 4—47744
Shamir, J. *see* Adams, J.M. 4—43408
Shamukhamedov, Sh.Sh. *see* Allakhverdiev, A.M. 4—50067
Shamukhamedov, Sh.Sh. *see* Andreev, V.M. 4—62708
Shan, T.J., Kailath, T. Adaptive beamforming for coherent signals and interference 4—37726
Shan, T.J., Kailath, T. New adaptive processor for coherent signals and interference 4—60105
Shan, T.-J. *see* Wax, M. 4—43058
Shan Kuang-chih *see* Ku Wei-chun 4—55307
Shan Wang *see* Wang Shan
Shan Xinxin *see* Ma Shusen 4—59411
Shan Zhenguo Further discussion on 'Infrared transmission/emission method for GaAlAs/GaAs DH lasers' 4—31379
Shan-jie Zhang *see* Zhang Shan-jie
Shanahan, S.T., Heckenberg, N.R. Heterodyne measurement of the absolute two photon light shift in an optically pumped laser operating at 889 μm 4—47418
Shanahan, S.T., Heckenberg, N.R. Application of the optoacoustic effect in optically pumped submillimeter lasers 4—47502
Shanahan, S.T., Heckenberg, N.R. A simple method for frequency controlling CO_2 pump lasers for submillimetre lasers 4—52904
Shanblatt, M.A., Leung, Y.-Y. The promise of VLSI for load flow computation enhancement 4—56556
Shanblatt, M.A. *see* Leung, Y.-Y.J. 4—62031
Shanbmugan, K.S. *see* Frost, V.S. 4—61894
Shand, M.L., Lai, S.T. CW laser pumped emerald laser 4—31353
Shand, M.L. *see* Harter, D.J. 4—53069
Shand, W.A. Performance requirements for an IR staring sensor 4—55257
Shand, W.A. Atmospheric limitations on imaging systems 4—56259
Shands, T.G., Denny, H.W., Woody, J.A. Intermodulation interference generated in coaxial cables and connectors 4—59812
Shang-xue Qi *see* Zhang-da Lin 4—58821
Shangguan Cheng, Dou Airong, Sun Xiangdong A close-cycled and flowing XeCl excimer laser 4—31297
Shangnu Lu *see* Lu Shangnu
Shani, G. *see* Tsechanski, A. 4—33770, 4—55808
Shanin, V.I. *see* Suminov, V.M. 4—42740
Shank, C.V. *see* Tomlinson, W.J. 4—37113
Shank, C.V. *see* Yen, R. 4—59578
Shankar, A.U. *see* Lam, S.S. 4—54372
Shankar, K., Ramachandran, V. Some applications of Lunelli's theorem in the synthesis of multivariable positive real functions 4—41168
Shankar, K. *see* Ahmad, M.O. 4—41167
Shankar, P.M., Cole, T.W. Signal processing using interaction of laser light and surface acoustic waves 4—37507
Shankar, P.M., Newhouse, V.L. Double frequency bubble diagnostics 4—56116
Shanker, R.Bhawani *see* Bhawani Shanker, R.
Shanks, D. *see* Newman, M. 4—29317
Shanlin Li *see* Li Shanlin
Shanmugan, K.S., Frost, V.S., Leong, P.K. Simulation of spread-spectrum systems using ICSSM 4—32674
Shanmugan, K.S. *see* Balaban, P. 4—38431
Shanmugasundaram, A., Muthu, C. Analysis of DC dynamic braking of double-sided linear induction motors 4—57038
Shannon, C. *see* Gillette, P.C. 4—44785
Shannon, D.C. *see* Zediker, M.S. 4—31337
Shannon, J.M. *see* McMillan, G.B. 4—51985
Shanskii, V.F. *see* Burtsev, V.A. 4—59445
Shanthikumar, J.G., Sargent, R.G. An algorithmic approach for a special class of Markov chains 4—57902
Shanthikumar, J.G. *see* Sriram, K. 4—32085
Shanyu Zhou *see* Zhou Shanyu
Shao, B.-X. *see* Ko, W.H. 4—33235
Shao, D. *see* Harmuth, H.F. 4—37749
Shao, T.S. *see* Bennett, R.L. 4—32450
Shao Han-Ru *see* Sun Ke 4—52444
Shao Hanguang *see* Zheng Wenxin 4—47648
Shao Kai, Cui Guangji, Meng Xiaofan A resonant Josephson tunnel junction directly coupled to the microstrip transmission line 4—42290
Shao Li-wei *see* Chen De-sen 4—58676
Shao Xiu-min On the condition number of the substructure matrix 4—41016
Shao-kang Lu *see* Lu Shao-kang
Shao-shan Chen *see* Chen Shao-shan
Shao-Wen Mai, Evans, D.J. A general strategy on the bandwidth minimization (BM) problem 4—50661
Shao-xiong Men *see* Men Shao-xiong
Shaobai Zheng *see* Zheng Shaobai
Shaoji Li *see* Li Shaoji
Shaoping Han *see* Han Shaoping
Shaorong Zhang *see* Zhang Shaorong
Shaowen Gong *see* Gong Shaowen
Shaoxian Meng *see* Meng Shaoxian
Shaoxin Meng *see* Peihui Liang 4—59575
Shaoyi Hu *see* Hu Shaoyi
Shaoying Wang *see* Wang Shaoying
Shapan, E.N. *see* Palkin, V.P. 4—44403
Shapenko, V.N. *see* Perevodchikov, V.I. 4—34757
Shapira, J.-P., Azaiez, F., Fortier, S., Gales, S., Hourani, E., Kumpulainen, J., Maison, J.-M. Soleno, a superconducting solenoidal coil used as a spectrometer for nuclear charged particle studies around zero degrees 4—61727
Shapiro, A. On optimality conditions in quasidifferentiable optimization 4—57953
Shapiro, A.J. The design, simulation and developmental testing of the Space Shuttle Data Bus System 4—44886
Shapiro, B.H. Strain gage transducers show long term stability 4—33243
Shapiro, E., Danielson, L.R. Thermoelectric properties of non-stoichiometric lanthanum sulfides 4—36304
Shapiro, F.R., Adler, D. Transport in hydrogenated amorphous silicon 4—58741
Shapiro, F.R., Senturia, S.D., Adler, D. The use of linear predictive modeling for the analysis of transients from experiments on semiconductor defects 4—41802
Shapiro, F.R., Senturia, S.D., Adler, D. The analysis of non-oscillating transients using the covariance method with many different orders 4—53698
Shapiro, H.D. Increasing robustness in global adaptive quadrature through interval selection heuristics 4—46171
Shapiro, J.B. Improved method for fabricating plasma panel conductor lines 4—61460
Shapiro, J.H. Near-optimum and optimum receiver realizations for binary two-photon coherent state signals 4—44135
Shapiro, J.H. Resolution and accuracy, ambiguity and anomaly for range-spread speckle targets 4—54899
Shapiro, J.H., Wagner, S.S. Phase and amplitude uncertainties in heterodyne detection 4—53369
Shapiro, J.H. *see* Bondurant, R.S. 4—53086
Shapiro, J.H. *see* Kumar, P. 4—47508
Shapiro, J.H. *see* Nguyen, T.T. 4—32824
Shapiro, J.H. *see* Papurt, D.M. 4—54901
Shapiro, L., Fratnik, M. The Ursa Major 8X32 programmable digital reverberation unit 4—33006
Shapiro, L.G., Haralick, R.M. A hierarchical relational model for automated inspection tasks 4—45996
Shapiro, L.G., Moriarty, J.D., Haralick, R.M., Mulgaonkar, P.G. Matching three-dimensional objects using a relational paradigm 4—60208
Shapiro, L.Ya. Measuring TV signal frequency and deviation 4—38790
Shapiro, L.Ya., Astorga, V.I. Investigation of wind-powered equipment with an asynchronised synchronous generator 4—40179
Shapiro, M., Laufer, G. Effect of electrostatic field direction on the collection of charged aerosol by an isolated sphere 4—53169
Shapiro, M. *see* Bony, H. 4—47404
Shapiro, P., Campbell, A.B., Ritter, J.C., Zuleeg, R., Notthoff, J.K. Single event upset measurements of GaAs E-JFET RAMS 4—29856
Shapiro, Ye.I. *see* Kurkin, O.M. 4—43355
Shapkin, V.D. *see* Sannikov, D.I. 4—40253
Shapkin, V.V. *see* Nasybullin, R.A. 4—36930
Shaposhnikov, A.A. *see* Ergakov, V.S. 4—41761
Shapoval, V.Z. *see* Dolbilov, A.S. 4—31322
Shapovalov, V.I. *see* Pilin, B.P. 4—35556
Shappir, J., Adar, R. Polycrystalline silicon recrystallization by combined CW laser and furnace heating 4—46911
Shappir, J. *see* Alpern, Y. 4—36911
Shappir, J. *see* Eitan, B. 4—46458
Shappir, J. *see* Nissan-Cohen, Y. 4—36625
Sharabkhanyan, I.I. *see* Amirikyan, R.A. 4—44969
Sharaf, A., Gagnon, R., Luke, D., Doraiswami, R. A microcomputer-based controller for a static phase shifter 4—34107
Sharaf, A.M., Hickey, G., Zhuang, F. Harmonic reduction using optimum simultaneous control of multi-staged static converters 4—34775
Sharaf, A.M., Sivakumar, S., Doraiswami, R. Controller designs for power system stability enhancement using static phase shifters 4—56489
Sharaf, A.M. *see* Doraiswami, R. 4—45009
Sharaf, J.M. *see* Galloway, R.B. 4—55978
Sharaf, M.A. *see* Kenawy, M.A. 4—55964
Sharaf, M.M. Multivariable control of a turbogenerator using the receding horizon method 4—34625
Sharaf, S.M.Z. *see* Abdalla, O.H. 4—34628
Sharaf, T.A.M., Berg, G.J. Static transmission capacity expansion planning under uncertainty 4—62117
Sharapov, A.V. Code control of voltage regulators with multi-band pulse modulation 4—62678
Sharapov, S.I. *see* Trifonov, A.P. 4—53657
Sharapudinov, I.I. Properties of polynomials orthogonal at a finite system of points 4—46189
Sharbaugh, A.H., Walker, G.W. The design and evaluation of an ion-drag dielectric pump to enhance cooling in a small oil-filled transformer 4—57143
Share, J.A. *see* Shaw, J. 4—49445
Shareef, I.A. *see* Ananthakrishnan, R.B. 4—47087
Sharif, A. *see* Gartner, H.M. 4—42144
Sharif, M.N., Ramanathan, K. Temporal models of innovation diffusion 4—40764
Sharif, M.N., Sundararajan, V. Assessment of technological appropriateness: the case of Indonesian rural development 4—45921
Sharipov, A.B. Mathematics simulation of transformers in the design of stationary and transfer modes 4—62582
Sharkhatunyan, R.O. *see* Gasparyan, M.R. 4—59181
Sharko, A.V. *see* Lebedev, A.A. 4—41132
Sharkov, V.F. *see* Firtsak, Yu.Yu. 4—37190
Sharkov, V.F. *see* Goryachev, S.B. 4—42532
Sharma, A. *see* Mishra, P.K. 4—47271
Sharma, A.D. *see* Kumar, A. 4—42352
Sharma, A.K. Spectral domain analysis of an elliptic microstrip ring resonator 4—36020
Sharma, A.K., Reddy, P.J. Hall mobility of evaporated InAs films prepared at different temperatures 4—36264
Sharma, A.P. *see* Chander, S. 4—55973
Sharma, B.Krishna *see* Krishna Sharma, B.
Sharma, B.L. *see* Gulati, R. 4—58928
Sharma, B.S. *see* Bhushan, B. 4—47179
Sharma, D.K. Comments on 'A negative drain conductance property in super-thin buried channel MOSFET on a buried insulator' by Y. Omura et al 4—52099
Sharma, D.K., Sirohi, R.S., Kothiyal, M.P. Multiaperture speckle shearing arrangements for stress analysis 4—33479
Sharma, G., Chellappa, R. An iterative algorithm for robust 2-D spectrum estimation 4—53685
Sharma, G., Chellappa, R. A model based approach for 2-D MEPS analysis 4—53686
Sharma, J.K.N., Gupta, A.C. Studies on the characteristics of a piezoelectric gas admission valve 4—42208
Sharma, J.K.N., Jain, K.K., Bean, V.E., Welch, B.E., Lazos, R.J. Effects of viscosity, temperature, and rate of rotation on pressure generated by a controlled-clearance piston gauge 4—39355
Sharma, M.K., Shah, D.O. Interfacial phenomena in foam flooding process for heavy oil recovery 4—35110
Sharma, M.K. *see* Chaudhuri, A.B. 4—61996
Sharma, M.K. *see* Gupta, R.P. 4—36094
Sharma, N.C., Mukerjee, A.K., Chopra, K.L. Hot body detection using $Pb_{1-x}Hg_xS$ photoconducting cells 4—55483
Sharma, O.P. Role of construction management, methods and equipment in construction of hydroelectric projects in India 4—57757
Sharma, P.C. *see* Chande, P.K. 4—55676
Sharma, R.C. *see* Garg, S.P. 4—55828

Sharma, R.G., Krishna, M.M. High field industrial superconductors—recent developments 4—52478
Sharma, R.K. *see* Sharma, V.K. 4—62141
Sharma, R.P. *see* Chaudhuri, A.B. 4—61996
Sharma, R.P. *see* Kurup, M.B. 4—41964
Sharma, R.S. *see* Naqshbendi, S.F.H. 4—29694
Sharma, R.V., Subramanian, D.V. Vertical variation of radio refractive index in lower troposphere over Bombay 4—31648
Sharma, S.R. *see* Chawla, M.M. 4—29419
Sharma, S.S. *see* Smith, D.C. 4—29760
Sharma, V. *see* Casasent, D. 4—53799
Sharma, V.K., Sharma, R.K. Project planning—a financial appraisal 4—62141
Sharman, K., Durrani, T.S., Wax, M., Kailath, T. Asymptotic performance of eigenstructure spectral analysis methods 4—53775
Sharman, K.C., Friedlander, B. Time varying autoregressive modeling of a class of nonstationary signals 4—53757
Sharnprapai, A. Survey of economic aspects of implementation of satellite systems 4—60803
Sharon, B. *see* Katzir, Y. 4—39051
Sharon, M., Sinha, A. Photoelectrochemical studies of $BaTiO_3$ electrolyte redox systems 4—40367
Sharonov, G.I. Algorithmic method of measuring parameters of passive complex two-terminal element in multipole electrical circuit 4—48977
Sharov, A.N., Groshikov, E.N. Optimum control of the power of radio signals in channels with fading and fluctuation interference 4—37935
Sharov, S.N., Zonis, E.M., Zonis, Yu.M. A study of electric drive dynamics with regard to play and dry friction 4—57385
Sharp, B. *see* Booth, A.W. 4—60950
Sharp, L.E., Barkley, H.J. Quasi-CW 20-W tunable 1-sec pulse CO_2 laser for optical pumping 4—37288
Sharp, L.E. *see* Barkley, H.J. 4—59435
Sharp, S. *see* Dugan, T. 4—29895
Sharpe, C. Electrical power supply 4—49948
Sharpe, C.B. *see* Klemer, D.P. 4—31714
Sharpe, C.D., Achar, B.S. Electrochemical profiling of silicon: current status 4—36462
Sharples, H.D. *see* Bozoki, B. 4—34600
Sharpless, G. Protocols for the transmission of telesoftware and other non-displayable data 4—48153
Shashaty, A.J. Nonlinear and hysteretic twisting effects in ocean cable laying 4—56632
Shashkin, A.A. *see* Dolgopolov, V.T 4—30446
Shashkin, V.V. *see* Pokrovskii, L.D. 4—59262
Shashkov, P.N. *see* Komolov, V.P. 4—46545, 4—47859
Shastin, A.G., Perevalov, S.P., Raikhman, A.Z., Svyatskii, B.S. Reflection of ultrasound from natural defects propagating from the surface 4—58099
Shastry, V.J. *see* Adamson, A.W. 4—57354
Shatalov, V.I. *see* Kopach, E.N. 4—39812
Shatas, S.C. *see* Yih-Cheng Shih 4—51936
Shatendra, K., Mittal, R., Allawadhi, K.L., Sood, B.S. A method for efficiency calibration of Si(Li) and HpGe detectors at low energies 4—33734
Shaterin, M.A., Medko, V.S., Rozhdestvenskii, A.V. A special pyrometer for measuring the surface temperature of blanks 4—61571
Shaternikov, V.E., Bykhovskii, I.Yu. Direction of intensity vector for the magnetic field of eddy currents as an informative parameter 4—35545
Shatilov, A.I. The use of truncated sequential procedures in radar detection problems 4—32844
Shatkovskii, A.I. *see* Degtyarev, C.V. 4—49040
Shatkovskii, E. *see* Tamasevicius, A. 4—31240
Shatokhin, B.V. *see* Filippov, V.S. 4—42992
Shatynski, S.R. *see* Rodbell, K.P. 4—30686, 4—36710
Shatz, S.M. Communication mechanisms for programming distributed systems 4—54343
Shaub, Yu.B., Demenok, V.N., Shchetinin, A.A. Measurement of surface waves from a moving ship with a multi-electrode device 4—56308
Shaughnessy, W.J. *see* Anderson, F.J. 4—57098
Shaul, R.F. *see* Haining, F.W. 4—46728
Shaulov, A. Broadband infrared thermal detector 4—55457
Shaulov, E.A. *see* Demisov, D.S. 4—41563
Shavaiko, I.G. *see* Martsafei, V.V. 4—42975
Shaver, D.C. Electron-beam customization, repair, and testing of wafer-scale circuits [NMOS EPROM] 4—29876
Shaver, D.C. Electron-beam techniques for integrated circuit testing and customization 4—59008
Shaver, T. *see* Dennett, A. 4—30727
Shaw, A., Rolland, R. Marine application of the Argos system 4—56314
Shaw, C. EEC reveals telecom user discontent 4—29177
Shaw, C. Tapping the old boy telecom market 4—54014
Shaw, D.W. Advanced multilayer epitaxial structures 4—35481
Shaw, G.A., McAulay, R.J. The application of multichannel signal processing to clutter suppression for a moving platform radar 4—38011
Shaw, G.A. *see* Chiang, A.M. 4—54872
Shaw, H.J. *see* Bergh, R.A. 4—44487
Shaw, H.J. *see* Brooks, J.L. 4—42380
Shaw, H.J. *see* Jackson, K.P. 4—52620
Shaw, H.J. *see* Kim, B.Y. 4—44494, 4—52585, 4—52586, 4—59203
Shaw, H.J. *see* Moslehi, B. 4—60200
Shaw, H.J. *see* Newton, S.A. 4—52619
Shaw, H.J. *see* Risk, W.P. 4—52580
Shaw, H.J. *see* Sorin, W.V. 4—53077
Shaw, H.J. *see* Youngquist, R.C. 4—37125
Shaw, J. Cable—more than just programmes 4—55029
Shaw, J., Share, J.A., Rogers, J. An automated superconducting magnetometer and demagnetizing system 4—49445
Shaw, J. *see* Bertsekas, D. 4—49555
Shaw, J. *see* Praszczak, J. 4—36368
Shaw, J.G. *see* Card, H.C. 4—36323
Shaw, J.M. *see* Ortmeyer, T.H. 4—62638
Shaw, M.L.G., Gaines, B.R. Does the human component in a network have a protocol? 4—32423
Shaw, M.T. *see* Prottas, R.D. 4—59081
Shaw, M.T. *see* Weiss, R.A. 4—36925
Shaw, R.F. *see* Morel, D.L. 4—50057
Shaw, S.H. System implementation and software design 4—40771
Shaw, S.H. *see* Weiss, R.A. 4—36925
Shaw, S.H. *see* Gass, S.I. *(editor)* 4—40717
Shaw, S.J. Apple to offer private-label models 4—43854
Shaw, S.J. Modem manufacturers cut costs, add features 4—54493
Shaw, T.L. *see* Clare, R. 4—34493
Shaw, V.M., O'Connell, T.R. Systematic design methodology for high density CMOS gate array 4—36907
Shaw, W.T. Installing a computer-based process control system. II 4—45156
Shay, J.L. *see* Schiavone, L.M. 4—52539
Shayanfar, A., Schlueter, R.A. Optimal modal coherent aggregation of dynamic equivalents for transient stability studies 4—56469
Shayanfar, A. *see* Schlueter, R.A. 4—45383
Shchanin, P.M. *see* Koval', N.N. 4—39404
Shchapov, Yu.M. A random-search algorithm in the problem of the adaptation of an antenna array with discrete phase shifters 4—42990
Shchavinskaya, V.M. *see* Shpigel, A.R. 4—33454, 4—43028
Shchebet, A.I., Polunin, V.N., Belousov, A.V. Influence of atmospheric pressure upon the recording properties of track detectors made from polymers 4—61715
Shcheglov, V.A. *see* Berdyshev, A.V. 4—59447
Shcheglov, V.A. *see* Biryukov, A.S. 4—59448
Shchelokov, Ya.M., Poluektov, A.V., Sazykin, Yu.K., Mukhametzyanov, N.K. Damage to boiler elements during pulse decontamination treatment of heating surfaces 4—40644
Shchemelev, V.N. *see* Mezhevich, A.N. 4—41789
Shchepetil'nikov, V.A. *see* Karasev, V.B. 4—40026
Shcherbak, L.P. *see* Panchuk, O.E. 4—30324
Shcherbakov, A.A. *see* Gerasimov, V.A. 4—31359
Shcherbakov, A.S. *see* Aksenov, E.T. 4—32880
Shcherbakov, A.S. *see* Esepkina, N.A. 4—32879
Shcherbakov, E.A. *see* Angelov, A.K. 4—42385
Shcherbakov, I.A. *see* Zharikov, E.V. 4—31364, 4—42603
Shcherbakov, V.G., Sorin, L.N., Kalikin, M.M. Electrodynamic interaction of windings of electric locomotive traction motors 4—34683
Shcherbakov, V.T., Plokhov, Yu.P., Grishenkov, V.N., Blistanova, V.S. A thermal method of nondestructive testing of large parts of carbon-reinforced plastic 4—35540
Shcherbina, A.A. Use of a graph-analytical method for planning antenna amplifiers 4—42937
Shcherbina, A.A. Main considerations and stages of design of low-directivity active antennas 4—42957
Shcherbina, A.V. *see* Knot'ko, P.N. 4—40064
Shcherbina, Yu.V., Banin, D.B., Snezhko, A.G. Simulating and optimising the steady-state conditions of power systems by the second-order method of gradients 4—45031
Shcherbina, Yu.V. *see* Klyuchko, V.I. 4—43941, 4—43943
Shcherbina, Yu.V. *see* Venikov, V.A. 4—56401, 4—56421
Shcherbinin, A.I. *see* Molodtsov, V.S. 4—56550
Shcherbinin, A.S. The problem of computing the fuel component of the cost of electric and thermal energy in slow reactor nuclear power plants 4—34296
Shcherbinskii, V.G. *see* Ushakov, V.M. 4—41131
Shchers, A.L. *see* Leont'ev, A.S. 4—32481
Shcheslavskii, D.V. *see* Volkova, N.V. 4—39813
Shchetinin, A.A. *see* Shaub, Yu.B. 4—56308
Shchetinin, V.V. *see* Ivanenko, V.D. 4—44305
Shchukin, E.D. *see* Fedoseeva, N.P. 4—36268
Shchutskii, V.I., Leont'ev, G.A. Method of determining the required sensitivity of apparatus for protection against leakage currents 4—45174
Shchutskii, V.I., Pron, V.V. General mathematical models of disturbance features affecting the safe characteristics of explosion proof electro equipment in mines 4—50448
Shchutskii, V.I., Prudnikov, V.S., Gaidashev, V.I. A mathematical model of multiple regression for estimating the instrumental stability of protective disconnection 4—49596
Shchutskii, V.I., Zadorozhnii, V.I. Breakdown currents in underground 6 kV electrical circuits during two-phase short circuits at the clamps of the secondary winding of a step-down transformer 4—62166
Shchutskii, V.I., Zhidkov, V.O., Shur, N.A. Description of the transitional processes in motor-generator systems for effective safeguards against leakage currents 4—39933
Shea, P.R., McKnight, D.R. The use of teletex as a document distribution system 4—32277
Shealy, D.L. Theoretical analysis of infrared radiation shields of spacecraft 4—61855
Shealy, J.R., Reep, D.H., Smith, P.M., Eastman, L.F. The optimization of OMVPE grown GaAs and AlGaAs materials for high performance microwave devices 4—58541
Shealy, J.R. *see* Wagner, D.K. 4—57338
Shearer, J. Prestel: British Telecom's public viewdata service 4—54178
Shearer, J. Specialised services success [Prestel] 4—60442
Shearer, M.H., Cogswell, G. Focused ion beam technology: reviewing applications research 4—51927
Sheats, J.R. Intensity-dependent photobleaching in thin polymer films by excimer laser: lithographic implications 4—41925
Sheats, L. Digital filters: An overview 4—30029
Shebolaev, I.V. *see* Chernousov, Yu.D. 4—39396
Sheehan, D.P. *see* Brecke, R.A. 4—42253
Sheehan, J. *see* Purser, M. 4—38315
Sheehan, W.E. *see* Kirby, H.W. 4—56020
Sheehy, E.J. A nuclear safety basis for assigning priorities to human engineering concerns at nuclear power plants 4—45246
Sheem, S.K. *see* Maxham, K.Y. 4—54785
Sheen, S.H., Raptis, A.C. Active acoustic cross-correlation technique applied to flow velocity measurement in a coal/liquid slurry 4—55759
Sheesley, J.H. *see* Schilling, E.G. 4—50562
Sheetov, L.N. *see* Popov, L.N. 4—38987
Shefer, R.E., Nevins, B.D., Bekefi, G. Experimental results from a rippled field magnetron (cross-field FEL) 4—30264
Shefer, R.E., Yin, Y.Z., Bekefi, G. Direct measurements of the drift velocity of an intense relativistic electron beam 4—30265
Sheffield, R.L., Stein, W.E., Lumpkin, A., Warren, R.W., Fraser, J.S. Electron beam diagnostics for the Los Alamos free-electron laser oscillator experiment 4—47373
Sheffield, R.L. *see* Warren, R.W. 4—47371
Shegai, O.A. *see* Kravchenko, A.F. 4—37198
Shehata, L.N., Saif, A.G. Pinning of a curved flux line by macroscopic inclusions in a type II superconductor 4—31059
Sheikh, A.U.H. Ignition interference in land mobile environments: measurements, characterization and models 4—59799
Sheikh, O.M. *see* Watanabe, D.S. 4—41015
Sheikovskii, D.A. *see* Pentegov, I.V. 4—35069
Shein, F., Lee, K., Milner, M. Systematic assessment of key factors to prescribe single-input interface controls 4—56168
Sheinkman, M.K. *see* Abdullaeva, S.G. 4—31218
Sheinkman, M.K. *see* Vorobev, Yu.V. 4—41804
Sheinman, O.K. *see* Lebedev, S.S. 4—35397
Shekher, C., Vaish, J.N. A study on the effect of speckle movement on the fringe contrast in holographic interferometry (HI) 4—59644
Shekhovtsev, V.V. *see* Ratynskiy, M.V. 4—31781
Shekhter, R.I. *see* Itskovich, I.F. 4—30415, 4—36328
Shekhtman, I.A. Approximate theory of gyrocons 4—46769
Shekhvatov, B.V. *see* Suvilov, E.V. 4—56307
Shekikhanov, A.M. *see* Aliev, T.M. 4—33220
Shelankov, A.L. *see* Berezovets, V.A. 4—46805, 4—51755
Sheldon, C. Facing up to testing decisions [ATE] 4—39028
Sheldon, D.H. *see* Underwood, J.M., Jr. 4—49402
Sheldon, J.S., Vye, R.R. Inspection and repair facilities for mass transit railways 4—40801
Sheldon, P., Jones, K.M., Hayes, R.E., Tsaur, B.-Y., Fan, J.C.C. Growth and patterning of GaAs/Ge single crystal layers on Si substrates by molecular beam epitaxy 4—50750
Sheldon, P. *see* Matson, R.J. 4—36334
Shelepaev, A.G. Stochastic devices for research in metrological reliability 4—55551
Shelepin, L.A. *see* Reshetnyak, S.A. 4—59378
Shelkov, G.A. *see* Krumshtein, Z.V. 4—49098
Shelley, E.G. *see* Liptak, M. 4—30281
Shelobodkin, V.A. *see* Ermolov, I.N. 4—62020
Shelswell, P. *see* Phillips, G.J. 4—60963
Shelyakin, A.A. *see* Golikova, E.G. 4—52818
Shemaev, B.V. Changes in the electrophysical characteristics of *n*-type silicon as a result of irradiation with 6.3 MeV protons 4—58722
Shemanayev, G.D. *see* Dvornikov, A.A. 4—51028
Shemetov, I.S. *see* Mikhailov, V.S. 4—42030, 4—43945

Shemwell, D.M., Cantrell, C.D. Effect of static electric fields on phase conjugation in silicon 4—59601
Shen, C. *see* Rameika, R. 4—33678
Shen, E. *see* Lee, S.J. 4—41272
Shen, H.M., King, R.W.P., Wu, T.T. The matching between an EMP simulator and the pulse generator 4—31696
Shen, H.M., King, R.W.P., Wu, T.T. The dual-measurement procedure for eliminating systematic interference 4—33452
Shen, J. *see* Castan, S. 4—53940
Shen, J.P., Ferguson, F.J. The design of easily testable VLSI array multipliers 4—58258
Shen, J.Z., Ying, C.F. Scattering of a grazing longitudinal ultrasonic wave pulse by a two dimensional crack in solid 4—50868
Shen, L. *see* Rinerson, D. 4—58342
Shen, M.N. Dynamic testing of multiple embedded arrays on the same chip by an array tester with limited I/O capability 4—29786
Shen, M.N. Multiport RAM cell structure 4—29860
Shen, M.N. Multi-port RAM cell 4—29861
Shen, M.N. *see* Bellis, R.F. 4—29865, 4—34222
Shen, M.N. *see* Daghir, K.S. 4—29654, 4—35921, 4—46427
Shen, M.N. *see* Ritchie, L.C. 4—46471
Shen, S.Gao-Zhi *see* Gao-Zhi Shen, S.
Shen, S.S. *see* Merickel, M.B. 4—61994
Shen, S.-Y. *see* Bergere, T. 4—47721
Shen, T.-M. *see* Olsson, N.A. 4—37366
Shen, W.C. *see* Dravida, S. 4—53934
Shen, W.-J. *see* Ko, W.H. 4—33235
Shen, Y.-S., Gould, L. A study on manufacturing silver-metal oxide contacts from oxidized alloy powders 4—41626
Shen Bing-fu *see* Bing-fu Shen
Shen Jian, Zhu Xinyun, Wang Zicong, Sun Birou Liquid junction photoelectrochemical cells with n-type $Cds_{1-\sigma}Se_{\sigma}$ electrodes. II. Photoelectrochemical properties of n-$CdS_{0.9}Se_{0.1}$ electrode 4—45586
Shen Jianping, Wang Zuyou Solution of optimal power flow by applying multiplier penalty function and Hessian matrix 4—45191
Shen Liqing *see* Cui Zhiguang 4—31447
Shen Pennian *see* Pan Huizhen 4—37164
Shen Qiuqin *see* Dong Xiaoyi 4—59579
Shen Sho-Chun *see* Ba En-Xu 4—52873
Shen Shouzhen *see* Yu Zhenzhong 4—61388
Shen Wei, Bian Yujing, Tian Runqing, Fan Rongmei, Pan Xiaopei Evaluation of the accuracy of hydrogen masers via portable clock 4—59364
Shen-ge Wang *see* George, N. 4—32005
Shenai, K., Eglash, S.J., Dutton, R.W., Zurakowski, M.P., Spicer, W.E. Field-enhanced tunneling and barrier lowering in Al-n^{+}GaAs-nGaAs Schottky contacts grown by MBE 4—58797
Shenai, K., Sangiorgi, E., Saraswat, K.C., Swanson, R.M., Dutton, R.W. Accurate barrier modeling of metal and silicide contacts 4—41890
Shenchu Xu *see* Xu Shenchu
Shendakov, A.I., Kirzhanovskii, V.I., Kuz'michev. A.I. Current-voltage characteristics of a high-current arc discharge in the vapor of the electrode material 4—51693
Shendakov, A.I. *see* Vorob'ev, A.S. 4—57297
Shenderovich, A.M. Quantum mechanical analysis of devices for focusing charged particle beams 4—31607
Sheng, A.P. *see* Prell, E.M. 4—60601
Sheng, D.D. Performance analysis methodology for packet network design 4—32121
Sheng, N.H., Merz, J.L. Electronically active defects in CW beam-annealed Si. II. Deep-level transient spectroscopy 4—41937
Sheng, N.H., Mizuta, M., Merz, J.L. Electronically active defects in CW beam-annealed Si. I. Electron-beam-induced current 4—41936
Sheng, P. Optical absorption of thin film of a Lambertian reflector substrate 4—45642
Sheng, T.T. *see* Chin, B.H. 4—51779
Sheng, T.T. *see* Lu, N.C.C. 4—46798
Sheng Erzhen *see* Wang Daheng *(editor)* 4—29137
Sheng Linghui *see* Huai Yiming 4—44649
Sheng-gang Liu *see* Liu Sheng-gang
Sheng-jiang Cheng *see* Cheng Sheng-jiang
Sheng-yi Chang *see* Chang Sheng-yi
Shenggang Liu *see* Liu Shenggang
Shenghua Li *see* Li Shenghua
Shengjiang Zhu *see* Zhu Shengjiang
Shengru Gu *see* Gu Shengru
Shenhua Li *see* Li Shenhua
Shenk, D.S. *see* Csencsits, R. 4—52633
Shenker, A.A. *see* Gitis, M.B. 4—35557
Shenoy, G.K. *see* Subramanian, M.A. 4—46833
Shenoy, R.P. Evolution of radar. An Indian viewpoint 4—60900
Shenoy, S.R., Agarwal, G.S. First-passage times and hysteresis in multivariable stochastic processes: the two-mode ring laser 4—31420
Shenoy, V.P., Taylor, F.J. Finite register length effects in adaptive LMS filter 4—38001
Shenoy, V.P., Taylor, F.J. Error analysis of LMS adaptive digital filter implemented with logarithmic number system 4—60088
Shenru Gu *see* Gu Shenru
Shensa, M.J. *see* Carlsson, G.C. 4—53593
Shenton, D., Cendes, Z.J. Eddy current analysis of thin film recording heads 4—31014
Shenton, D. *see* Cendes, Z.J. 4—31575
Shenton, L.R. *see* Bowman, K.O. 4—29394, 4—29429, 4—50717
Shepard, C.L. *see* Vavra, P.C. 4—53809
Shepard, J.F. *see* Johnson, C., Jr. 4—36842
Shepard, M.E., Wells, F.M. A microcomputer based zero crossing reference for industrial control applications 4—56491
Shepard, R. *see* Clapp, J.L. 4—42130
Shepel', L.G. *see* Dryapiko, N.K. 4—59324
Shepelevich, V.V. Mutual conversion of electromagnetic waves in volume holograms written in the presence of the Faraday effect 4—42742
Shephard, M.T. *see* Schwee, L.J. 4—31017
Shephard, W. *see* Ruchti, R. 4—33680
Shepherd, F. *see* Dzioba, S. 4—30710
Shepherd, F.D., Jr. Silicide infrared camera technology 4—55232
Shepherd, F.D, Jr. Schottky diode based infrared sensors 4—55235
Shepherd, F.R. *see* Levinson, J. 4—36643
Shepherd, F.R. *see* Noel, J.-P. 4—46971
Shepherd, F.R. *see* Scanlon, P.J. 4—36460
Shepherd, R. Building a simulator for the 8755 EPROM 4—35786
Shepp, L.A., Vardi, V., Ra, J.B., Hilal, S.K., Cho, Z.H. Maximum likelihood PET with real data 4—49163
Shepp, L.A. *see* Kadota, T.T. 4—40930
Sheppard, C.J.R. *see* Cox, I.J. 4—62003
Sheppard, D.A. Banking networks: essential qualities of service 4—32226
Sheppard, J.C., Gearhart, R.A., Rothbart, G.B., Pantell, R.H., Piestrup, M.A. A vacuum-ultraviolet Cerenkov radiation source 4—59716
Sheppard, J.S. Design and development of an advanced solar array drive mechanism 4—49919
Sheppard, R.J. *see* Gabriel, C. 4—49002
Shepperd, I.J. *see* Preziotti, G.R. 4—48383
Sher, D., Tevanian, A. The vote tallying chip—a custom integrated circuit 4—58386
Sher, E.M. *see* Nusinovich, G.S. 4—31260, 4—42495
Sherali, H.D., Staschus, K. Solar energy in electric utility planning: a linear programming approach 4—45366
Sherburne, R.W., Jr., Katevenis, M.G.H., Patterson, D.A., Sequin, C.H. A 32 b NMOS microprocessor with a large register file 4—51300
Sheremet'ev, A.K. Measuring noise with an amplitude discriminator 4—61516
Sheremet'ev, A.K. *see* Kalashnikov, A.M. 4—33769
Sheremetova, G.I. *see* Budennaya, L.D. 4—40433
Sherick, J.M., Staats, G.E. Status of MHD testing at the US Department of Energy's Component Development and Integration Facility (CDIF) 4—40486
Sherif, A.S.El *see* El Sherif, A.S.
Sherif, M.H., Gregor, R.J., Lyman, J. Comments on 'upper extremity limb function discrimination using EMG signal analysis 4—44751
Sherif, Y.S., Zahir, S.S. On power line carrier communication (PLC) 4—60638
Sherlock, I. Semi-switchless switch 4—51487
Sherlock, P.E. *see* Hill, D.J. 4—32858
Sherlock, R.A. Frequency response optimisation of the constant temperature detector system—a detailed root-locus analysis 4—33260
Shermakov, A.I. *see* Shushkin, A.I. 4—55686
Sherman, A. Plasma-assisted chemical vapor deposition processes and their semiconductor applications 4—29536
Sherman, B. Optics for non-visible photography 4—61385
Sherman, B.W. Analysis of fiberglass poles for electric power distribution 4—45145
Sherman, J.D. *see* Smith, H.V., Jr. 4—61651
Sherman, M.H., Grimsrud, D.T. A comparison of alternate ventilation strategies 4—40632
Sherman, R.H., Sreenivasan, K., Jimenez, J. Performance studies of multiple hop packet networks 4—54402
Sherman, R.W. Infrared imaging technique that comprehensively verifies thermal design of avionics equipment 4—56243
Sherman, S., Tebbs, J.D. Real-time PCM processing at the Tonopah test range 4—48059
Sherman, S.I. *see* Dixon, D.S. 4—59802
Shermer, T. Higher protection—lower costs 4—57783
Shermerevich, A.B. *see* Gusev, V.A. 4—36564
Sherrick, C.E. Basic and applied research on tactile aids for deaf people: progress and prospects 4—44780
Sherrill, G., Mattauch, R.J. Optimization of capacitance modulation in GaAs Schottky diode multipliers via stress relief 4—58904
Sherry, W.M. *see* Marinis, T.F. 4—58652
Shershakova, I.N. *see* Mil'vidskii, M.G. 4—58732
Shershel, V.A. *see* Babich, V.M. 4—58720
Shershnev, A.V. *see* Ivashchenko, S.S. 4—40111
Shershnev, S.S., Sirenko, N.V., Tugaenko, Yu.P. Automatic data acquisition on magnetic tape using an ES-9002 recorder 4—48786
Sherstobitov, V.E. *see* Kuprenyuk, V.N. 4—59560
Sherstobitov, V.P. *see* Zinov'ev, E.G. 4—55380
Sherstyuk, A.G. *see* Alievskii, B.L. 4—62547
Sherwin, A.G. Neutron shielding—some recent developments [for neutron therapy facilities] 4—44789
Sherwin, C., McCollough, W.V., McCrady, D.D., Johnson, S. A model for sonar bottom sounding processing 4—56312
Sherwood, D.T., Bershad, N.J. Accumulator quantization noise in the single-weight complex LMS adaptive algorithm 4—60084
Sherwood, R.C. *see* Jin, S. 4—33257
Sherwood, R.J. *see* Twogood, R.E. 4—38111
Sheshin, E.P. *see* Bondarenko, B.V. 4—41749
Shestak, L.I. *see* Adlivankin, A.S. 4—42661
Shestakov, A.M. *see* Zharikov, E.V. 4—42603
Shestakov, A.P. *see* Andronov, V.P. 4—31438
Shestakova, E.F. *see* Zhuravlev, E.N. 4—33266
Shesterikov, S.A. *see* Belotelov, S.V. 4—36315
Shestopalov, V.P., Khmyrov, B.E., Kalmykov, A.I., Sinitsyn, Yu.A., Bass, F.G., Komyak, V.A., Tsymbal, V.N., Shilo, S.A. Combination radiophysical studies of ice covers 4—56309
Shestopalov, V.P. *see* Andrenko, D.D. 4—36012
Shestopalov, V.P. *see* Koshparenok, V.N. 4—58511
Shestopalov, V.P. *see* Kostenko, A.A. 4—41881
Shestopalov, V.P. *see* Nosich, A.I. 4—31716, 4—59833
Shestopalov, V.P. *see* Varabeyev, G.S. 4—41762
Shestopalov, V.P. *see* Veliyev, E.I. 4—30071
Shestopalov, V.P. *see* Vertii, A.A. 4—41560
Shestopalov, V.P. *see* Vertiy, A.A. 4—30079
Shetty, H.J. *see* Srikantiah, R.V. 4—33731
Sheu, L. *see* Kadekodi, N. 4—55279
Shevaldykin, V.G. *see* Korolev, M.V. 4—44498, 4—61349
Shevchenko, A.G. *see* Bulatov, O.G. 4—41514
Shevchenko, A.I., Osipov, E.V. Simulation of thermometric bridge circuits 4—33517
Shevchenko, B.A. Equipment for testing inter-turn insulation 4—44435
Shevchenko, E.G. *see* Drakin, A.E. 4—47455
Shevchenko, V. *see* Arefiev, A. 4—55843
Shevchenko, V. *see* Artemiev, V. 4—61684
Shevchenko, V.I. *see* Protopopov, A.P. 4—54635
Shevchenko, V.I. *see* Rogachevskaya, G.S. 4—40270
Shevchenko, V.V. Directivity of electromagnetic radiation and cross intensity function 4—31564
Shevchenko, V.V. *see* Tolkunov, V.P. 4—34686
Shevchik, N.E. *see* Serdenshnov, A.P. 4—56584
Shevchik, N.E. *see* Serdeshnov, A.P. 4—45487
Shevchuk, B.A. *see* Manoilo, V.S. 4—46390
Shevchuk, M.G. Experience in the organization of a long-distance automatic telephone link in the Dniepropetrov electric power supply network 4—60387
Shevel', S.G. *see* Brodin, M.S. 4—37347
Shevtsov, E.I. *see* Aleksandrov, I.N. 4—40232
Shevtsov, V.M. *see* Lyamets, Yu.Ya. 4—36113
Shevyakova, N.B. *see* Mytsyk, G.S. 4—36002
Shevyrev, A.S. *see* Fesenko, L.D. 4—42505
Shewmon, D.A, Krentler, K.A. Off-line montage reformatting 4—56123
Sheynkman, V.G. Synthesis of bipolar microwave devices containing a switching element 4—51539
Shi, J., Showers, R.M. Switching transients in low current DC circuits 4—59809
Shi, J. *see* Green, M.A. 4—45649, 4—50044
Shi, W., Yu, H., Zhou, B., Zou, Y., Chou, Y., Ren, Y., Chen, Z. On space-charge scattering in undoped n-type LPE gallium arsenide 4—46811
Shi Airu *see* Jiao Zhengkuan 4—42306
Shi Bing-xue *see* Wang Ren-li 4—41180
Shi Cai-tu *see* Liu Mao-san 4—33607
Shi Chengliang *see* Su Jinwen 4—59416
Shi Guoliang *see* Su Jinwen 4—59416
Shi Huichang *see* Xiong Tongzhou 4—58447
Shi Ke *see* Wang Shuicai 4—33156
Shi Li *see* Li Shi
Shi Peisheng *see* Tu Shigu 4—31295
Shi Qinglin *see* Li Jiazhi 4—37149
Shi Shuguo *see* Sha Guohe 4—37316
Shi Tian-yuan Range accuracy and parameter administration for linear FM pulse compression radar and sonar systems 4—44159
Shi Wei-gen Adaptive testing for system diagnosis 4—44393
Shi Xiamin Improving Ge(Li) detector timing properties by means of compensation 4—39407
Shi Xiaoyang A new idea of a modulation method for the pyroelectric camera 4—61266
Shi Xing-rong *see* Su Yan-guang 4—48496
Shi Xizhi, Lin Ruiqin Zoom technique in modal analysis 4—47819
Shi Yi-he *see* Ding Mo-yuan 4—58890
Shi Zhong-ci *see* Zhong-ci Shi
Shi-Quang Tao *see* Tao Shi-Quang
Shi-rong Guan *see* Guan Shi-rong
Shi-ying Zhang *see* Zhang Shi-ying
Shi-yong Liu *see* Liu Shi-yong
Shia, G.A. *see* Taylor, E.J. 4—45593, 4—45594
Shian-Jang Su *see* Ming-Yuan Leu 4—39632
Shiba, K. *see* Yamagishi, S. 4—33540
Shiba, T. *see* Tamaki, Y. 4—29880
Shiba-Tomi, A. Fabrication process technologies of gallium arsenide integrated circuits 4—47135
Shibaev, I.N. *see* Ostrovskii, B.I. 4—48901
Shibahara, T. *see* Harahata, M. 4—39067

Shibamura, E. *see* Miyajima, M. 4—58706
Shibasaki, M., Itoh, M. Hybrid distance and hybrid capacity on networks 4—60351
Shibasaki, T. *see* Kobayashi, H. 4—60461
Shibata, A., Kita, K. Determination of generation time and surface generation velocity from voltage step responses of current and capacitance on MOS capacitor 4—30647
Shibata, H. A proposal for an aseismic design method of equipment and piping for NPPs in a low seismicity area 4—34290
Shibata, H., Terakado, R. Field distribution of the parallel-plate capacitor in an anisotropic medium 4—30134
Shibata, H., Terakado, R. Characteristics of transmission lines with a single wire for a multiwire circuit board 4—42891
Shibata, H. *see* Igarashi, K. 4—61182
Shibata, H. *see* Kohara, M. 4—58658
Shibata, H. *see* Miyamoto, J. 4—36739, 4—51240
Shibata, H. *see* Momose, H. 4—30787
Shibata, H. *see* Ushida, N. 4—56030
Shibata, I. *see* Shibata, S. 4—44551
Shibata, J., Nakao, I., Sasai, Y., Kimura, S., Hase, N., Serizawa, H. Monolithic integration of an InGaAsP/InP laser diode with heterojunction bipolar transistors 4—52948
Shibata, K. Recrystallization of silicon on insulator by electron beam annealing 4—46883
Shibata, K. *see* Inoue, T. 4—50793
Shibata, K. *see* Yamazaki, S. 4—62704
Shibata, M. *see* Sekino, Y. 4—50972
Shibata, N., Okamoto, K., Sasaki, Y. Structure design for polarization-maintaining and absorption-reducing optical fibers 4—37134
Shibata, N., Tokuda, M. Measurement of stress profiles in the preform of a polarization-holding fiber with stress-applying parts 4—52559
Shibata, N. *see* Akagiri, Y. 4—33043
Shibata, N. *see* Ishida, Y. 4—52565
Shibata, N. *see* Sasaki, Y. 4—37135
Shibata, S., Kamiya, Y., Tatsuoka, R., Munakata, K., Iida, S. Nagoya cosmic-ray muon spectrometer 4—61733
Shibata, S., Kimura, T., Sakaguchi, S., Ohmori, Y. Optical loss increase in optical fibre coated with silicone resin containing Si-D 4—52557
Shibata, S., Shibata, I., Ito, M., Kitagawa, T. Development of high resolution (16 dots/mm) thermal print head 4—44551
Shibata, S., Suzuki, M. Super clean room 4—46738
Shibata, S. *see* Suzuki, H. 4—38948
Shibata, T., Nakayama, R., Kurosawa, K., Onga, S., Konaka, M., Iizuka, H. A simplified BOX (buried-oxide) isolation technology for megabit dynamic memories 4—35809
Shibata, T. *see* Hieda, K. 4—35822
Shibata, T. *see* Hosoya, T. 4—46979
Shibata, T. *see* Iizuka, H. 4—47139
Shibata, T. *see* Minegishi, K. 4—35810
Shibata, T. *see* Moriya, T. 4—30805
Shibata, T. *see* Shindo, M. 4—29516
Shibata, T. *see* Wada, M. 4—30813
Shibata, Y. *see* Matsushita, K. 4—50773
Shibata, Y. *see* Yoshida, H. 4—52128
Shibata, Y. *see* Zaima, S. 4—36178
Shibatomi, A. *see* Abe, M. 4—30817
Shibatomi, A. *see* Imamura, K. 4—47026
Shibatomi, A. *see* Kitahara, K. 4—30318
Shibatomi, A. *see* Mimura, T. 4—36851
Shibatomi, A. *see* Mori, T. 4—30319
Shibatomi, A. *see* Yokoyama, N. 4—51227
Shibayama, H., Fukunaga, K., Kido, K. On stability of the pulse discharge sound source for acoustical measurements 4—62009
Shibita, N. *see* Iwanaga, H. 4—52025
Shibui, M. *see* Isozaki, K. 4—48105
Shibukawa, A. *see* Yamaguchi, M. 4—34875
Shibuki, M. *see* Nakagiri, K. 4—33416
Shibuya, H. *see* Ushida, N. 4—56030
Shibuya, T. *see* Harashima, F. 4—34776
Shibuya, T. *see* Ono, M. 4—47570
Shibuya, Y. *see* Akune, T. 4—31057
Shibuya, Y. *see* Yoshiyasu, H. 4—46752
Shichijo, H., Malhi, S.D.S., Chatterjee, P.K., Shah, R.R., Douglas, M.A., Lam, H.W. Characterization of n-channel and p-channel LPCVD polysilicon MOSFETs 4—36627
Shichor, E., Silverman, H.F. An improved LPC algorithm for voiced-speech synthesis 4—37899
Shick, D.V., Tiersten, H.F. Mode coupling in thickness-extensional trapped energy transducers 4—52370
Shida, S., Fushimi, S., Tsuchiya, T. FIR low-pass filter design using parametric filter technique 4—51433
Shida, S. *see* Yasukawa, A. 4—35317
Shideler, J.L, Swegle, A.R., Fields, R.A. Honeycomb sandwich structure for future space transportation systems with integral cryogenic tankage 4—61853
Shidlovs'kii, A.K., Golubenko, Yu.G., Mikhailov, I.G., Nazarova, L.L., Reztsov, V.F. On current modulation by a transverse magnetic field during discharge of induction and capacity energy accumulators caused by nonlinear resistance of the discharge channel in a liquid 4—50034
Shidlovskii, A.K., Kuznetsov, V.G. Phase-by-phase correction of randomly varying currents in a network with null conductor 4—45055
Shidlovskii, A.K., Kuznetsov, V.G. Phase-phase correction of stochastically varying currents in a circuit with a neutral conductor 4—45080
Shidlovskii, A.K., Kuznetsov, V.G., Mostovyak, I.V., Novskii, V.A. A method of high speed stabilization of the characteristics of electrical energy in three phase circuits with fluctuating unbalanced loads 4—62146
Shidlovskii, A.K., Mostovyak, I.V., Moskalenko, G.A., Novskii, V.A. Electromagnetic compatibility in three phase systems with valve type loads 4—45102
Shidlovskii, N.S. *see* Umanskii, E.S. 4—50856
Shield, D.J. *see* Toth, A.J. 4—52241
Shield, P.D. *see* Allison, W.W.M. 4—61683
Shields, A.J., Curtis, G.H., Kemp, I.J. Transverse discharge degradation of mica 4—59104
Shields, M. *see* Dahl, E.A. 4—48775
Shields, V., Noon, L. Sublimation measurements and analysis of high temperature thermoelectric materials and devices 4—40499
Shier, C.W. *see* Johnson, G.W. 4—60132
Shier, D.R. *see* Haymond, R.E. 4—29352
Shier, J.S. *see* Hester, R.E. 4—62566
Shier, R.M. *see* McCollor, D.C. 4—33963
Shif, V.B. *see* Dmitriev, A.Ya. 4—32932
Shigaki, M., Daido, Y., Takeda, Y., Imamura, K., Suzuki, H. 5 GHz GaAs monolithic astable multivibrator type voltage controlled oscillator 4—41603
Shigehara, T. *see* Usami, S. 4—33615
Shigematsu, H. *see* Yasumoto, K. 4—47608
Shigematsu, Y. *see* Saburi, M. 4—56128
Shigenaga, M. *see* Nakamura, K. 4—52789
Shigesawa, H., Tsuji, M., Hirata, H., Song-Tsuen Peng, Oliner, A.A. Direct experimental confirmation of new leakage effects on open dielectric strip waveguides 4—31151
Shigesawa, H. *see* Nishimura, M. 4—42848, 4—42920, 4—53203
Shigesawa, H. *see* Tsuji, M. 4—51517
Shigeyasu, K. A method of noise cancellation with software for echo sounder 4—42890
Shigeyasu, K., Ogasawara, M. Analysis of noise cancellation for an echo sounder using random numbers 4—42889
Shighara, M., Moriya, K., Ohkuto, K. Optical connector using a press-shaped ferrule 4—54780
Shigu Tu *see* Tu Shigu
Shih, C.C. *see* Koepsel, W.W. 4—40538
Shih, C.C. *see* Lu, N.C.C. 4—46798
Shih, C.-C. Small-signal gain spectrum of high-gain free electron lasers 4—47378
Shih, H.D., Bayraktaroglu, B. Growth of millimeter-wave distributed GaAs IMPATT structures by molecular beam epitaxy 4—52050
Shih, H.D. *see* Frensley, W.R. 4—58547
Shih, H.D. *see* Yuan, H. 4—51169
Shih, I., Vahid Shahidi, A., Champness, C.H. Some characteristics of In-diffused $CuInSe_2$ homojunctions 4—51829
Shih, I. *see* Ding, L. 4—37193
Shih, Y.-C. Design of waveguide E-plane filters with all-metal inserts 4—51519
Shih, Y.P. *see* Hwang, C. 4—43327
Shih Wei Hui Partial differential equations—analytical solutions of the equation for a general fluid 4—35442
Shih Yenyang A general purpose CAD program for microwave linear circuits 4—58513
Shih Yih-Cheng *see* Yih-Cheng Shih
Shiheng Hu *see* Hu Shiheng
shiiki, K. *see* Kumasaka, N. 4—30962
Shijian Yan *see* Yan Shijian
Shik, A.Ya. *see* Petrosyan, S.G. 4—30416
Shikada, M., Emura, K., Fujita, S., Kitamura, M., Arai, M., Kondo, M., Minemura, K. 100 Mbit/sec ASK heterodyne detection experiment using 1.3-μm DFB laser diodes 4—54810
Shikada, M., Emura, K., Minemura, K. High sensitivity optical PSK heterodyne differential detection simulation experiments 4—60877
Shikagawa, N. *see* Alsbach, W. 4—34765
Shikagawa, N. *see* Tsuya, N. 4—34766
Shikama, T., Ujihashi, Y., Matsuda, C., Takahashi, H. The layer model and error control for satellite communications 4—32749
Shikano, K. *see* Aikawa, K. 4—53475, 4—59961
Shikano, K. *see* Sugiyama, M. 4—31913, 4—31923
Shikata, S. *see* Igura, K. 4—62755
Shikata, T., Miyoshi, M., Matusmoto, T. High heat flux titanium tubes for OTEC 4—45367
Shiktorov, N. *see* Cesnys, A. 4—58751
Shiktorov, P.N. *see* Starikov, E.V. 4—41843
Shilal'nikas, V.I. *see* Pozhela, Yu.K. 4—58725
Shilenas, A. *see* Kavaliauskas, A. 4—58734
Shili Zhang *see* Zhang Shili
Shiliang, W., Meidong, L. Experimental study of the ZnO varistor conduction model 4—58557
Shilkov, V.V. *see* Luk'yanenko, E.A. 4—50859
Shilling, K.D. *see* Seidel, V. 4—39452
Shilo, S.A. *see* Shestopalov, V.P. 4—56309
Shilov, A.M. *see* Kopylov, V.I. 4—61321
Shilov, S.G. *see* Baskin, L.B. 4—40256
Shilov, S.G. *see* Tokarev, B.F. 4—34687
Shilov, V.V. *see* Kaimakov, A.A. 4—29214
Shilova, M.V. *see* Drozdov, Yu.N. 4—37194
Shilston, M.J. *see* Babus'Haq, R.F. 4—56789
Shilston, M.J. *see* Jambunathan, K. 4—40832
Shilston, N.L. Movement detection for a conditional replenishment codec 4—44309
Shim Cho Kyu *see* Kyu Shim Cho
Shim Yong Geol *see* Yong Geol Shim
Shim Young Serk *see* Young Serk Shim
Shima, S. The evolution of consumer VTRs—technological milestones 4—55061
Shima, S., Moriya, T., Kashiwagi, M. A new application of Al-Si films coated with TiSi in VLSI multi-level interconnections 4—42140
Shima, S. *see* Inaba, H. 4—57072
Shima, S. *see* Moriya, T. 4—36496
Shimabukuro, F.I., Lazar, S., Chernick, M.R., Dyson, H.B. A quasi-optical method for measuring the complex permittivity of materials 4—55639
Shimada, K., Higashiguchi, M., Otsu, Y. Characteristics of atmospheric attenuation at 35 GHz obtained by Sun-tracker measurement 4—31657
Shimada, K., Higashiguchi, M., Otsu, Y. Characteristics of atmospheric attenuation at 35 GHz obtained by Sun tracker measurement 4—59740
Shimada, K., Ikeda, H., Saijo, T. Reactive power compensated cycloconverter Maglev motor drives 4—62626
Shimada, K. *see* Ferber, R. 4—34876
Shimada, K. *see* Yamasaki, K. 4—52285
Shimada, M. *see* Yoshimura, K. 4—47588
Shimada, R., Yamamoto, Y., Aoe, J., Ohkura, Y., Horie, Y. HH-type cyclic ST-AN codes 4—31875
Shimada, S. *see* Hanazawa, T. 4—38407
Shimada, S. *see* Yamada, K. 4—52177
Shimada, T., Hori, M., Tashiro, H., Toyoda, K., Namba, S. Effect of unstable resonator on injection locking of a TEA-CO_2 laser 4—47481
Shimada, T., Obokata, T., Fukuda, T. Growth and resistivity characteristics of undoped semiinsulating GaAs crystals with low dislocation density 4—58003
Shimada, T. *see* Okazaki, N. 4—58335
Shimada, T. *see* Tashiro, H. 4—31307
Shimada, Y. Initial permeability of amorphous films with multilayered structure 4—52451
Shimada, Y., Ohmae, Y., Hasegawa, E. Optical transmitters for instrumentation 4—54772
Shimada, Y. *see* Katoh, K. 4—42052, 4—42155
Shimada, Y. *see* Ohmae, Y. 4—55429
Shimada, Y. *see* Utsumi, K. 4—58659
Shimakura, S. *see* Okada, T. 4—59738
Shimamoto, K. *see* Uchikawa, F. 4—33252
Shimamoto, S. *see* Tada, E. 4—31080
Shimamura, M. *see* Miyawaki, S. 4—33183
Shimamura, Y. *see* Okumura, K. 4—58344
Shimanaev, A.N. *see* Kravchuk, A.N. 4—45517
Shimanovich, M.Sh., Kanter, V.D., Shubin, B.A., Bernshtein, A.E. Determination of the required power under power controlled conditions in coal mines 4—62895
Shimansky, D., Rassy, E.I. Adhesive systems in electronic assembly 4—35296
Shimanuki, Y. *see* Nakajima, N. 4—42962
Shimaoka, H. *see* Ono, T. 4—48729
Shimasaki, N., Goto, H. A study on a universal intra-premises network 4—32606
Shimaya, M., Nakajima, O., Hashimoto, C., Sakakibara, Y. Reduction of electron-beam-induced damage in MOS devices using three-layer resist with heavy metal interlayer 4—52126
Shimazaki, K. No.2 ready access terminal box with excellent reliability and workability for subscriber network 4—43841
Shimazaki, K. Standard cells with composite amalgam cathode and their application 4—48980
Shimazoe, M. *see* Yamada, K. 4—52177
Shimazu, Y., Okunaka, J., Sakai, H., Yokoyama, Y. Access protocol and user interface for message handling system 4—54359
Shimazu, Y. *see* Yatani, T. 4—54039
Shimbo, O. *see* Albuquerque, J.P.A. 4—31845, 4—47729, 4—47730
Shimegi, H. *see* Yamamoto, T. 4—59145
Shimell, P. Five case studies in videotex networking 4—48133
Shimer, D.W. *see* Owen, E.W. 4—59174
Shiming Li *see* Li Shiming
Shiming Xu *see* Xu Shiming
Shimizu, A., Hase, M. Entry method of fingerprint image using prism 4—52753
Shimizu, A. *see* Kume, H. 4—42139
Shimizu, H. A synchronously triggered packet loop for wideband and multiple services communications 4—32578
Shimizu, H., Nakamura, K., Oyama, S. A piezoelectric single-plate bending vibrator using interdigital electrodes 4—52374
Shimizu, H. *see* Hirose, S. 4—52375
Shimizu, H. *see* Hotta, S. 4—58371
Shimizu, H. *see* Iseki, Y. 4—42206
Shimizu, H *see* Kasahara, M. 4—32236
Shimizu, H. *see* Nakamura, K. 4—52336
Shimizu, H. *see* Tanaka, T. 4—30786
Shimizu, H. *see* Wada, M. 4—31390

Shimizu, H. *see* Watanabe, H. 4—30925, 4—59107
Shimizu, I. *see* Sasaki, S. 4—57844
Shimizu, I. *see* Suwa, K. 4—32700
Shimizu, K. *see* Fukuzawa, J. 4—47822
Shimizu, M., Masuda, K. Estimation of angular errors in wind-aloft observation and errors of wind speeds and directions due to them 4—60898
Shimizu, M., Nakamura, G. Expressions for the number of 2-3 trees with *n* leaves 4—57929
Shimizu, M. *see* Ishikawa, S. 4—50242
Shimizu, M. *see* Takagi, A. 4—43273
Shimizu, N. Fusion splicing between deposited silica waveguides and optical fibers 4—42401
Shimizu, N., Tanaka, M. A bit-serial parallel processor for *LU* decomposition 4—29928
Shimizu, N. *see* Ishihara, K. 4—52341
Shimizu, N. *see* Nakashima, H. 4—59100
Shimizu, R. *see* Gamo, K. 4—46239
Shimizu, R. *see* Kyser, D.F. *(editor)* 4—29126
Shimizu, S., Kamatani, Y., Toyoda, N., Kanazawa, K., Mochizuki, M., Terada, T., Hojo, A. A 1 GHz 50 mW GaAs dual modulus divider IC using source-coupled FET logic 4—51387
Shimizu, S. *see* Hasegawa, S. 4—41849
Shimizu, S. *see* Kawamoto, H. 4—51246
Shimizu, T. *see* Shoji, K. 4—44145
Shimizu, Y., Naito, M., Murakami, S., Terasawa, Y. High-speed low-loss p-n diode having a channel structure 4—58893
Shimizu, Y. *see* Fukuda, B. 4—31026
Shimkene, I. *see* Krotkus, A. 4—46837
Shimoda, H., Itoyama, N., Chikira, K., Moritani, K., Yuuki, S., Mizota, T. Measurement of blade vibratory stress in a blast furnace top pressure recovery turbine 4—57601
Shimoda, Y. *see* Uno, T. 4—30910
Shimodaira, M., Matsuda, S. Development of ultrathin silicon and gallium arsenide solar cell for space application 4—57366
Shimogaki, K., Iwai, I., Yoshiike, H. The luminous efficacy of an incandescent lamp which has an infrared reflective film 4—45739
Shimohashi, A. *see* Ito, Y. 4—55227
Shimohigashi, K. *see* Sunami, H. 4—47133
Shimojo, Y. *see* Kitamura, A. 4—38412
Shimokawa, K. *see* Makishima, H. 4—30276
Shimomichi, Y. *see* Kusuda, Y. 4—61267
Shimomoto, Y. *see* Kusano, C. 4—36230
Shimomura, S. *see* Fujiyasu, H. 4—51854
Shimomura, T. *see* Mizukami, Y. 4—56561
Shimomura, T. *see* Ogawa, K. 4—33682, 4—61670
Shimono, T. *see* Fujiwara, H. 4—58269
Shimono, T. *see* Kitajima, H. 4—33964
Shimoseko, S., Murakami, H., Mochizuki, R., Yokoyama, S., Kajikawa, M., Arai, K Analytical results of BSE beam pointing and attitude control performance 4—32729
Shimotake, H. *see* Hiroi, M. 4—57324
Shimotake, H. *see* Ishikawa, R. 4—40516
Shimotori, K. *see* Fujishima, K. 4—58330
Shimotsuma, W. *see* Takashima, Y. 4—53162
Shimozuru, Y. *see* Sugiyama, N. 4—31149
Shimpo, Y. *see* Nakatsuka, S. 4—60621
Shimulyte, E. *see* Kavaliauskas, A. 4—58734
Shimura, S. *see* Sakai, Y. 4—54447
Shin, R.T., Kong, J.A. Scattering of electromagnetic waves from a randomly perturbed quasi-periodic surface 4—47582
Shin, S.C., Hilliard, J.E., Ketterson, J.B. Anomalous transport properties of a new compositionally modulated semiconductor-semimetal system: PbTe-Bi 4—46861
Shin, V.N., Koroleva, T.P. Equipment for production of spiral-type split core pieces 4—52466
Shin, Y.-S., Kim, C.-K. A two-dimensional model for the excess interstitial distribution in silicon during thermal oxidation 4—46796
Shin Chul Jae *see* Chul Jae Shin
Shin Sang-Yung *see* Sang-Yung Shin
Shin Yoon Ki *see* Yoon Ki Shin
Shin-Tson Wu, Efron, U., Hess, L.D. Optical rotatory power of 90° twisted nematic liquid crystals 4—37174
Shinada, K. *see* Tanaka, S. 4—51233
Shinada, T. *see* Ueha, S. 4—56352, 4—61534
Shinagawa, K. *see* Kugiya, F. 4—31009
Shinaishin, M.A. *see* Sobhi, M. 4—34366
Shinar, J., Medinah, M., Biton, M. Singular surfaces in a linear pursuit-evasion game with elliptical vectograms 4—46098
Shinbo, Y. *see* Okada, Y. 4—36965
Shindo, I. *see* Kimura, S. 4—35463
Shindo, M., Sato, S., Myokan, I., Mano, S., Shibata, T. High rate preparation of a-Si:H by reactive evaporation method 4—29516
Shinev, H.D., Sturkova, R.I. Fibrous absorbing fabric for the absorption of electromagnetic waves 4—42832
Shing Tang *see* Tang Shing
Shing Zhung Cjiou *see* Kano, T. 4—42472
Shingai, S. *see* Ozawa, K. 4—35369
Shingai, S. *see* Takagari, K. 4—50594
Shinghal, R. *see* Naccache, N.J. 4—60182
Shingo, Y. *see* Den, H. 4—56620
Shinji, O. *see* Kojima, T. 4—31148
Shinkai, T., Iioka, M., Kamatsu, K., Sato, Y. Totally distributed digital control system for a large coal-fired power plant 4—40088
Shinkarenko, G.V., Solokha, V.Ya., Bondyrev, A.N. Discrete signal pickup for the monitoring system of relay protection devices 4—56707
Shinkarenko, G.V. *see* Alliluev, A.A. 4—49641
Shinmi, T., Inohira, S., Nagata, M., Hosono, E., Iida, K., Furihata, M. I^2L device circuit model with layout patterns 4—59016
Shinmi, T. *see* Sato, M. 4—36817
Shinmoto, S. *see* Hall, D.S. 4—34340
Shinmura, T. *see* Doi, K. 4—57563
Shinn, J.L. *see* Gupta, R.N. 4—44803
Shinn, N.D. *see* Morar, J.F. 4—51999
Shinnick, W. *see* Farrant, M. 4—54786
Shinno, K. *see* Fujita, M. 4—31632
Shinoda, M. *see* Daimon, M. 4—47317
Shinoda, S., Sengoku, M., Omura, K., Shirakawa, I. A theorem on a centrality function of a network 4—40966
Shinoda, S., Yamaguchi, I., Omura, K., Shirakawa, I. Graph-theoretic and algebraic foundations for parameter-value determination of analog circuits 4—41150
Shinoda, T. *see* Kuroiwa, D. 4—34203
Shinoda, T. *see* Uchiike, H. 4—48973
Shinoda, Y. *see* Nishioka, T. 4—50777
Shinoda, Y. *see* Ohmachi, Y. 4—37245
Shinohara, A. *see* Fukumoto, M. 4—30806
Shinohara, H., Hatano, S., Kukita, S., Maekawa, E. Design and characteristics of optical cables for use in subscriber loops 4—44094
Shinohara, H., Kawase, M., Kukita, S., Hatano, S. Improvement of transmission characteristics for jelly filled optical cable 4—48490
Shinohara, H., Kawase, M., Saito, K. Transmission characteristics for overhead optical fiber cable 4—42357
Shinohara, H. *see* Anami, K. 4—47125
Shinohara, H. *see* Kawase, M. 4—42355
Shinohara, H. *see* Sugawara, Y. 4—54760
Shinohara, H. *see* Yamazaki, S. 4—62704
Shinohara, K., Nishijima, Y., Fukuda, H. $Pb_{1-x}Sn_xTe$ lasers with high efficiencies 4—59503
Shinohara, K., Nonaka, S. Stability improvement of a current source inverter induction motor drive system 4—50138
Shinohara, K. *see* Kunieda, T. 4—44286
Shinohara, M. The analysis and control of reat-tempt phenomenon 4—53980
Shinohara, M., Ito, T., Wada, K., Imamura, Y. Electrical properties of oval defects in GaAs grown by MBE 4—51772
Shinohara, M. *see* Hyuga, F. 4—59156
Shinohara, S. *see* Oikawa, H. 4—54471
Shinoki, F., Shoji, A. Superconducting thin films for Josephson devices 4—52486
Shinoki, F. *see* Shoji, A. 4—51190, 4—52484, 4—52485
Shinoki, T. *see* Yokoyama, N. 4—51227
Shinomiya, S. *see* Okada, Y. 4—40245
Shinoyama, S. *see* Tohno, S. 4—30508
Shinozaki, M. *see* Yahagi, T. 4—32051
Shinozaki, S. *see* Matsumoto, Y. 4—36632
Shinozuka, T. *see* Yoshimura, K. 4—47588
Shinriki, M. *see* Guibord, A.F. 4—31810
Shinriki, M. *see* Sasase, I. 4—43371
Shintaku, K. *see* Kobayashi, I. 4—31315
Shintani, A., Kusaka, T., Mizuo, S., Hayashi, K., Okuhira, H. The influence of thermal silicon nitride formation on VLSI fabrication 4—30802
Shintani, A. *see* Kimura, S. 4—41106
Shintani, S. *see* Kobayashi, H. 4—47741
Shintani, T. *see* Hirashima, T. 4—52674
Shinzawa, M., Seto, H., Saga, K., Yoshida, M. A new data-network (DDX) support system for the MELCOM-COSMO series of industrial computers 4—60524
Shinzawa, M. *see* Ikeda, K. 4—32406
Shiokawa, S. *see* Nomura, T. 4—44932
Shiokawa, T., Aoyagi, Y., Kim, P.H., Toyoda, K., Namba, S. 30 nm line fabrication on PMMA resist by fine focused Be ion beam 4—36390
Shiokawa, T. *see* Karasawa, Y. 4—42869, 4—54675
Shiokawa, T. *see* Matsui, S. 4—30524
Shiomi, H. *see* Umezu, T. 4—61542
Shiomi, Y., Shizuya, O., Yoshimura, Y., Katayama, K., Uwano, T., Saka, H., Tanaka, T. SHF direct satellite broadcasting receiver 4—54986
Shiono, N. *see* Ohfuji, S. 4—51895
Shionoya, S. *see* Kanemitsu, Y. 4—41953, 4—41954
Shiosaki, T., Tanizaw, M., Kamei, H., Kawabata, A. Laser micromachining of a modified $PbTiO_3$ ceramics in KOH water solution 4—52331
Shiota, F., Hara, K., Hirata, T. Improvement of the superconducting magnetic levitation system for an absolute determination of the magnetic flux quantum 4—39003
Shiota, H., Akaike, D., Yanami, H., Sato, K., Hakoi, N. 240 kV gas-insulated switchgear for the Takano Switchgear Station of Kyushu Electric Power Co. 4—34798
Shiota, N. *see* Tanaka, H. 4—31021
Shiotani, T., Ishibashi, Y., Ogasawara, M., Okano, K. Teletext and videotex decoder for North America 4—54202
Shiou-yuan Huang The design and implication of packet switching system 4—48237
Shioya, H. *see* Nakamura, K. 4—51747, 4—52789
Shioyama, T. *see* Mine, H. 4—53961
Shiozawa, T., Nakashima, T. Optimum beam thickness for the Raman-type free-electron laser using a two-dimensional hollow beam 4—59379
Shipillo, V.P., Zezyul'kin, G.G. Impulse model of polyphase valve converters 4—57153
Shipilov, V.I. *see* Bikineev, V.A. 4—61707
Shiping Lu *see* Lu Shiping
Shipkov, P.Ya. Some aspects of electrification efficiency in farming 4—35101
Shipley, J.F. *see* Ellis, T.E. 4—46670
Shipley, K.L. *see* Rosenberg, A.E. 4—53511
Shippar, D.J. Fiber optics in phase wire solves communication problem 4—54775
Shipstone, D.M. A study of children's understanding of electricity in simple DC circuits 4—57721
Shiqiang Liao *see* Liao Shiqiang
Shiqing Tang *see* Tang Shiqing
Shirachi, D., Crosby, B. Codecs—a challenge to in-circuit testing 4—60552
Shirafuji, J., Kuwagaki, M., Inuishi, Y. Substrate temperature dependence of electron drift mobility in glow-discharged hydrogenated amorphous silicon 4—30356
Shirafuji, J. *see* Koyama, J. 4—51860
Shirafuji, J. *see* Nakajima, S. 4—52061
Shirai, K., Kobayashi, T. Phrase speech recognition of large vocabulary using feature in articulatory domain 4—53550
Shirai, T. *see* Takanohashi, T. 4—42480
Shirai, T. *see* Yamamura, T. 4—48480
Shirai, Y., Yamakawa, T., Ueno, F. A CAD oriented synthesis of fuzzy logic circuits 4—58268
Shirai, Y. *see* Otsuka, K. 4—57838
Shiraishi, F. *see* Hosoe, M. 4—56024
Shiraishi, F. *see* Takami, Y. 4—33710
Shiraishi, K., Sugaya, S., Kawakami, S. Fiber Faraday rotator 4—37179
Shiraishi, M. *see* Takamatsu, Y. 4—58272
Shiraishi, N. *see* Taniguchi, T. 4—50718
Shirakawa, I. *see* Fukui, M. 4—58237
Shirakawa, I. *see* Harada, I. 4—58236
Shirakawa, I. *see* Kimoto, T. 4—50905
Shirakawa, I. *see* Shinoda, S. 4—40966, 4—41150
Shirakawa, M. *see* Sugai, M. 4—58387
Shiraki, H. *see* Tokuyoshi, F. 4—51238
Shiraki, Y. Silicon molecular beam epitaxy 4—41065
Shiraki, Y. *see* Ishizaka, A. 4—41067, 4—58025
Shiraki, Y. *see* Katayama, Y. 4—30623
Shiraki, Y. *see* Matsui, M. 4—30641
Shirane, K. *see* Hokkyo, J. 4—30995
Shirasaki, S. *see* Takahashi, K. 4—29547, 4—52438
Shirato, T. *see* Gotoh, K. 4—54502
Shiratori, N. *see* Matsuyama, A. 4—48244
Shiratori, N. *see* Takahashi, K. 4—48243
Shiratori, N. *see* Varakulsiripunth, R. 4—53981
Shirayama, S. *see* Wimpee, L.C. 4—33897
Shirazi, K.M. *see* Sohrabi, M. 4—55879
Shirkey, W.D. *see* McNulty, P.J. 4—55884
Shirkovskaya, A.O. *see* Zaitsev, S.V. 4—61512
Shirland, F.A. *see* Farrow, R.F.C. 4—46223, 4—50761
Shirland, F.A. *see* Wood, S. 4—50776
Shirley, A. *see* Vas, P. 4—57012
Shirley, M., Davis, R. Generating distinguishing tests based on hierarchical models and symptom information [digital equipment testing] 4—29757
Shirmohammadi, D. *see* Semlyen, A. 4—45046
Shiroishi, Y. *see* Kumasaka, N. 4—30962
Shirokov, A.A., Potselueva, L.P., Zakharov, I.S. Influence of annealing on charge storage in InSb MIS structures 4—30435
Shirokov, V.S. *see* Gundarov, V.P. 4—56082
Shirreffs, B.F., Cheng, C.H., Geib, K., Jones, K.A. CdS films grown by spray pyrolysis in an N_2 ambient 4—29508
Shirshov, Yu.M., Nabok, A.V. Static and dynamic volt-ampere characteristics of electrolyte-nitride-oxide-silicon systems 4—36361
Shirshov, Yu.M. *see* Nabok, A.V. 4—30443
Shisharin, A.V., Uslugin, N.F. Optical differential-modulation correlometer for extracting LFM (linear frequency modulation) signals from noise 4—43449
Shishchenko, V.V. The thermochemical method for softening mineralized water of thermal power plants 4—40063
Shishikui, Y. *see* Masuda, S. 4—56646
Shishkauskas, A.A. Automation of mounting of microcircuits on printed circuit boards 4—51640
Shishkin, A.I. *see* Aksenov, E.T. 4—32880
Shishkin, A.I. *see* Esepkina, N.A. 4—32879
Shishkin, V.F. *see* Reizin, V.L. 4—40072
Shishkina, T.V. *see* Klokov, V.V. 4—40648
Shishko, A.A. *see* Koshilev, N.A. 4—42775
Shishko, V.I. *see* Meshkov, A.N. 4—51042
Shishkov, A.B. *see* Kudryashov, B.A. 4—48823

Shishkov, I.S. Power transducer 4—61344
Shishkova, T.P. *see* Boyadzhiev, Ya.S. 4—45988
Shishu Li *see* Li Shishu
Shitanda, K. *see* Kohda, T. 4—43006
Shitov, V.G. Choice of an astatic system for controlling the DC motors for altazimuth mountings of γ-ray telescopes 4—57050
Shitsman, S.E. Final results of energy production and stimulation of thermal power plant personnel 4—35224
Shiva, S.G. On the selection and development of an HDL 4—35588
Shiva, S.G.S. *see* Benyamin-Seeyar, A. 4—43165
Shiva, S.G.S. *see* Huang, J.F. 4—43106
Shivakumar, G.K. *see* Moorthy, P.A.K. 4—29514
Shivaprasad, A.P. *see* Nasr, M.E.M. 4—58405
Shivaprasad, A.P. *see* Shivashankar, H.N. 4—43864
Shivaprasad, S.M. *see* Angadi, M.A. 4—58637
Shivashankar, H.N., Shivaprasad, A.P. Ternary multiplexer using binary gates and realization of ternary multiplier 4—43864
Shively, J. *see* Felch, K. 4—36198
Shively, J. *see* Jory, H. 4—36188
Shively, R.R., Robinson, W.V., Jr., Orton, D.E. Cascading transmission gates to enhance multiplier performance 4—51133
Shively, S.D. A local area network for NATO war headquarters 4—54386
Shivris, O.N. *see* Golosova, S.Ya. 4—32886
Shiyu Xu *see* Xu Shiyu
Shizhan Lei *see* Lei Shizhan
Shizhan Leri *see* Leri Shizhan
Shizheng Chen *see* Chen Shizheng
Shizheo Chen *see* Chen Shizheo
Shizuya, O. *see* Shiomi, Y. 4—54986
Shkadarevich, A.P. *see* Asaenok, N.A. 4—59490
Shkadarevich, A.P. *see* Basiev, T.T. 4—31365
Shkaruba, M.V., Lipin, B.B. Arkad'ev-Marx generator with resistive couplings 4—35691
Shkatov, E.F. Pneumoresistor transducer for pressure differential 4—55418
Shkerdin, G.N. *see* Gulyayev, Yu.V. 4—42671
Shkirov, V.S. *see* Grinchenko, V.T. 4—41086
Shklovskii, B.I. Positive magnetoresistance in the variable-range hopping region 4—30300
Shklovskii, I.G. *see* Namitokov, K.K. 4—49996
Shkoda, A.A. *see* Lazarevich, G.G. 4—62616
Shkolnik, S. *see* Tabak, D. 4—46586
Shkol'nikov, E.I. *see* Livshits, E.S. 4—34857
Shkol'nikov, V.G. *see* Man'kin, I.A. 4—36217
Shkunov, V.V. *see* Mamaev, A.V. 4—53060
Shkvar, A.M., Svechnikov, S.V. Dynamic classification of shapes in multilayer neuronlike structures 4—56070
Shleifman, I.L. *see* Kukhitov, V.A. 4—57245
Shlepskii, A.A. *see* Mazhorova, O.S. 4—29479
Shleye, V.R., Aubakirov, K.Ya., Voronin, M.Ya. A numerical method for analysis of nonuniform multi-conductor lines 4—31718
Shleye, V.R., Efimenko, A.V., Voronin, M.Ya. Relief-coupled microstrip lines 4—31719
Shliakhter, E.M. *see* Kuritsyn, A.M. 4—40594
Shliapnikoff, G., Kerr, R.H. Protecting polyphase motors against open phase operation in unit substations 4—56946
Shlikhtov, S.N. *see* Gutkin, A.A. 4—31258
Shloma, A.M., Gol'fel'd, G.B. Incoherent sequential detection of signals on a background of passive interference 4—53659
Shloma, A.N. *see* Gol'fel'd, G.B. 4—53643
Shlyakhin, V.M. Statistical characteristics of errors in the measurement of the coordinates of extended targets [radar tracking] 4—32845
Shlyazhas, V.-I. V. *see* Baltrunas, I.I. 4—35361
Shmakov, M.S. *see* Kuznetsov, A.P. 4—52211
Shmal'ko, A.V. Mode excitation of optical strip waveguides and fibers by end-fire mutual coupling 4—42330
Shmal'ko, A.V. *see* Dedushenko, K.B. 4—31175
Shmal'ko, A.V. *see* Semchenko, O.N. 4—59834
Shmartsev, Yu.V. *see* Gerasimov, N.P. 4—51911
Shmartsev, Yu.V. *see* Golubev, L.V. 4—50789
Shmartsev, Yu.V. *see* Polyanskaya, T.A. 4—46803
Shmelev, G.M. *see* Tsurkan, G.I. 4—30294
Shmelev, V.E. *see* Karasev, V.B. 4—40026
Shmelev, V.M. *see* Margolin, A.D. 4—37305
Shmilevich, A.M. *see* Serdyuk, V.V. 4—46821
Shmoys, D.B. *see* West, D.B. 4—50653
Shnaider, D. Taking videotex to market: the CBS role in the joint CBS/AT&T Ridgewood trial 4—48174
Shnaider, F.F. *see* Lidak, V.Yu. 4—46407
Shnaider, V.K. *see* Vtyurin, Yu.N. 4—40680
Shneidman, I.B. *see* Kotov, V.M. 4—37201
Shneidman, M.I. *see* Kotov, V.M. 4—37201
Shnigel', O.N. *see* Galandarov, G.A. 4—47354
Shnitzer, I. *see* Gover, A. 4—52842
Shnyakin, A.V., Sukhov, V.Yu., Zubov, V.M. Locating air leak sites in vacuum system of steam turbines equipped with water jet ejectors 4—34428
Shnyrkov, V.I., Tsoi, G.M., Kartsovnik, V.V., Tinchev, S.S. Nonadiabatic phenomena in a superconducting ring closed by a Josephson contact 4—37071
Sho-Chun Shen *see* Shen Sho-Chun
Shoamanesh, A., Baillie, A., Guibord, A., Forsey, R.J. Technical considerations concerning feeder links to a Canadian broadcasting satellite 4—32764
Shoamanesh, A. *see* Weese, D.E. 4—60802
Shoat, D. *see* Macfarlane, P.W. 4—49278
Shodja, S. *see* LeBold, W.K. 4—35178
Shoemaker, J.D. *see* Avery, W.H. 4—34523
Shoemaker, R.L. *see* Maenner, R. 4—53856
Shoffstall, D.R. *see* Adamski, J.L. 4—47485
Shoffstall, D.R. *see* Grossman, W.M. 4—47367
Shoful, A.K. *see* Yakovenko, V.A. 4—46395, 4—50241
Shoham, Y. *see* Cheng, D.-Y. 4—53919
Shoham, Y. *see* Gersho, A. 4—53524
Shoji, A., Aoyagi, M., Shinoki, F. Fabrication of Josephson tunnel junctions with NbN electrodes 4—52484
Shoji, A., Kosaka, S., Shinoki, F. Integration of single-flux-quantum memory cells with NbN and Nb films as electrodes 4—51190
Shoji, A., Shinoki, F., Kosaka, S. Analysis of (NbN, Nb) double-layered electrodes 4—52485
Shoji, A. *see* Shinoki, F. 4—52486
Shoji, K., Hayashi, S., Shimizu, T., Matsuno, T. 2-Dimensional distribution of radar echo from ships 4—44145
Shoji, K., Kasahara, T. Field check system for broadcast station 4—54927
Shoji, K. *see* Gobho, Y. 4—54166
Shoji, T. *see* Ito, S. 4—33713
Shoji, T. *see* Kimura, M. 4—29904
Shoji, T. *see* Murayama, A. 4—59660
Sholomov, L.A. Survey of estimational results in choice problems 4—35391
Shon, S., Mehrotra, K. Performance comparison of autoregressive estimation methods 4—53734
Shon Ngueyen Hong *see* Ngueyen Hong Shon
Shone, F.-C. *see* Kuo, J.-B. 4—51428
Shongqiang Lin *see* Lin Shongqiang
Shoniya, V.M. *see* Andreeshchev, E.A. 4—33720
Shono, K. *see* Kim, C. 4—51986
Shono, K. *see* Sugiura, S. 4—41863
Shopin, G.P. *see* Mednikov, V.A. 4—46597
Shoquist, M.C. The evolution of fiber optic serial interfaces in naval tactical data systems 4—38660
Shore, J.E. *see* Buck, J.T. 4—43288
Shore, J.E. *see* Burton, D.K. 4—43282, 4—53510
Shore, J.E. *see* Johnson, R.W. 4—31916, 4—43281, 4—43382, 4—47844, 4—53728
Shore, K.A. Analysis of closely-spaced index-guided semiconductor lasers. I. Multistripe devices 4—37374
Shore, K.A. Analysis of closely-spaced index-guided semiconductor lasers. II. Single-stripe channel-guide structures 4—37375
Shore, K.A. Radiation patterns for optically steered semiconductor laser-beam scanner 4—37417
Shore, K.A. Carrier diffusion and recombination influencing gain and current profiles in planar injection lasers 4—59539
Shore, K.A., Rozzi, T.E. Transverse switching due to Hopf bifurcation in semiconductor lasers 4—37372
Shore, R.A. A proof of the odd-symmetry of the phases for minimum weight perturbation phase-only null synthesis 4—47665
Shore, R.A. Nulling a symmetric pattern location with phase-only weight control 4—47666
Shorrock, D. User economics of satellite communications 4—44060
Shorrock, R.S. From pressure balance to automatic calibration 4—55159
Shorrocks, N.M., Brown, M.E., Whatmore, R.W., Ainger, F.W. Piezoelectric composites for underwater transducers 4—30848
Short, G. The business of satellite communications 4—44034
Short, K. *see* Rossmere, D.L. 4—49127
Short, M.D. Gamma-camera systems 4—39502
Short, M.J. *see* Ngundam, J.M. 4—34803
Shortt, D.J., Lee, F.C. Extensions of the discrete average models for converter power stages 4—46329
Shostatskii, N.N. *see* Merenkov, V.N. 4—48579
Shostka, V.I. *see* Zimogorova, N.S. 4—47334
Shotov, A.P., Sinyatynskii, A.A. Controllable-carrier-profile $PbS_{1-x}Se_x$ lasers fabricated by molecular epitaxy 4—42663
Shott, J.D. *see* Gross, S.J. 4—56187
Shott, J.D. *see* Kuo, J.-B. 4—51428
Shott, J.D. *see* Pfiester, J.R. 4—30789, 4—52308, 4—59040
Shott, J.D. *see* Reid, B.K. 4—58983
Shott, J.D. *see* Rowen, C. 4—51305
Shott, J.D. *see* Singh, H.J. 4—36617
Shou Liu *see* Liu Shou
Shou-hong Zhang *see* Zhang Shou-hong
Shou-song Li *see* Li Shou-song
Shoubai Zhang *see* Zhang Shoubai
Shoucair, F., Hwang, W., Jain, P. Electrical characteristics of large scale integration (LSI) MOSFETs at very high temperatures. I. Theory 4—47046
Shoucair, F., Hwang, W., Jain, P. Electrical characteristics of large scale integration (LSI) MOSFETs at very high temperatures. II. Experiment 4—47047
Shoucair, F.S., Hwang, W., Jain, P. Electrical characteristics of large-scale integration silicon MOSFETs at very high temperatures. III. Modeling and circuit behavior 4—42057
Shouchun Li *see* Li Shouchun
Shoudu Zhang *see* Zhang Shoudu
Shoukang Wu *see* Wu Shoukang
Shoulders, R. *see* LeBlanc, B.S. 4—49777
Shoults, R.R., Mead, M.M. Optimal estimation of piecewise linear incremental cost curves for EDC 4—56455
Shoults, R.R., Vankatesh, S.V. Survey of methods for performing the economic dispatch calculation (EDC) 4—49560
Shouman, A.R., Tag, I.A. General solution of collector performance with axial conduction and end losses 4—45671
Shoup, R.W. *see* Stewart, R.W. 4—37630
Shouquan Peng *see* Peng Shouquan
Shouwu Wang *see* Wang Shouwu
Shouzeng Zhou *see* Zhou Shouzeng
Shouzhen Shen *see* Shen Shouzhen
Shouzheng Wang *see* Wang Shouzheng
Showalter, C.K. *see* McCrohan, J.L. 4—49151
Showers, D.K. *see* Siedband, M.P. 4—49175
Showers, R.M. *see* Shi, J. 4—59809
Shoyama, M., Harada, K. Steady-state characteristics of the push-pull DC-to-AC converter 4—34742
Shpak, E.V. *see* Ovsyannikova, L.P. 4—59723
Shpak, I.V., Fradkin, E.E., Khomenko, Yu.M., Dovbeshko, A.A., Sidorenko, V.S. Numerical investigation of diffraction irreprocity of ring lasers 4—31418
Shpak, M.T. *see* Danileiko, M.V. 4—52922
Shpak, S.A. *see* Nosov, S.I. 4—35070
Shpan'on, P.A. *see* Pavlenko, Yu.F. 4—55328
Shpanskii, D.V. *see* Vendik, O.G. 4—59073
Shperun, V.M. *see* Freik, D.M. 4—29527
Shpigel, A.R., Shchavinskaya, V.M. The probability distribution of quantization and overload noise in the tone-frequency channel of a transmission system using pulse code modulation 4—33454
Shpigel, A.R., Shchavinskaya, V.M. Generalized exponential distribution as a statistical model of quantization noise 4—43028
Shpilevoi, B.N. *see* Gordeev, V.N. 4—51067
Shpiro, P.I. *see* Gailit, T.A. 4—39709
Shpiro, Z., Malah, D. An algebraic approach to discrete short-time Fourier transform analysis and synthesis 4—53497
Shragin, N.V. *see* Dol'nikov, L.L. 4—45328
Shreter, U. *see* Rav-Noy, Z. 4—44447
Shridhar, M., Badreldin, A. High accuracy character recognition algorithm using Fourier and topological descriptors 4—60214
Shridhar, M. *see* Baraniecki, M.R. 4—53535
Shridhar, M. *see* Rajendran, N. 4—50581
Shridhar, M. *see* Sid-Ahmed, M.A. 4—33176
Shrinet, V. *see* Chaturvedi, U.K. 4—36452
Shroff, G.H. *see* Elgawhary, A.M. 4—49770
Shrout, T.R., Swartz, S.L., Haun, M.J. Dielectric properties in the $Pb(Fe_{1/2}Nb_{1/2})O_3$-$Pb(Ni_{1/3}Nb_{2/3})O_3$ solid-solution system 4—52329
Shrubsole, L.F. *see* Edwards, K.J. 4—42863
Shryock, R.S. *see* Duffy, D.D. 4—40844
Shtabnova, V.L. *see* Kirovskaya, I.A. 4—58872
Shtade, D., Lirs, A. An analogue model for deriving quality characteristics of electrical power 4—56598
Shtager, E.A. *see* Gusakovskii, V.E. 4—42841
Shtan', A.S. *see* Afanas'ev, V.N. 4—39004
Shtan, I.I. *see* Babikova, Yu.F. 4—39494
Shtan'ko, V.M. *see* Gimadeeva, E.N. 4—36082
Shtaras, S.S. *see* Vaynoris, Z.A. 4—51713
Shtein, A.B. *see* Gergel'O, A. 4—48612
Shteinvarg, L.G. *see* Dobryakova, G.A. 4—40585
Shtern, Z.Yu. *see* Chudnovskaya, I.I. 4—40107
Shtil'man, B.M. *see* Reznitskii, A.I. 4—39962, 4—56388
Shtoyko, W. *see* Crisafi, F. 4—29227
Shtrba, A. *see* Voitek, P. 4—42687
Shtrikman, H., Fekete, D. Be-implanted GaAs/GaAlAs double heterostructure stripe geometry lasers grown by metalorganic chemical vapor deposition 4—59540
Shtrikman, M.M. Argon TIG-welding with a rotated electrode and filler wire feed 4—35071
Shtrikman, S. *see* Ashkenazy, J. 4—37776
Shtrobel, V.A. *see* Venikov, V.A. 4—40362
Shtuikis, V.A., Minelga, A.S. Increasing the efficiency of control systems for wiring by twisting 4—35301
Shu, L. *see* Schlueter, R.A. 4—45383
Shu Han *see* Han Shu
Shu Lin *see* Wang Yumin 4—60751
Shu Qin *see* Qin Shu
Shu Renben Structural analysis of multistage interconnection networks 4—41140
Shu-chu Ren *see* Ren Shu-chu
Shu-fen Fu *see* Fu Shu-fen
Shu-fen Kuo *see* Kuo Shu-fen
Shu-hong Wang *see* Wang Shu-hong

Shu-jiang Chao *see* Chao Shu-jiang
Shu-jie Zhao *see* Zhao Shu-jie
Shu-Li Zhang *see* Zhang Shu-Li
Shu-shen Chao *see* Chao Shu-shen
Shu-tang Liu *see* Liu Shu-tang
Shu-yao Wu *see* Zhang-da Lin 4−58821
Shu-ying Zhang *see* Zhang Shu-ying
Shuang-xi Li *see* Li Shuang-xi
Shubat, A.S. *see* Pretorius, J.A. 4−58280
Shubin, A.E. *see* Bagraev, N.T. 4−46820
Shubin, B.A. *see* Shimanovich, M.Sh. 4−62895
Shubnikov, E.I., Kuleshov, A.M. Effect of a change in scale and rotation of the image and a shift on the value of the signal in a holographic correlator 4−31515
Shubnikov, E.I. *see* Semenov, G.B. 4−59645
Shubnyi, A.I. *see* Bulgakov, B.M. 4−53202
Shuchun Chen *see* Chen Shuchun
Shuey, K.C. Distribution transformers at power-line carrier frequencies 4−32625
Shufan Cui *see* Cui Shufan
Shufang Zheng *see* Zheng Shufang
Shufen Fu *see* Fu Shufen
Shugailo, A.I. *see* Ivankov, V.F. 4−45493
Shugan, I.V. *see* Bunkin, F.V. 4−39720
Shuguo Shi *see* Shi Shuguo
Shugurov, V.K. *see* Kotov, M.N. 4−58495
Shuheng Bian *see* Bian Shuheng
Shui, Y.A. *see* Auld, B.A. 4−52337
Shui Jincheng Measurement and analysis of the TPF patterns of ultrashort pulse using closed circuit TV with memory system 4−31270
Shui Yong-an, Jiang Wen-hwa, Yu Jiong, Zhang De A new design method of electrode-withdrawal weighted interdigital transducers 4−62008
Shui Yong-an *see* Zhang De 4−59111
Shuicai Wang *see* Wang Shuicai
Shuisheng Jian *see* Jian Shuisheng
Shujin Fang *see* Fang Shujin
Shukan Ma *see* Ma Shukan
Shukla, A.K., Manoharan, R., Ramesh, K.V. Electrochemical ways of tapping solar energy: an appraisal 4−50115
Shukla, R.K. *see* Chiang, S.S. 4−57842
Shukla, V.S. *see* Rowe, D.M. 4−33427
Shukuri, S. *see* Tamura, M. 4−51982
Shula, G.V. *see* Lishenko, L.G. 4−46248
Shulcloper, J.Ruiz *see* Ruiz Shulcloper, J.
Shuley, N.V. Higher-order mode interaction in planar periodic structures 4−40904
Shulga, V.M. *see* Myshenko, V.V. 4−37253
Shul'gin, V.A. Contactless registration of normal flexural waves in metal rods. Crossed fields 4−35549
Shuli Zhang *see* Zhang Shuli
Shuligin, V.A., Kuleev, V.G. Efficiency of electromagnetic-acoustic excitation for radial resonances in metal rods with transducers of finite dimensions 4−39316
Shulika, N.G. *see* Khizhnyak, N.A. 4−49054
Shull, H. *see* Stetson, L.E. 4−49598
Shul'man, S.G. *see* Monakhenko, D.V. 4−34467
Shul'pina, I.L. *see* Zemskov, V.S. 4−29441
Shul'zhenko, S.V. *see* Bogdanov, V.A. 4−49518, 4−62041
Shul'zhenko, S.V. *see* Venikov, V.A. 4−40362, 4−45414
Shuman, F.G.D. *see* McCrohan, J.L. 4−49151
Shuman, R.F. *see* Soller, B.R. 4−47094, 4−51957
Shumard, E. *see* Jones, T.W. 4−55811
Shumate, D.A. *see* Gopani, S.G. 4−52391
Shumate, P.W. *see* Saul, R.H. 4−55495
Shumilin, G.D. Selection of principal dimensions of an asynchronous machine with one piece rotor 4−34670
Shumilkin, V.G. *see* Duka, S.I. 4−61578
Shumilov, E. *see* Artemiev, V. 4−61684
Shumilov, Yu.A. *see* Ovcharek, V.E. 4−45448
Shumilov, Yu.A. *see* Popov, P.G. 4−56999
Shumilov, Yu.N., Aksenov, V.A. Electro-physical processes in the surface layer for flashover across fouled insulators 4−45134
Shumilov, Yu.N., Aksenov, V.A. Surface layer electrophysical processes on flashover of fouled insulators 4−45142
Shumlyanskii, I.I. Combined orthogonal coordinate systems in electrodynamics boundary problems 4−59717
Shumov, A.P. *see* Kazakov, V.A. 4−48752
Shumovich, R. *see* Zahn, M. 4−52318
Shumskii, A.E. *see* Danilov, V.V. 4−41270
Shumskii, A.L. *see* Mikhailov, V.V. 4−56662
Shumskii, V.N. *see* Klimov, A.E. 4−30599
Shundi Sun *see* Sun Shundi
Shung-Wu Lee *see* Hao Ling 4−59731
Shuni Chu, Burrus, C.S. Efficient recursive realizations of FIR filters. I. The filter structures 4−41487
Shuni Chu, Burrus, C.S. Efficient recursive realizations of FIR filters. II. Design and applications 4−41488
Shunk, S.C. *see* O'Connor, P. 4−51152, 4−54794
Shunyi Li *see* Li Shunyi
Shunyi Zhang *see* Zhang Shunyi
Shuqi Gao *see* Gao Shuqi
Shuqin Chen *see* Chen Shuqin
Shur, M., Hack, M. Physics of amorphous silicon based alloy field-effect transistors 4−47043
Shur, M. *see* Hack, M. 4−36287, 4−59303
Shur, M. *see* Lee, K. 4−52090, 4−58935
Shur, M.S., Hack, M., Hyun, C. Flat-band voltage and surface states in amorphous silicon-based alloy field-effect transistors 4−52121
Shur, M.S. *see* Adler, D. 4−51794
Shur, M.S. *see* Chen, T.H. 4−59036
Shur, M.S. *see* Cirillo, N.C., Jr. 4−36602
Shur, M.S. *see* Hack, M. 4−45627, 4−50051
Shur, M.S. *see* Lee, K. 4−36309
Shur, M.S. *see* Lee Kang 4−36585
Shur, M.S. *see* Vu, T.T. 4−29781, 4−35746
Shur, N.A. *see* Shchutskii, V.I. 4−39933
Shur, Y.S., Dragoshansky, Y.N., Zaykova, V.A. Influence of the macrostructure of thin grain-oriented 3% Si-Fe ribbons on the core loss behaviour under stress 4−42278
Shurkhal, V.V. *see* Faibisovich, D.L. 4−57677
Shurmer, H.V. *see* Cheng, T.C. 4−58520
Shusen Ma *see* Ma Shusen
Shusha, V.V. *see* Kolkovskii, I.I. 4−41822
Shushkin, A.I., Shermakov, A.I. Angle-to-binary digital converter 4−55686
Shushpanov, O.E. *see* Aleksandrov, I.V. 4−37139
Shuster, V.G. *see* Avdulov, A.N. 4−33471
Shuster, Ya.B., Kuznetsov, B.K. Efficiency of ultrasonic board perforators for printed circuits 4−44934
Shuster, Ya.B. *see* Perminov, S.V. 4−41708
Shustryakov, V.M. *see* Granovskii, V.V. 4−50788
Shutang Wang *see* Wang Shutang
Shute, M.J. A design for a 16 bit processor using only 600 transistors 4−51290
Shuter, W.L.H., Chan, C.P., Li, E.W.P., Yeung, A.K.C. A metal plate Fresnel lens for 4 GHz satellite TV reception 4−37738
Shutilov, V.A. *see* Abramovich, A.A. 4−39756
Shut'ko, V.F. *see* Gomakov, Yu.I. 4−56952
Shuto, M., Morishita, T., Miyai, H., Onoda, K. Integrated document editing and organizing system (IDEOS) 4−53880
Shuto, Y. *see* Yamamoto, F. 4−42360
Shutov, A.S. *see* Gut, R.E. 4−53411
Shutov, S.D. *see* Simashkevich, A.A. 4−51916, 4−58798
Shuyuan Lin *see* Lin Shuyuan
Shuyun Xie *see* Xie Shuyun
Shuzhen Liu *see* Liu Shuzhen
Shvalev, V.O. *see* Bolotov, I.E. 4−58047
Shvarts, A.L., Bulgakova, N.V., Mironov, S.N., Robashevskii, F.M. Widening the control range of 160-800 MW power units 4−40068
Shvarts, A.L. *see* Doverman, G.I. 4−34424
Shvarts, D.L. *see* Gendel'man, G.A. 4−45813
Shvartsburg, A.B., Sissakyan, I.N. The nonlinear dynamical stabilization of ps-pulses in gradient index optical fibres 4−37122
Shvartsman, V. *see* Peper, A. 4−49199
Shvedova, N.A. *see* Usin, V.A. 4−42936
Shveikin, V.I. *see* Borodulin, V.I. 4−37380, 4−59545
Shvetskii, B.I. *see* Konopkin, A.P. 4−33358
Shwarts, Z.L., Mirzabekyan, Z.G., Nagornyi, V.V., Grinshtein, B.I. Electrofilter supply system and special features of precipitation in an impulsive corona field 4−53160
Shwartz, A. *see* Kushner, H.J. 4−43304
Shwedyk, E. Processing of the EMG signal 4−56137
Shyh Wang *see* Sugino, T. 4−59494
Shyh Wang *see* Yao-Hwa Wu 4−37356
Shyu, J.-H. *see* Barbieri, S. 4−41712
Si Guoliang *see* Su Jinwen 4−59418
Siadat, L., Jupp, A.P., McBeth, G.W. Modulo-2 counting−an alternative to the coincidence method 4−55979
Sial, M.A. *see* Khan, H.A. 4−55947, 4−55948
Sibbett, W., Sleat, W.E., Krause, W. Circular-scan photochron streak camera for spaceborne laser ranging applications 4−59684
Sibbett, W., Taylor, J.R. Passive mode locking in the near infrared 4−31341
Sibbett, W. *see* Margulis, W. 4−58201
Sibbett, W. *see* Phillips, C.C. 4−52799
Sibbett, W. *see* Smith, K. 4−31343, 4−52938
Sibigtroth, J.M. Motorola's MC68HC11: Definition and design of a VLSI microprocessor 4−46479
Sibilia, M.J. *see* Miller, G.L. 4−49489
Sibiryak, I.O. *see* Korobova, N.I. 4−30286
Sibiryak, Yu.G. *see* Mazurov, I.B. 4−39483
Sibley, M.J.N., Unwin, R.T., Smith, D.R., Boxall, B.A., Hawkins, R.J. A monolithic transimpedance preamplifier for high speed optical receivers 4−54764
Sibul, L.H. Application of singular value decomposition to adaptive beamforming 4−60109
Sibul, L.H. *see* Sohie, G.R.L. 4−31967
Sich, A.R. *see* Johnson, D.S. 4−30875, 4−59083
Sichkar, G.A. *see* Aristov, E.A. 4−33725
Sickle, K.Van *see* Van Sickle, K.
Sicre, E.E. *see* Bartelt, H. 4−60179
Sicre, E.E. *see* Lohmann, A.W. 4−37189
Sicuranza, G.L., Bucconi, A., Mitri, P. Adaptive echo cancellation with nonlinear digital filters 4−53680
Sid-Ahmed, M.A., Shridhar, M., Jullien, G.A., Miller, W. A robotic vision development system 4−33176
Sid-Ahmed, M.A. *see* Rajendran, N. 4−50581, 4−60244
Sida Xu *see* Xu Sida
Siddiq, M. Correlation of textural and surface properties with cobalt modification efficiencies of γ-Fe_2O_3 4−30966
Siddiqui, F.M.A., Fleming, J.F Broken wire analysis of transmission line systems 4−49599
Sidel'nikov, A.V. *see* Koshurnikov, E.K. 4−34588
Sidel'nikov, B.V. *see* Rogachevskaya, G.S. 4−40270
Sidel'nikov, Z.I. *see* Vasil'ev, S.I. 4−61443
Sidenko, N.I. *see* Drobadenko, V.P. 4−39091
Sideridis, A.B. A numerical solution of the membrane eigenvalue problem 4−35450
Siderov, E.A. Measuring apparatus for vibratory displacements 4−33476
Sides, D.R., Denner, W.W., Breaker, L.C. Application of remote sensing to the study of coastal physical processes and marine resource mapping 4−56331
Sidhu, J. *see* Dobson, B. 4−55772
Sidhu, J.S. *see* Das, S.R. 4−55364
Sidi, M. A multi-hop packet-radio network 4−38442
Sidi, M., Segall, A. An acknowledgement-based access scheme in a two-node packet-radio network 4−53969
Sidi, M. *see* Cidon, I. 4−32137, 4−48557
Sidio, G.J. *see* Fowler, P.H. 4−29309
Sid'ko, V.I. *see* Alekhin, V.I. 4−44912
Sidney, B.D. Heterodyne applications of tunable semiconductor diode lasers 4−52958
Sidonskii, I.B. *see* Kobzev, A.V. 4−41513
Sidora, V.G. Selection of optimum ratios of reduction gears for electric drives 4−45685
Sidorenko, B.G. *see* Mandel'berg, S.L. 4−62844
Sidorenko, V.I. Increasing efficiency of using film-studio production and technical bases 4−38783
Sidorenko, V.S. *see* Shpak, I.V. 4−31418
Sidorenko, Yu.V. *see* Lipkovskii, K.A. 4−45584
Sidorenkov, A.A. *see* Lyashenko, V.V. 4−39313
Sidorin, A.V. *see* Danileiko, Yu.K. 4−42723
Sidorov, G.I. *see* Alekhin, V.I. 4−44153, 4−44911, 4−44912
Sidorov, O.P. *see* Adas'ko, V.I. 4−34685
Sidorov, V.A. *see* Zykin, F.A. 4−56587
Sidorov, V.G. *see* Gutkin, A.A. 4−31258
Sidorskii, M.A. *see* Grinshtein, B.I. 4−40314
Sidwell, R.A. *see* Ushida, N. 4−56030
Sie, H.P. *see* Edwall, G. 4−55405
Siebach, H.R. *see* Fegley, C.R. 4−52820
Siebenlist, F. *see* Granneman, E.H.A. 4−61609
Sieber, R.E. *see* Harper, J.P. 4−49542
Siebers, G.H. *see* Scheepstra, J. 4−38136
Siebert, H. *see* Grams, T. 4−46409
Siebert, H.P. Carbon improves aluminium electrolytic capacitors: graphite reduces distortion 4−36092
Siebert, H.-P. High-resolution optoelectronic position detectors 4−55388
Siedband, M.P., Showers, D.K. Flywheel energy storage for X-ray machines 4−49175
Siegal, B.S. Thermal resistance−a misunderstood semiconductor specification 4−52039
Siegel, A. *see* Mann, E. 4−43695
Siegel, A. *see* Weissmann, G. 4−31460
Siegel, A.H. The telephone system as a local area network 4−38358
Siegel, A.I., Bartter, W.D., Wolf, J.J., Haas, P.M., Knee, H.E. The maintenance personnel performance simulation (MAPPS) model 4−62306
Siegel, A.M. One-chip oscillator offers wide duty-cycle control 4−35688
Siegel, E.D. Your pocket protocol primer 4−32361
Siegel, J. *see* Dubrovsky, V. 4−44308
Siegel, J.H. *see* Nikias, C.L. 4−44743
Siegel, L.J. Highly parallel architectures and algorithms for speech analysis 4−53534
Siegel, L.J. *see* Bronson, E.C. 4−53570
Siegel, M.W. Solid state sensors and robotics 4−61361
Siegel, S.A., Channin, D.J. PIN-FET receiver for fiber optics 4−38619
Siegel, S.A. *see* Channin, D.J. 4−54816
Siegel, W., Kuhnel, G. Influence of the temperature dependence of the thermal impurity activation energy on the analysis of Hall measurements on GaP 4−58730
Siegenthaler, M. Microcomputer searches short waves. Short-wave receiver Grundig Satellite 300, Panasonic RF-799, and Sony ICF-7600D 4−44218
Siegenthaler, T. Correlation attacks on certain stream ciphers with nonlinear generators 4−47780
Siegl, J. Computer simulation of circuits 4−46295
Siegl, J. Monolithic integrated microwave circuits 4−58962
Siegle, G. Wideband cable networks with extended frequency range 4−54082
Siegler, A., Bathor, M. A robot vision system with industrial applications 4−53948
Siegler, W. *see* Werner, K.-D. 4−58581
Siegmon, G. *see* Berndt, M. 4−55959
Siegrist, J.L. *see* Beer, A. 4−61682

Siegrist, K. Bivariate step processes and random evolutions 4—40924
Siegrist, M.R. *see* Behn, R. 4—42563
Siegrist, M.R. *see* Dupertuis, M.A. 4—42517
Siegrist, M.R. *see* Dupertuis, M.-A. 4—42499
Siegrist, P. *see* Brand, C. 4—33639
Siejca, A., Sarzynska, M., Adamowicz, T. Measurements of diffusion times of Cu atoms in a slotted HCD Cu II laser 4—47427
Siemann, R.H. Single beam stability in PEP and PETRA 4—39390
Siemek, S. *see* Nowicki, K. 4—62219
Siemensma, T.W. *see* van den Bosch, P.P.J. 4—34022
Siemsen, K.J. *see* Riccius, H.D. 4—39189
Sienczewski, G. Meter for measuring the parameters of capacitors with losses 4—61498
Sierins, J.V. *see* Crane, K.C.A. 4—31436
Sieron, W.-R. *see* Knoblich, D. 4—30773, 4—30774
Sierota, A. *see* Zoledziowski, S. 4—59066
Sievers, A.J. *see* Tkach, R.W. 4—31358
Siew, W.H., Banford, H.M., Tedford, D.J. Electrical conduction in irradiated polyethylene 4—59052
Siewers, B. Electronic display methods 4—39241
Siffert, P. *see* Baker, S.I. 4—33727
Sigal, M.V. *see* Baturov, B.B. 4—34294
Sigal, M.V. *see* Boldyrev, V.M. 4—40004
Sigarev, N.N. *see* Denisov, A.I. 4—57151, 4—57160
Sigel, G.H., Jr. *see* Dandridge, A. 4—52623
Sigel, G.H., Jr. *see* Koo, K.P. 4—42430, 4—55648
Sigel, G.H., Jr. *see* Tran, D.C. 4—52630
Sigety, E.A. *see* Pearson, A.D. 4—52635
Sigg, H., Bluyssen, H.J.A., Wyder, P. New laser lines with wavelengths from $\lambda=61.7\ \mu m$ down to $\lambda=27.7\ \mu m$ in optically pumped CH_3OH and CD_3OH 4—52890
Sigg, H. *see* Horstman, R.E. 4—41879
Sigiyama, Y. *see* Nakano, H. 4—59838
Sigmon, T.W. *see* Wakita, A.S. 4—51997
Sigmund, H., Weiss, D. Doping behavior of implanted magnesium in silicon 4—36458
Signell, S. On selectivity properties of discrete-time linear networks 4—41179
Signorini, C., Bezzon, G., Cervellera, F., Spolaore, P., Ricci, R.A. Acceptance tests of the Legnaro XTU tandem 4—33563
Signorini, C. *see* Spolaore, P. 4—49101
Sigrist, A. *see* Beer, A. 4—61682
Sigurdson, J.E. *see* Pepper, R.L. 4—48616
Sihvola, A. Measurement of snow by means of microwaves 4—33447
Sihvola, A., Hagg, P.-E. Finland: Loviisa spent fuel transport 4—62291
Siino, W. *see* Feldman, P. 4—29961
Sijbers, P. Versatile speech/transmission ICs suit all telephone architectures 4—38351
Sijerkovic, A., Crnjin, R. Algorithm hierarchically organized for solving the optimal commitment of turbo generating sets in the electric power system 4—34413
Sijnave, J. *see* Boucique, R. 4—52924
Sik Hwang Chan *see* Chan Sik Hwang
Sikka, P.K. *see* Biswas, B.N. 4—58895
Sikkink, M. A testable PLL 4—29734
Siklos, A. Standardized projects of medium and low voltage networks and their development 4—45108
Sikora, E.S.R. *see* Wallace, P.R. 4—59224
Sikora, P.A. *see* Bronaugh, E.L. 4—59896
Sikora, R., Lipinski, W., Gramz, M., Gawrylczyk, M., Gratkowski, S., Palka, R., Ziolkowski, M. Application of finite element method for determination magnetic field in end-region of induction machine 4—34666
Sikorski, K. Optimal solution of nonlinear equations satisfying a Lipschitz condition 4—35440
Sikorski, K., Stenger, F. Optimal quadratures in H_p spaces 4—46192
Silage, D.A. Video image analyzer using a high resolution touch screen 4—49187
Silage, D.A., Gil, J. The use of touch-sensitive screen in interactive morphometry 4—56074
Silaghy, F.J. *see* Sawhney, H.S. 4—49776
Silard, A., Kosa, B. Refined method for measurement of small-signal alphas of thyristors 4—42043
Silard, A., Marinescu, R. Characteristics of an all-implanted p^+-n-n^+ solar cell 4—34883
Silard, A., Rusu, S. Development of a double-interdigitated GTO thyristor. I. Basic structure and principles of operation 4—58592
Silard, A.P. High-temperature physical effects underlying the failure mechanism in thyristors under surge conditions 4—58914
Silard, A.P. Electrothermal failure safety of TIL GTO thyristors 4—58915
Silard, A.P., Rusu, S.M., Turtudau, F., Kosa, B. A double-interdigitated GTO switch 4—36568
Silayev, A.M. On the possibilities of one-antenna atmospheric sounding 4—54852
Silberberg, G.G. *see* Franck, J.B. 4—53123
Silberberg, Y. *see* Hardy, A. 4—37463
Silberglitt, R., Hien, L.K., Rattien, S. Overview of current research opportunities in industrial microwave heating 4—40607
Silberman, G.M. *see* Barzilai, Z. 4—36827, 4—51139
Silbermann, A. *see* Sorrentino, R. 4—41537
Silberto, J. *see* Sangl, D. 4—48780
Silburst, A.L., Foss, R.C., Petrie, W.F. An efficient MOS transistor model for computer-aided design 4—30619
Silburt, A.L., St. Laurent, R. Interactive circuit simulation and model parameter extraction for the CAD work station 4—59044
Sil'chenko, A.P. *see* Bregadze, Yu.I. 4—33907
Silen, J. *see* Turunen, T. 4—56297
Silence, W.L. *see* Wu, J.B.C. 4—29213
Silfvast, W.T. *see* Wood, O.R., II 4—47402
Siligoni, M. *see* Ferrari, R. 4—47075
Silk, M.G. The use of diffraction-based time-of-flight measurements to locate and size defects 4—35518
Siller, C.A., Jr. An experimental investigation of wide-angle sidelobe suppression in a pyramidal horn-reflector antenna 4—42947
Sillman, D. Television captioning for the deaf 4—54936
Sillmon, R. *see* Timmons, M.L. 4—37246
Sillmon, R.S. *see* Maracas, G.N. 4—61379
Sillou, D. *see* Ditta, J. 4—39413
Sil'nitskii, A.F. *see* Engoyan, T.M. 4—44174
Silny, A. A programmable sawtooth voltage generator 4—46381
Silo, V. *see* Laurinavicius, L. 4—30082
Silva, A. *see* Fernando, J. 4—35081
Silva, A.J. *see* Babb, J.D. 4—61977
Silva, A.M.Leite da *see* Leite da Silva, A.M.
Silva, E.A. The Office of Naval Research Ocean Technology Program 4—61981
Silva, F.M. *see* Almeida, L.B. 4—53557
Silva, F.P. *see* Saraiva, E.de.S. 4—34981
Silva, J.da *see* da Silva, J.
Silva, J.de *see* de Silva, J.
Silva, J.Gomez de *see* Gomez de Silva, J.
Silva, M. *see* Deno, D.W. 4—55296
Silva, M.M. Multiport realization using 2-ports 4—50885
Silva, P. *see* Machado, H.B. 4—49242
Silva, W.da Silveira e *see* da Silveira e Silva, W.
Silva Curiel, A.da *see* da Silva Curiel, A.
Silva Curiel, A.Da *see* Da Silva Curiel, A.
Silva-Martinez, J., Sanchez-Sinencio, E. Sample/hold circuits and compensation 4—41531
Silveira e Silva, W.da *see* da Silveira e Silva, W.
Silveira Guidacci da *see* Guidacci da Silveira
Silver, D.A., Buckweitz, M.D. Design of metallic shields for extruded dielectric cables 4—62200
Silver, E.G. Operating US power reactors 4—34331
Silver, M., Snow, E., Adler, D. Extended-state mobility in hydrogenated amorphous silicon 4—58748
Silver, M. *see* Adler, D. 4—51794
Silver, M. *see* Ries, B. 4—51740
Silver, S. *(editor)* Microwave antenna theory and design 4—57696
Silver, W., II *see* Nycum, C.W. 4—50505
Silverberg, P.M. Equipping an insulation lab 4—30859
Silverberg, P.M. Irradiated synchronous rotor poles 4—40235
Silverman, H.F. *see* Kessler, W.J. 4—53517
Silverman, H.F. *see* Lee, V. 4—53543
Silverman, H.F. *see* Shichor, E. 4—37899
Silverman, J.P., Haelbich, R.P., Grobman, W.D., Warlaumont, J.M. X-ray lithography exposures using synchrotron radiation 4—36377
Silverman, J.P., Haelbich, R.P., Warlaumont, J.M. Synchrotron radiation X-ray lithography: recent results 4—52155
Silverman, J.P. *see* Haelbich, R.P. 4—52012
Silverman, R. *see* Koburger, C.W. 4—46908
Silverman, S.W., Woodcock, G.R. Electrical power system requirements for manned space stations 4—39658
Silversides, W. *see* Beech, J.C. 4—33598
Silversmith, D.J. *see* Chiang, A.M. 4—58379
Silversmith, D.J. *see* Downey, P.M. 4—33300
Silversmith, D.J. *see* Graber, W.S. 4—59000
Silverstein, F.E. *see* Martin, R.W. 4—56107
Silverthorn, R.D. IEEE draft standard: methodology for specifying and evaluating voiceband channel performance criteria 4—32228
Silvester, P.P., Ferrari, R.L. Finite elements for electrical engineers 4—29168
Silvester, P.P. *see* Forghani, B. 4—29410
Silvester, P.P. *see* Mishra, M. 4—31577
Silvestri, G.J., Jr. *see* Kan, G.T. 4—49775
Silvestri, L., Garue, S., Marchente, M. An heuristic SPICE2-based approach for 2D IIL device simulation 4—52268
Silvestri, L. *see* Garue, S. 4—59019
Silvestri, S.De *see* De Silvestri, S.
Silvestri, V.J., Srinivasan, G.R., Ginsberg, B. Submicron epitaxial films 4—46224
Sim, F. The Quantel Paint Box—the ultimate TV graphics system 4—54996
Sim, S.H., Wang, L. Reliability of repairable redundant systems in nuclear generating stations 4—50588
Sim, S.P., Robertson, M.J., Plumb, R.G. Catastrophic and latent damage in GaAlAs lasers caused by electrical transients 4—42653
Sim Kwang Bo *see* Kwang Bo Sim
Simaan, M. Optimum beamforming filters for array data processing 4—38019
Simaan, M. Frequency domain alignment of discrete-time signals 4—53625
Simaan, M. A frequency domain method for time-shift estimation and alignment of discrete time signals [seismology] 4—56283
Simaan, M. *see* Love, P.L. 4—60270
Simaeys, F.van *see* van Simaeys, F.
Simaeys, F.C.Van *see* Van Simaeys, F.C.
Simakov, A.N. *see* Deryugin, I.A. 4—37181
Simakov, V.A. *see* Bessonova, S.V. 4—42388
Simakov, V.P. *see* Zhivilo, S.I. 4—33130
Simanek, E. Charging fluctuations and resistive transition in Josephson junction arrays 4—31073
Simanovskii, M.F. *see* Panasyuk, V.S. 4—39375
Simar, R., Jr. A step toward real-time interactive FIR filter design 4—53773
Simarro, E., Lambert, J.L.R., Moris, C., Prieto, J., Torre, F., Cortina, A. A computer assisted study of left ventricular function in coronary heart disease 4—49275
Simarro, E. *see* Cortina, A. 4—49135
Simashkevich, A.A., Shutov, S.D. Bias-voltage dependence of the capacitance of a metal-amorphous-semiconductor contact 4—51916
Simashkevich, A.A., Shutov, S.D. Evidence of Schottky barrier formation at contact of metal with chalcogenide glassy semiconductor 4—58798
Simborg, D.W., Chadwick, M., Whiting-O'Keefe, Q.E. The virtual circuit function in the hospital 4—43805
Simcoe, B., Bidermann, B., Wolrich, G., Fisher, A., McLellan, E., Leary, M., Forsythe, D., Montanaro, J., Wheeler, B., Yodlowski, B., Harada, L. A floating point unit for a 32b microprocessor system 4—58388
Simcoe, D.D. Interactive video today 4—32967
Simelis, C. The kernel of the sum of two cooperative games 4—46097
Simeonov, S.S., Ivanovich, M.D. Recombination current in abrupt semiconductor p-n junctions 4—30410
Simeonov, S.S., Kafedjiiska, E.I., Guerassimov, A.L. Preparation of Mo/Si Schottky barriers by chemical vapour deposition of molybdenum onto epitaxial silicon substrates 4—51877
Simeonova, Yu.M., Kozlovskii, M.Yu., Smirnova, L.P., Poqodin, Yu.S., Perevodchikova, T.V., Chekmarev, V.P., Nikolov, N.D. Microchannel laminae as radiation detectors operating in the vacuum UV region 4—48896
Simhony, S. *see* Arieli, R. 4—37155
Simhony, S. *see* Katzir, A. 4—59231
Simin Sun *see* Sun Simin
Simionescu, M. *see* Alferaru, A. 4—48962
Simkin, J., Trowbridge, C.W. Electromagnetics CAD using a single user machine (SUM) 4—31559
Simkin, J. *see* Biddlecombe, C.S. 4—31558
Simkin, J. *see* Emson, C.R.I. 4—31596
Simkin, J. *see* Williams, J.T. 4—31614
Simkins, M.M. *see* Elwell, D. 4—29466
Simkovich, G. *see* Warnes, B.M. 4—46841
Simmers, D.A. *see* Hind, J.R. 4—34352
Simmonds, A.L. *see* Gupta, R.N. 4—44803
Simmons, B.D. Efficiency techniques in switching and transmission 4—43899
Simmons, B.D. British Telecom—the ultimate. VI 4—54578
Simmons, B.D. Voice/data PABX—a capability in the balance 4—60589
Simmons, G.J. Verification of treaty compliance—revisited 4—37859
Simmons, G.J. Message and/or transmitter authentication 4—43157
Simmons, G.J. The prisoner's problem and the subliminal channel 4—53425
Simmons, J.G. *see* Faraone, L. 4—30656
Simmons, T.J. *see* Swift, J.B. 4—30120
Simmons, W.P. Electrodes and fixtures—important RW elements 4—62871
Simms, C. Enclosures for electronic systems 4—40782
Simms, J. Modules on Eurocards: flexible VME bus concept 4—41714
Simoens, H. *see* Baert, D. 4—50936
Simoes-Pereira, J.M.S. *see* Imrich, W. 4—50663
Simon, B. *see* Van Vonno, N.W. 4—59349
Simon, F. Phase dependent electronic three-position switching [for data transmission] 4—32497
Simon, G. Radio techniques: is there now more emphasis on VHF? 4—38770
Simon, G. The realization of IIR filters based on the recursive compensation of errors caused by truncating the impulse response 4—46574
Simon, H.D. The Lanczos algorithm with partial reorthogonalization 4—29427
Simon, H.E. *see* Einstein, S.G. 4—61846
Simon, H.J. *see* Quail, J.C. 4—37444
Simon, J. *see* Jost, A. 4—49789

Simon, J.C. Light amplifiers in optical communication systems 4—31404
Simon, J.C. *see* Bouidene, Y. 4—32829
Simon, M., Henkel, M., Hundt, R., Mathis, K.D., Schieweck, G., Suck, Th. A drift chamber telescope for heavy ion track detection 4—39432
Simon, M.A. *see* De Mori, R. 4—53573
Simon, P. Housings and cabinets of aluminium for electronics 4—57831
Simon, P.S. Prototype phased array telemetry tracking antenna 4—53317
Simon, R.A., Wrighton, M.S. Stabilization of *n*-type silicon photoanodes against photoanodic decomposition with thin films of polyacetylene 4—40366
Simon, R.M. EMI shielding with conductive plastics 4—37650
Simon, R.S. *see* Oblozinsky, P. 4—55990
Simon, S. Routine TV receiver tests: Thorn 8000 series chassis 4—38818
Simon, S.Kh. *see* Voronkov, A.I. 4—61303
Simon, S.R. *see* Delatizky, J. 4—49231
Simon, U. *see* Radunz, U. 4—40849
Simondet, F. *see* Morin, P. 4—30248
Simone, F. *see* Mancini, N.A. 4—58822
Simone, S.De *see* De Simone, S.
Simoni, F., Aiello, P., Barbero, G. Effect of elastic anisotropy on the nonlinear optical properties of a nematic cell 4—42426
Simoni, L. A general approach to voltage endurance of solid dielectrics 4—36938
Simonis, G.J., Felock, R.D. Near-millimeter wave polarizing duplexer/isolator 4—59293
Simonis, G.J. *see* Sattler, J.P. 4—39295
Simonis, J.C. *see* Kana, D.D. 4—56757
Simonov, N.P. *see* Domashevskii, B.N. 4—35537
Simonov, V.A. *see* Kabanov, A.N. 4—41941
Simons, D.H., Jr. Practical EMI/EMC documentation 4—59789
Simons, D.M. Is videotex a medium for your message? 4—48165
Simons, D.M. Selling videotex 4—48172
Simons, D.M. Selling videotex. III 4—54240
Simons, D.M. Networks as vendors: gateways as stores—new marketing and distribution roles for communications 4—54254
Simons, G. Developments in small PABX technology 4—48362
Simons, J., Heerens, W.Chr. Convergent Fourier-Bessel series to calculate potential and field strength in rotationally symmetric lens systems 4—53172
Simons, M. Radiation effects in GaAs integrated circuits: a comparison with silicon 4—30729
Simons, N. *see* Frantz, T. 4—45000
Simons, R.E. *see* Hwang, U.P. 4—29261
Simons, R.H. *see* Hargroves, R.A. 4—62816
Simons, T.D., Mitchner, M., Eustis, R.H. Analysis and measurement of property disturbances in a combustion magnetohydrodynamic plasma 4—57372
Simonsen, C. *see* Mohsen, A. 4—51193
Simonsen, C.J. *see* Kung, R.I. 4—51247
Simonson, E.R., Reid, R.J., Rosso, R.S. Optical detection of surface flaws 4—57867
Simonutti, M. *see* Sun, C. 4—44050
Simonyants, N.A. *see* Arkhangel'skii, V.B. 4—33444
Simoons, M.L. Body surface maps and lead systems for exercise electrocardiography; computer ECG processing 4—49234
Simoons, M.L. *see* Reiber, J.H.C. 4—39548
Simpson, A. The wide divide between sales and service 4—45934
Simpson, A. Everyone wants to go digital [local area networks] 4—48346
Simpson, C.A. *see* Voorhees, J.W. 4—44850
Simpson, D.A. *see* Liptak, M. 4—30281
Simpson, E.E. *see* Kolb, E.D. 4—29469
Simpson, G. *see* Schonfelder, V. 4—33779
Simpson, J.J., Jagam, P., Campbell, J.L., Bostock, I., Law, J., Malm, H., Robertson, B.C. The Guelph ^{76}Ge double β-decay experiment 4—55815
Simpson, J.J. *see* Malm, H.L. 4—61673
Simpson, J.R. *see* Sears, F.M. 4—37114
Simpson, M.D. *see* Hargroves, R.A. 4—62816
Simpson, N. An update of LCD 4—33389
Simpson, O. *see* Holah, G.D. 4—36281
Simpson, P. *see* Alderwick, B. 4—35782
Simpson, P.B. *see* Armstrong, J.R.C. 4—34541
Simpson, R. *see* Harvey, R.S. 4—33937
Simpson, R.G. *see* Milster, T.D. 4—39543
Simpson, R.W. *see* Sashin, D. 4—44741
Simpson, R.W., Jr. EMI shielding with flexible laminates 4—59807
Simpson, W. *see* Glass, A.M. 4—42694
Simpson, W.G. Broadband cable systems 4—44258
Simpson, W.I. *see* Yang, J.J. 4—36252
Simpson, W.M. *see* Johnson, A.M. 4—31441, 4—61398
Sims, J.R. *see* Groves, C. 4—41439
Sims, M.L. *see* Griffin, C.R. 4—38750
Sims, M.R., Peacock, A., Taylor, B.G. The gas scintillation proportional counter 4—39422
Sims, P. *see* McEwan, S. 4—54995
Sims, R. *see* Barnes, R.G.L. 4—33697
Sims, R.J., Chenoweth, D.L. Application of a texture-based segmentation algorithm and Fourier descriptors in an image recognition system 4—60275
Sims, W.P. *see* Schmidt, M.P. 4—29946
Simson, M.B. Late potential—a noninvasive marker for ventricular tachycardia 4—56135
Sin Jae Ho *see* Jae Ho Sin
Sinaiskii, V.M. Quantitative evaluation of roughness in machined surfaces of the higher classes of finish by X-ray reflectometry 4—33474
Sinan Jiang *see* Jiang Sinan
Sinayuk, S.L. *see* Burakov, A.M. 4—34591
Sincerbox, G.T., Roosen, G. Large-angle optically induced light deflection 4—31468
Sincerbox, G.T. *see* Bjorklund, G.C. 4—42439
Sinclair, A.F. A morse terminal unit 4—38214
Sinclair, D. *see* Jones, T.W. 4—55811
Sinclair, I. Configurations [power supply circuits] 4—29642
Sinclair, I. Configurations [operational amplifiers] 4—29677
Sinclair, I. Configurations. AND, OR, and NOT gates 4—29773
Sinclair, I. Configurations [opto-electronics] 4—31248
Sinclair, I. Configurations [thyristors] 4—36565
Sinclair, M.J. *see* Bohlander, R.A. 4—37593
Sinclair, P. A zero-insertion-force hybrid circuit connector for severe environments 4—58657
Sinclair, R. *see* Bube, R.H. 4—41835
Sincoskie, W.D. *see* DeTreville, J. 4—32365
Sindler, Yu.B. *see* Kukebayev, A.M. 4—53640
Sinel'nikov, V.Ya., Belousov, V.S., Pavlov, I.F., Leont'ev, V.A. Phase-by-phase deicing in compensated networks using magnetised arc-suppression coils 4—62169
Sinencio, E.S. *(editor)* Proceedings of the 26th Midwest Symposium on Circuits and Systems 4—35145
Sinervo, P. *see* Ushida, N. 4—56030
Sinev, N.B. *see* Bashindzhagyan, G.L. 4—39037, 4—48821
Singal, R.K. Steam turbine has bright future 4—34414
Singer, D.M. *see* Agrawal, V.D. 4—58224
Singer, E. *see* Harrison, W.A. 4—59979
Singer, H. Field calculation by means of surface charges and surface currents 4—53134
Singer, I. Optimization of level set methods. V. Duality theorems for perturbed optimization problems 4—35403
Singer, J.F., Adkins, R.D. Managing for creativity in consulting engineering 4—57746
Singer, K. Video module and head amplifier of the new video recorders [Grundig] 4—38874
Singer, P.H. VLSI test systems: facing the challenge of tomorrow 4—30665
Singer, P.H. Analog test requirements drive ATE developments 4—45951
Singer, P.H. Computerizing the process line: a must for automation 4—50487
Singer, S. Power conversion and control with zero AC current harmonics by means of a time-variable transformer 4—57168
Singer, S., Rozenshtein, B., Surazi, S. Characterization of PV array output using a small number of measured parameters 4—34889
Singh, A. Earth station antennas 4—38552
Singh, A., Khokle, W.S. Ashing process for dry photolithography 4—30696
Singh, A., McClintock, R. Computer-controlled system for nondestructive thickness measurement of corroded steel structures 4—61229
Singh, A. *see* Gupta, R.P. 4—58875
Singh, B., Chern, G.C., Lauks, I. Application of spin-coated As_2S_3 thin films in a high resolution trilayer resist system 4—46901
Singh, B., Singh, B.P., Murthy, S.S., Jha, C.S. Design optimization of irrigation pump motors using Box's complex algorithm 4—62528
Singh, B.P. *see* Gupta, J.R.P. 4—34645
Singh, B.P. *see* Ranganadhachari, M.V.S.S. 4—62609
Singh, B.P. *see* Ranganadhacharl, M.V.S.S. 4—45446
Singh, B.P. *see* Singh, B. 4—62528
Singh, B.P. *see* Tandon, A.K. 4—57046
Singh, B.R. *see* Kochhar, M. 4—58876
Singh, C. Forced-frequency-balancing technique for discrete capacity systems 4—50590
Singh, C., Asgarpoor, S., Patton, A.D. Markov method for generating capacity reliability evaluation including operating considerations 4—62080
Singh, C., Patton, A.D. Reliability evaluation of emergency and standby power systems 4—56541
Singh, C. *see* O'Donnell, P. 4—62499
singh, D.P. *see* Chandra, S. 4—62707
Singh, H.J., Saraswat, K.C., Shott, J.D., McVittie, J.P., Meindl, J.D. Scaling of SOI/PMOS transistors 4—36617
Singh, I.B., Conroy, L. The telematic society: implications for the Pacific region 4—32154
Singh, J., Bajaj, K.K. Role of arsenic (As_2,As) in controlling the quality of GaAs grown by MBE: theoretical studies 4—50768
Singh, J., Budhani, R.C., Chopra, K.L. Electrical and optical properties of amorphous hydrogenated silicon prepared by reactive ion beam sputtering 4—51796
Singh, J. *see* Ormondroyd, R.F. 4—47459
Singh, L., Ahson, S.I. Microprocessor monitoring of an HVDC thyristor converter 4—49945
Singh, M., Jadhav, D.B., Joshi, S.C. Testing of an image intensifier tube for astronomical applications 4—39070
Singh, M., Singh, N.P., Singh, S., Virk, H.S. Radon-thoron estimation using LR-115 plastic track detector 4—56214
Singh, M. *see* Singh, N.P. 4—55864
Singh, M.G. Simulation of emergencies in nuclear plants using cheap parallel computation 4—62297
Singh, N. A normal approximation to distributions of likelihood ratio statistics in life testing, reliability and multivariate analysis of variance 4—57882
Singh, N.P., Manwinder Singh, Surinder Singh, Virk, H.S. Uranium and radon estimation in waters and plants using SSNTD 4—56221
Singh, N.P., Singh, M., Singh, S., Virk, H.S. Etching studies of fission damage in quartz 4—55864
Singh, N.P., Singh, S.N., Arora, N.K., Kotnala, R.K., Das, B.K. Diffused junction optimization in silicon solar cells by a photochemical method 4—40454
Singh, N.P. *see* Singh, M. 4—56214
Singh, P. Application of non-aqueous solvents to batteries 4—34821
Singh, R. Overview of photovoltaics and an emerging source of electric power 4—50106
Singh, R.P., Khanna, R.K. On characterization of directed divergence of type β through information equation 4—43024
Singh, S. Statistical properties of single-mode and two-mode ring lasers 4—59558
Singh, S., Cartwright, P. A study of electrostatic activity in grain silos 4—57664
Singh, S. *see* Camlibel, I. 4—52797
Singh, S. *see* Singh, M. 4—56214
Singh, S. *see* Singh, N.P. 4—55864
Singh, S.K. *see* Goel, L.R. 4—46006
Singh, S.N. Gyro motion boundedness under uncertain vehicle spin and acceleration 4—44842
Singh, S.N., Kohli, D.R. Digital simulation of a chopper controlled DC separately excited motor under regenerative braking 4—34690
Singh, S.N., Kohli, D.R. Performance determination of a chopper-controlled separately excited DC motor 4—40524
Singh, S.N., Kotnala, R.K., Jain, G.C. On the majority carrier collection in p^+-p-n^+ and n^+-p-p^+ silicon solar cells 4—34896
Singh, S.N., Kumari, S., Das, B.K. Electrical properties of polycrystalline silicon and zinc oxide semiconductors 4—58716
Singh, S.N. *see* Singh, N.P. 4—40454
Singh, U. 400 Watt high power amplifiers for remote stations 4—38546
Singh, V.N. *see* Basu, B.N. 4—41779
Singh Bhatti Surjit *see* Surjit Singh Bhatti
Singh Bhim *see* Bhim Singh
Singh Lakha *see* Lakha Singh
Singh Manwinder *see* Manwinder Singh
Singh Surinder *see* Surinder Singh
Singhal, S., Atal, B.S. Improving performance of multi-pulse LPC coders at low bit rates 4—53485
Singhal, S. *see* Thompson, G.L. 4—46111
Single, P. Understand spec subtleties when choosing modems 4—60572
Single, P. *see* Chan, A. 4—35697
Singleton, J.F. *see* Blunt, R.T. 4—36455
Singleton, P. *see* Bennett, K.H. 4—38273
Singleton, R. *see* Harris, K. 4—36685
Singleton, R.M. *see* Harris, K.L. 4—29287
Sinh, N.K. *see* El-Kady, M.A. 4—34098
Sinha, A. *see* Sharon, M. 4—40367
Sinha, A.K. *see* Vaidya, S. 4—42013
Sinha, A.S.C. A new technique for the solution of a nonlinear functional differential equation 4—46073
Sinha, B. *see* Soderstrand, M.A. 4—46578
Sinha, B.K., Basu, S.K. Mode identification of the rotor-stator interaction tones generated in ducts 4—49833
Sinha, B.K., Tanski, W.J., Lukaszek, T., Ballato, A. Stress induced effects on the propagation of surface waves [SAW devices] 4—30932
Sinha, B.K., Tiersten, H.F. Thermally generated transient frequency excursions in doubly-rotated quartz thickness-mode resonators 4—36978
Sinha, P.K., Hulme, A.J. Simulation and control of a nonlinear electromagnetic suspension system 4—35016
Sinha, R., Gupta, S.C. Performance evaluation of a protocol for packet radio network in mobile computer communications 4—32439
Sinha, R., Gupta, S.C. Carrier sense multiple access with collision detection for FH/FSK spread spectrum mobile packet radio networks 4—60729

Sinha, R.M.K. *see* Murty, Y.V.V.S. 4—57222
Sinham A.K. *see* Orlowsky, K.J. 4—36881
Sinharoy, S., Hoffman, R.A. Preparation of a clean GaAs(100) surface without Ga or As vapor sources 4—52013
Sinil'shchikova, I.V. *see* Bogachenkov, V.A. 4—59365
Sininger, D. *see* Drucker, H. 4—38331
Sinitsyn, A.K. *see* Novikov, V.A. 4—59136
Sinitsyn, G.F. *see* Alyavina, N.I. 4—50196
Sinitsyn, G.V. *see* Basiev, T.T. 4—31365
Sinitsyn, Yu.A. *see* Shestopalov, V.P. 4—56309
Sinkevich, V.F. *see* Kerner, B.S. 4—36610
Sinkov, M.V., Orlov, S.G. On singling out internal points in the domain preset by its boundary 4—32020
Sinman, A. *see* Sinman, S. 4—47425
Sinman, S., Sinman, A. Some operational characteristics of a pulsed Ar^{3+} laser 4—47425
Sinnecker, G. *see* Bettge, H. 4—62657
Sinning, H. The PA 80 hi-fi Grundig quadruplicate booster for car radio 4—38813
Sinning, H. Grundig active box for car L/U 300 hi-fi 4—38954
Sinning, H., Berger, G. WKC 3858 VD—a fully stereo, 4-output synthesizer autoradio with reverse drive and Dolby-B noise suppression 4—54970
Sinnott, J.J. F/A-18 supportability assurance readiness program 4—49351
Sinolitsyi, A.F. *see* Lazarevich, G.G. 4—62616
Sinsky, A.I. *see* Reed, J.E. 4—49411
Sinton, R.A. *see* Swanson, R.M. 4—45646
Sintonen, L. A local area ring network architecture 4—54424
Sintorn, H. *see* Smith, D.A. 4—62341
Sinyatynskii, A.A. *see* Shotov, A.P. 4—42663
Sinyavskii, G.P. *see* Lerer, A.M. 4—59832
Sinyavskii, V.I. *see* Khromov, I.Yu. 4—46389
Sinyavskii, V.I. *see* Sardushkin, V.Yu. 4—39485
Sinyavskiy, G.P. *see* Lerer, A.M. 4—31731
Sinyukov, V.V. *see* Alyavina, N.I. 4—50196
Sinyus, Ya. *see* Baltrameyunas, R. 4—30393
Siohan, P., Benslimane, A. Design of optimal finite wordlength linear phase FIR filters: new applications 4—60081
Siota, T. *see* Tanaka, S. 4—52676
Sipailov, G.A., Loos, A.V., Chuchalin, A.I., Lukutin, A.V., Gorisev, S.A., Kassirov, V.M. Improving the efficiency of using dynamoelectric pulse generators under unsymmetric shock and short time operating conditions 4—40333
Sipchuk, P.P. *see* Ivannikov, A.D. 4—29931
Sipila, H. *see* Jarvinen, M.-L. 4—39439
Siposan, D. *see* Zisu, T. 4—54904
Sipovskaya, M.A., Smetannikova, Yu.S. Dependence of the carrier lifetime in *n*-type InSb on the electron density 4—51786
Sippel, D.L. *see* Hill, M.K. 4—52457
Sipson, O.A. *see* Bohlander, R.A. 4—44917
Siragusa, G. Instant document delivery: the next phase 4—48050
Siraj, F. *see* Reed, J.R. 4—31586
Sirakibara, Y., Wakabayashi, T. Three-dimensional image reconstruction from electron micrographs 4—60023
Sirakov, E.G. *see* Boyadzhiev, Ya.S. 4—45988
Siran, J. Infinite families of crossing-critical graphs with a given crossing number 4—29355
Sirat, G., Ben-Yosef, N. A monolithic piezoelectric elasto-optic image modulator 4—37184
Sirenko, N.V. *see* Shershnev, S.S. 4—48786
Sirieix, M. *see* Chatard, J.P. 4—55229
Siripala, W. *see* Tomkiewicz, M. 4—50054
Siriratwatanakul, N. *see* Tunkasiri, T. 4—42484
Sirisena, H.R., Brown, E.P.M. Convergence analysis of weighted least-squares and fast decoupled weighted least-squares state estimation 4—45016
Sirisena, H.R. *see* Brown, E.P.M. 4—39850, 4—49578
Sirkin, E.R., VanderPlas, H.A. Application of Ti:W as a secondary mask in aluminum reactive ion etching 4—51938
Sirohi, R.S. *see* Sharma, D.K. 4—33479
Sirota, A.A. *see* Rog, A.I. 4—40927, 4—53649
Sirota, A.M., Latunin, V.I., Donnikov, V.E. Measurement of the pH of desalinated water with the double flow cell developed by VTI 4—39103
Sirota, D.N. *see* Gurvich, A.K. 4—58085
Sirotic, Z., Jaric, V., Saban, J., Mikulic, D., Rakic, J., Dabo, T., Crnko, S. High-power turbogenerators 4—56938
Sirotinskii, A.B. *see* Smirnov, B.V. 4—55531
Sirotkin, A.A. *see* Apollonov, V.V. 4—31333
Sirotkin, Ya.A. Axisymmetric vortex flow in a turbine stage with variable regimes 4—45314
Sirotkina, N.N. *see* Vainberg, M.Sh. 4—56174
Sirotyuk, L.T., Abramovich, I.I. Cable drum with linear motor drive 4—40537
Sirsen, J.M. *see* Agnelo, R.W. 4—46711
Sirtsov, S.P. *see* Negrutsak, V.T. 4—55490
Sirutkaitis, V. *see* Bareika, B. 4—42716
Siryj, B.W. *see* Litwak, A.A. 4—52528
Sisakyan, E.V. *see* Datskevich, N.P. 4—59449
Sischka, F., Treiber, U. Minimal temperature drift of RC circuit concepts 4—51020
Siskind, D.E. *see* Raitt, W.J. 4—33919
Siskind, E.J., Ong, L., Srinivasan, M., Frost, M., Reiser, P., Morrison, J. Experience with a FASTBUS based data acquisition system for imaging coronary arteries 4—33810
Siskos, S., Fontaine, C., Munoz-Yague, A. GaAs/(Ca,Sr)F_2/(001) GaAs lattice-matched structures grown by molecular beam epitaxy 4—46892
Sisouw de Zilwa, L.G. Practical use of wind energy by a Dutch utility, the Provincial Energy Company of Zeeland 4—34546
Sissakyan, I.N. *see* Shvartsburg, A.B. 4—37122
Sisson, M.J., Crees, D.E. A study of field controlled thyristors 4—47019
Sisson, M.J. *see* Wickenden, D.K. 4—46871
Sistenich, H.-P. *see* Hlubek, W. 4—56730
Sitaramam, V., Saxena, R.B. Steady state thermal analysis of electrical machines by finite element method 4—62529
Sitaraman, V. *see* Agashe, P.G. 4—30860
Sitaramaswamy, P. *see* Gopalkrishna, S. 4—31642
Site, A.Delle *see* Delle Site, A.
Sites, J.R. *see* Potter, R.R. 4—45632
Sites, J.R. *see* Rossnagel, S.M. 4—42449
Sitnichenko, V.M. *see* Belikov, V.T. 4—34692
Sitnikov, N.P. *see* Lazarev, Yu.N. 4—59758
Sitnikov, V.S. *see* Passokhin, A.A. 4—46523
Sitnin, O.V. *see* Blinov, I.F. 4—62423
Sitterle, J.J., Baxa, E.G., Jr. On applications of linear prediction filtering to small wavelength Doppler weather radar signal processing 4—60894
Sittnik, G. The overload protective unit. Its 3 for traction power mains 4—34219
Sittnik, G., Falke, N., Nass, M. A new system GS/GZ of rectifiers and DC cubicles 4—34727
Sittnik, G. *see* Forster, O. 4—34728
Sitts, G. *see* Kowalski, D.C. 4—52721
Sitzmann, R. Amateur radio. II. Dot-Dash. Electronic Morse key with text store 4—54138
Sitzmann, R. Dash-dot: electronic morse key with text memory. I 4—60419
Siu, W.-C., Constantinides, A.G. Hardware realization of Mersenne number transforms for fast digital convolution 4—58466
Siu Wan-Chi *see* Wan-Chi Siu
Siuci, A., Funakawa, K., Yamamoto, T., Aoki, Y. A realization of FIR digital filter hardware for real time image processing using residue number system 4—51453
Siukaev, A.V., Zakharov, A.A., Bogatyrchuk, V.I., Radutskii, A.M., Khodan, A.E., Chirikalo, A.V. Instrument for measuring the resistance of earthing devices 4—39957
Sivakumar, S. *see* Sharaf, A.M. 4—56489
Sivan, U. *see* Kapon, E. 4—59208
Sivaramaiah, G. Development trends in zinc-halogen batteries 4—34861
Sivaramakrishnan, A.Y., Hariharan, M.V., Srisailam, M.C. Design of variable-structure load-frequency controller using pole assignment technique 4—62076
Sivasubramanian, R., Givens, E.N. Effect of staged reactors on yield distribution for the SRC-I process 4—35089
Siverling, M.M. High precision stator/rotor quality 4—45398
Sivko, B.M. *see* Kipriyanov, N.Ya. 4—51643
Sivokhin, V.S., Turchin, E.Ya. Test results with a TGM-96B boiler firing a mixture of fuel oil and gas at the Kishinev TETs-2 4—34391
Sivokobylenko, V.F., Fil', M.I. Frequency relays in digital equipment elements 4—36115
Sivokobylenko, V.F., Lebedev, V.K. Determination of equivalent circuit parameters in analysis of synchronous motor operating regimes 4—34622
Sivov, A.N. *see* Katsenelenbaum, B.Z. 4—37717
Sivov, F.A., Miteva, S.S. Fluidic sensor and its application in dispensing apparatus 4—48852
Sivridis, D. *see* Avaritsiotis, J.N. 4—35067
Siwiec, G. *see* Ferens, J. 4—49965
Six, H. *see* Kirchhoff, G. 4—44409
Six, J.P. *see* Rombaut, C. 4—34989
Six, P. *see* Dierckx, R. 4—54033
Siy, P. *see* Salari, E. 4—60185
Sizmur, M. Applications of modern signal sources 4—39197
Sizov, F.F. *see* Troyan, Yu.G. 4—37212
Sjelvgren, D. *see* Habibollahzadeh, H. 4—34089, 4—34494
Sjobbema, D. Relays and microelectronics 4—36111
Sjobbema, D. Electricity from sun and sand 4—50045
Sjoberg, E. *see* Efurd, R. 4—38678
Sjoberg, S. Computationally efficient estimation of the mean frequency for real-valued signals 4—37812
Sjoberg, S. Computationally efficient estimation of the mean frequency for real-valued signals 4—60118
Sjobergh, B. Modern high frequency practices and systems 4—43925
Sjoholm, B., Karlsson, B. Swedish supply suits spot pricing 4—56399
Sjoholm, B.H. Low-grade fuels—an energy option 4—49662
Sjoreen, T.P., Ford, J.L.C., Jr., Blankenship, J.L., Auble, R.L., Bertrand, F.E., Gross, E.E., Hensley, D.C., Schull, D., Hynes, M.V. The vertical drift chamber as a high resolution focal plane detector for heavy ions 4—61686
Sjoreen, T.P. *see* Hynes, M.V. 4—55845
Skachkov, E.V. *see* Machulin, I.N. 4—61718
Skachkov, V.A. *see* Veselov, V.M. 4—39714
Skaggs, F.L. Vision-based parts measurement system 4—51626
Skakov, Yu.A., Edneral, N.V. Alloying surface layers using laser treatment 4—59574
Skala, M. Design of 5 MVA variable voltage furnace transformer with check of winding temperature during operation 4—45470
Skaletskii, E.K. *see* Arutyunyan, E.A. 4—37141
Skalevoi, A.V. *see* Skalevoi, V.V. 4—39228
Skalevoi, V.V., Bubliinik, V.E., Skalevoi, A.V. Noise-resistant zero element for digital extensometric self-balancing AC potentiometer 4—39228
Skalicky, P. *see* Rabenburg, L. 4—31030
Skalon, A.I. Study of static errors in electromechanical self-oscillating systems 4—33268
Skalski, C.A. High performance elevator control systems 4—57479
Skasyrskii, Ya.K. *see* Kozlovskii, V.I. 4—42610
Skeath, P. *see* Chin, A.K. 4—52816
Skeats, A.P., Ainslie, B.J. Electron microprobe studies on monomode optical fibres and preforms prepared by the MCVD technique 4—42373
Skeen, J. Energy Monitor 4—48927
Skeen, J. Ignition killer for cars 4—62774
Skegg, R. *see* Bryman, D. 4—33632
Skeldon, M.D. *see* Brukilacchio, T.J. 4—47346
Skensved, P. *see* Scanlon, P.J. 4—36460
Skettrup, T. *see* Petersen, P.M. 4—52703
Skhanov, V.I., Andreeva, O.V., Khazova, M.V. Use of dispersive refraction to record phase holograms in photographic film through dye substitution for silver 4—42744
Skinner, D.W. *see* Baumberger, J.G. 4—58577
Skinner, J. ZX81 generation and measurement interface 4—39031
Skinner, N.H. Load research and its application to electricity demand forecasting 4—56516
Skinner, R. *see* Degen, R. 4—62275
Skipper, R.G.S. Department of Energy R&D programme for new and renewable sources of energy: a strategic overview 4—34261
Skjoeldebrand, R. *see* Laue, H.J. 4—56744
Sklar, E. Fourier-transform ring laser 4—37399
Sklar, L.B. Efficiency factors in data communications 4—54114
Sklenicka, V. *see* Kelnar, O. 4—57113
Sklizkov, G.V. *see* Vasin, B.L. 4—55281
Sklyarchuk, V.M. *see* Kosyachenko, L.A. 4—36538, 4—52805, 4—59361
Sklyarenko, A.I. *see* Strenin, A.N. 4—48937
Sklyarov, V.F., Tsiptsyura, R.D., Perkhach, V.S., Skrypnik, A.I. A logical-dynamic model for an electric part of the central simulator power-generating unit at the training centre of the Tripolye State supercentral station 4—34605
Skobarikhin, Yu.V *see* Ignatov, V.E. 4—45472
Skobarkhin, Yu.V. *see* Ignatov, V.Ye. 4—45521
Skobelev, V.E. Methodology and algorithm of the synthesis of nonlinear networks for pulse generation 4—35603
Skobelev, V.E. *see* Epifanov, A.P. 4—49877
Skobel'tsev, Yu.V. *see* Popov, A.S. 4—53658
Skobern, J.R. Thermoelectrically cooled module 4—57832
Skocpol, W.J., Jackel, L.D., Howard, R.E., Craighead, H.G., Fetter, L.A., Mankiewich, P.M., Grabbe, P., Tennant, D.M. Magnetoconductance and quantized confinement in narrow silicon inversion layers 4—51899
Skoda, K. New production range of rotating electric machines of the ZSE enterprise, Prague, in the 7th five-year plan 4—45437
Skoda, V. *see* Kravarik, J. 4—59272
Skoda, Z. *see* Stiborova, E. 4—45553
Skodras, A.N., Deliyannis, T. Bandwidth improvement in IIR digital filters 4—41494
Skodzek, E. *see* Artemiev, V. 4—61684
Skoglundh, P.G. Sweden pioneers techniques for exploiting existing resources 4—56711
Skok, A.J. *see* Farooque, M. 4—40428
Skok, E.M. *see* Studenikin, S.A. 4—42461
Skokljev, I. *see* Djuric, M. 4—34569
Skolimowski, S. *see* Pobudzin, M. 4—32514
Skolnick, M.S., Dean, P.J., Taylor, L.L., Anderson, D.A., Najda, S.P., Armistead, C.J., Stradling, R.A. Identification of germanium and tin donors in InP 4—36263
Skolova, G.V. *see* Lachugin, V.F. 4—39905
Skoog, A.I., Brose, H.F. The complementary roles of existing and advanced Environmental, Thermal Control and Life Support technology for space station 4—44875
Skoog, A.I. *see* Leiseifer, H.P. 4—44876
Skoog, L., Sundmalm, C. ERICOM DIRECT 4—32245
Skoog, R.A. Transient considerations in the performance analysis of ring-based packet switches 4—48273

Skordalakis, E. Recognition of noisy peaks in ECG waveforms 4—49193
Skorka, S.J. *see* Rohrer, L. 4—33597
Skornyakov, V.A. *see* Karpenko, L.N. 4—41642, 4—41652
Skorska, M. *see* Upadhyaya, B.R. 4—49710
Skorubskii, V.I. *see* Platunov, A.E. 4—39040
Skorupa, W., Kreissig, U., Hensel, E., Bartsch, H. Increased carrier lifetimes in epitaxial silicon layers on buried silicon nitride produced by ion implantation 4—41960
Skotniczny, J. *see* Cholewka, J. 4—34975
Skotnikov, V.A. *see* Viktorov, L.V. 4—61306
Skou, N. Microwave signatures of sea ice based on airborne radiometer measurements 4—39742
Skovorod'ko, S.N. *see* Direktor, L.B. 4—53037
Skowronska, M. *see* Kusmider, G. 4—41751
Skrabek, E.A. *see* Brittain, W.M. 4—39671
Skrebkov, S.A. *see* Atamasov, V.D. 4—62713, 4—62714
Skresanov, V.N. *see* Bulgakov, B.M. 4—53202
Skrigan, N.N. *see* Mikulovich, V.I. 4—37934
Skripachev, I.V. *see* Bagrov, A.M. 4—31147
Skripchenko, A.I., Surkov, A.V. Selecting the optimum beam parameters for laser welding 4—35073
Skripnik, Yu.A., Glazkov, L.A., Vodotovka, V.I., Galkin, L.A. Dual frequency monitoring method for material concentrations in liquid media 4—44639
Skripova, N.M. *see* Kuznetsov, I.A. 4—35532
Skritek, P. Steep-flanked active filters with FDNRs 4—41461
Skritek, P. Updating the electro-acoustic system of the 'Burgtheater' 4—44347
Skritek, P. A combined measurement method for both DIM and static nonlinear distortion 4—44609
Skritek, P., Kaiser, L. Comparison of different lowpass-filter realisations for high-quality PCM-audio 4—29991
Skromme, B.J., Stillman, G.E., Oberstar, J.D., Chan, S.S. Photoluminescence identification of the C and Be acceptor levels in InP 4—41839
Skromme, B.J. *see* Stillman, G.E. 4—30343
Skryl', V.F. Investigation of the energy characteristics of information signals with modulation of industrial frequency currents 4—45105
Skryl', V.F., Khlystov, V.M. Increasing accuracy when finding network losses by optimising sequence of transducer interrogations 4—56697
Skryl', V.F. *see* Maiboroda, G.A. 4—39955
Skrypnik, A.I. *see* Sklyarov, V.F. 4—34605
Skrypnik, G.I. On the design of optimum decision schemes for ambiguity resolution in phase measurements 4—47766
Skryshevskii, V.A. *see* Vakulenko, O.V. 4—46822
Skuce, D. Lenses from Fujinon—steady advances in technology 'up front' 4—61033
Skuce, D. Good service must back quality lenses 4—61035
Skudelny, H.-C., Weinhardt, M. An investigation of the dynamic response of two induction motors in a locomotive truck fed by a common inverter 4—35006
Skudelny, H.-C. *see* Schleuter, W. 4—57336
Skudnova, E.V. *see* Belokurova, I.N. 4—30372
Skuletic, S., Zivkovic, J. Reliability of distribution lines and cables 4—62192
Skulimowski, W. Development trends of signalling block of television receiver 4—61010
Skursky, M. *see* Tvaruzkova, J. 4—41672
Skvarna, P.E. *see* Bartel, J.J. 4—62459
Skvor, V. *see* Rus, L. 4—33097
Skvorov, L.I. *see* Pikarnikov, V.P. 4—60869
Skvortsov, T.A. Simultaneous detection and measurement of the receiving angle for a signal using an antenna array 4—42976
Skvortsov, T.A., Dovnarovich, L.A. Simultaneous detection and measurement of the fluctuating phase of a signal 4—43360
Skvortsov, V.P. *see* Akatkin, O.A. 4—39581
Skyllas-Kazacos, M. A rotating ring-disc electrode study of impurity effects on lead corrosion in sulphuric acid 4—45601
Skyum, S. *see* Jerrum, M.R. 4—29356
Slabbaert, J.P. *see* Sansen, W. 4—33213
Slachmuylders, E., Stroom, C. Future trends in spacecraft thermal control designs 4—44805
Slack, C. *see* Krumpelt, M. 4—49825
Slack, G.A. *see* Rosolowski, J.H. 4—36302
Slack, L.H. *see* Allington, T.R. 4—58654
Slade, D. *see* McGeechan, S. 4—36980
Slade, P.G. The vacuum interrupter contact 4—45566
Slade, S. Multiple controllers create high speed color graphics 4—58409
Sladen, J.P.H., McGeehan, J.P. The performance of combined feedforward AGC and phase-locked AFC in a single sideband mobile radio receiver 4—54640
Sladojevic, M., Uljarevic, Z. Determining the optimal time of burn-in for TV sets 4—32921
Slager, S.J. Automatic CRT focus adjustment 4—39068
Slagt, E. *see* Hagen, T. 4—43787
Slama, R. *see* Lorente, P. 4—49269
Slaninka, P. Evaluation of the dielectrical parameters of multicore cables with metallic and nonmetallic sheath 4—45113
Slaninka, P. Computing dielectric parameters of multiconductor system in complex surroundings 4—56609
Slasky, B.S. *see* Sashin, D. 4—44741
Slater, E.J. A meter for the measurement of pulse amplitude from electrical nerve stimulators 4—56180
Slater, E.J., Trappitt, A.E. A battery powered nerve stimulator for the treatment of scoliosis 4—56181
Slater, J. *see* Quimby, D. 4—47369
Slater, J.M. *see* Grossman, W.M. 4—47367
Slater, M. *see* Allwood, A.R. 4—60620
Slater, P.N. Short summary of multispectral imaging systems 4—39696
Slatkine, M., Bigio, I.J. Quenching of backward stimulated Raman scattering by broadband forward Raman radiation 4—53075
Slatkine, M. *see* Bigio, I.J. 4—42616
Slator, D.E. *see* Carter, A.G. 4—45575
Slatter, J.A.G., Sandoe, J.N., Hughes, J.R. Characterisation and modelling of SIPOS on silicon high voltage devices 4—46967
Slaughter, R.J. *see* Plessner, K.W. 4—52587
Slavik, I. Peak power semiconductor components and their applications 4—34730
Slavik, I. Use of power electronics in drives 4—40526
Slavinskaya, N.S. *see* Gerasimov, N.P. 4—51911
Slavinskii, M.M. *see* Bystrov, V.P. 4—56305
Slavinskii, S.I. *see* Pavlenko, Yu.F. 4—55328
Slavinskii, V.D. *see* Osipenko, V.P. 4—62859
Slavkov, V.D., Glushchenko, A.I. Using simple mechanization means in radiographic inspection 4—58090
Slavov, G.G., Petrov, M.G., Dinev, R.P. An analysis of the design and implementation of three simulators 4—35722
Slavtchev, A. *see* Kerin, T. 4—56117
Slawson, V. *see* Adamson, A.W. 4—57354
Slawson, W.F. *see* McCollor, D.C. 4—33963
Slayton, M.H., Angleton, P.A., Janicky, W. Influence of elevated temperature on some piezoelectric materials 4—52338
Slayton, M.H. *see* Schmitt, R.M. 4—56368
Sleaford, B. *see* Del Guerra, A. 4—33831
Sleat, W.E. *see* Sibbett, W. 4—59684
Sleeman, B.D. *see* Manoranjan, V.S. 4—50721
Sleeman, J.C. *see* Brown, J.S. 4—39487
Sleeper, H.A. *see* Wilson, S.G. 4—43171
Sleger, K.J. Government systems and GaAs monolithic components 4—30701
Sleigh, P.D. *see* Ferguson, K.W. 4—36032
Slekys, A.G. The unwired world of cellular communications 4—60735
Slepyan, A.Ya. *see* Gulyayev, Yu.V. 4—46766
Slepyan, A.Ya. *see* Kuraev, A.A. 4—51528
Slepyan, G.Ya. Nonreciprocal resonant effects when waves propagate in layered gyrotropic media and in periodic structures with a gyrotropic filling 4—31630
Slepyan, G.Ya. *see* Gulyayev, Yu.V. 4—46766
Slepyan, G.Ya. *see* Kuraev, A.A. 4—51528
Slezak, C. *see* Grosso, P. 4—31526
Sliter, G.E., Wanless, J.W. Compilation of radiation effects data for organic materials 4—59086
Slivka, V.Yu. *see* Suslikov, L.M. 4—59298
Slivkov, I.N. *see* Akishin, A.I. 4—58673
Sliwa, E. *see* Starzyk, J.A. 4—46309
Sliwa, H. Single chip μC with pick-a-back EPROM [HD 68 PO1] 4—29905
Sljivovacki, S. Computer failure rate calculation of elements and assemblies 4—29293
Sloan, M. Design automation and test technology for undergraduates—cannibalizing the curriculum 4—33148
Sloan, M.G. *see* Rose, L. 4—29268
Sloane, D. On the threshold of tomorrow's network 4—47966
Sloane, N.J.A. *see* Conway, J.H. 4—37878
Sloane, N.J.A. *see* Reeds, J.A. 4—51391
Sloane, T.H.A. *see* Waters, C.B. 4—39734
Sloat, R.J. *see* Brooksbank, R.E. 4—40011
Slob, A. *see* Veendrick, H.J.M. 4—51236
Sloboda, R.S. *see* Morris, P.B. 4—49178
Slobodchikov, S.V. *see* Kovalevskaya, G.G. 4—36333
Slobodchikov, S.V. *see* Meredov, M.M. 4—30429
Slobodnik, A.J., Jr. Time delay devices for phased array antennas 4—52412
Slobodrian, R.J. Proposed new method, simple and durable, for the production of highly polarized electrons 4—33624
Slobodyan, S.M. *see* Arutyunov, V.A. 4—55138
Slocik, J.P. *see* Rathbun, W.H. 4—49940
Sloev, B.A. Identification of M-S structures during synthesis of correct sequences for microprocessor 4—58266
Slone, S. Is Britain slouching toward deregulation or moving too fast? 4—53983
Slonecker, M.H., Goodman, S.E., Williams, J.C. Low-loss environmentally stable single-mode optical coupler for 1300-nm operation 4—52668
Slonim, M.A., Stanek, E.K. Transient processes in single-phase inverters for use in photovoltaic power systems 4—57213
Slotboom, J.W. *see* Veendrick, H.J.M. 4—51236
Slowikowski, J. *see* Latour-Slowikowska, H. 4—59095
Slutsker, I.W. *see* Wamser, R.J. 4—62134
Sluyters, Th., Alessi, J., Kponou, A. Status of the AGS polarized negative ion source 4—61622
Sluyters, Th., Alessi, J., Kponou, A. Status and future plans for the BNL polarized H^- source 4—61659
Slynchenko, V.I. *see* Zhukov, A.A. 4—48714
Slyn'ko, V.M. *see* Stognii, B.S. 4—51571
Slyusar, P.B. *see* Petrenko, A.I. 4—29776
Slyusarenko, S.S. *see* Oleinik, O.I. 4—47523
Smadja, G. *see* Brand, C. 4—33639
Smaga, I.V. *see* Firtsak, Yu.Yu. 4—59297
Smagala, T. *see* Virdee, L. 4—44825
Smagin, A.G. Hyper-Q Macroscopic Oscillator Systems 4—47160
Smagin, V.N., Marinov, R.A., Drobot, G.K., Lebedev, V.Yu., Dyachenko, A.P., Pavlovskii, E.P. Experience of designing, commissioning and operating electrodialysis plant for demineralising water at thermal power stations 4—40109
Smagin, Yu.A., Smirnova, N.P., Trifonov, E.F., Shadrin, M.P. Measurement of microcircuit rise times 4—33494
Smajek, L. *see* Geppart, A. 4—44979
Smakovskii, Yu.B. *see* Baranov, V.Yu. 4—59450
Smal, A.F. Development of standards and improvement of the planning of constant expenditure in the regional electric power installations of Brest energy authority 4—62116
Small, C.H. Low-cost computerized board-layout tools speed design cycle, improve documentation 4—30173
Small, C.H. Handheld field-service instruments evolve into useful engineering tools 4—39213
Small, D.J. Tape automated bonding and its impact on the PWB 4—46691
Small, L.L., McKen, D.C.D., Offenberger, A.A. Low-jitter, low-inductance, electrically triggered spark gap 4—58675
Small, M.B., Stubkjaer, K.E. Noise properties of semiconductor lasers in simulated conditions of optical playback 4—53010
Small, M.B. *see* Potemski, R.M. 4—51984
Small, M.B. *see* Stubkjaer, K.E. 4—42647
Small, R.H. Total difference-frequency distortion: practical measurements 4—44554
Small, S.H. Custom devices, dual-μP architecture power $5^1/_2$-digit multimeter 4—39215
Small, W.T. *see* Davis, A.M. 4—46557
Smalley, K.G. *see* Rich, D.A. 4—41347
Smart, J.W. *see* Whang, K.W. 4—32624
Smart, N.M., Barnett, S. Transformation matrices in the general bilinear transformation of multivariable polynomials 4—47853
Smayling, M. *see* Tittel, F.K. 4—37321
Smayling, M.C. *see* Baglee, D.A. 4—58865
Smayling, M.C. *see* Duvvury, C. 4—36631
Smead, F.W. Utilizing basic ICNIA capabilities to improve mission availability and reduce pilot workload 4—49392
Smeby, J.M. Solder joint behavior in HCC/PWB interconnects 4—57840
Smedman, K.E., Wiren, K.T. Battery charging principles and systems in use at the Swedish Telecommunications Administration—present and planned installations 4—57183
Smedt, R.De *see* De Smedt, R.
Smeets, B.J.M. *see* Schalkwijk, J.P.M. 4—47714
Smeins, C.B. *see* Askew, J.C. 4—35284
Smeltzer, R.K. *see* Jastrzebski, L. 4—51893
Smelyakov, V.V., Gartshtein, B.N., Barmin, V.I. Error in calculating the CND for the output signal from a digital-analog generator of a step approximation 4—55365
Smelyi, V.P. *see* Boradaev, V.A. 4—44589
Smernos, S. *see* Strauss, R. 4—46690
Smetana, C. Companding disc recording—the CX system 4—61161
Smetana, P. *see* Kim, K.M. 4—29446, 4—41038, 4—50739, 4—50740
Smetanka, T.D. *see* Doss, L., II 4—32444
Smetannikova, Yu.S. *see* Sipovskaya, M.A. 4—51786
Smiai, M.S. *see* Haque, S.E. 4—58219
Smid, L. *see* Preis, J. 4—58979
Smid, M. *see* Gont, M. 4—57252
Smiley, P.M., Biagioni, R.N., Ellis, A.B. Zinc selenide photoelectrodes. Efficient radiative recombination in a stable photoelectrochemical cell 4—50025
Smilowitz, B. *see* Porter, W.A. 4—52411
Smilyanskii, I.I. *see* Kizilov, V.U. 4—31829
Smiole, F. *see* Amon, S. 4—34911
Smirl, A.L. *see* Boggess, T.F. 4—53074
Smirl, A.L. *see* Boyd, I.W. 4—46795
Smirl, A.L. *see* Van Stryland, E., W. 4—42689
Smirnitskii, V.B. *see* Belotelov, S.V. 4—36315
Smirnitskii, V.B. *see* Fronts, K. 4—52991
Smirnitskii, V.B. *see* Kalandarishvili, K.G. 4—37379
Smirnitskii, V.B. *see* Karpov, S.Yu. 4—52696
Smirnov, A.I. *see* Pruss, V.L. 4—39851
Smirnov, A.N., Eismont, V.P. Thin-film breakdown counters (review) 4—61696
Smirnov, A.N. *see* Krasavin, A.V. 4—40101

Smirnov, A.V. *see* Baranovskiy, A.L. 4—39572
Smirnov, A.Ya. Lasers with narrow radiation spectrum locked to atomic absorption lines of compounds 4—37331
Smirnov, A.Ya. *see* Voitovich, A.P. 4—42542
Smirnov, B.G. *see* Alekseev, I.A. 4—42560
Smirnov, B.I. *see* Posse, A.V. 4—56570
Smirnov, B.N. *see* Dyatchenko, A.A. 4—59271
Smirnov, B.V., Solov'ev, E.N., Sirotinskii, A.B., Levin, E.D. Electronic water level indicator 4—55531
Smirnov, E.N. *see* Pilipko, D.D. 4—55363
Smirnov, G.I. *see* Badalyan, A.M. 4—37287
Smirnov, K.A. Conditions for onset of cumulative hunting in power systems 4—39779
Smirnov, K.A. On static stability of power systems containing load nodes 4—56407
Smirnov, L.M. *see* Kotlyar, Ya.A. 4—30059
Smirnov, L.N. *see* Krasavin, A.V. 4—34426
Smirnov, L.V. *see* Beruchev, N.G. 4—61603
Smirnov, L.V. *see* Lentyaev, L.D. 4—45329
Smirnov, S.Yu. *see* Bystrov, V.P. 4—56305
Smirnov, V.A. Experimental study of forced oscillations of a sound plate using a holographic interferometry method 4—42736
Smirnov, V.A. *see* Baraulya, V.I. 4—31346
Smirnov, V.A. *see* Mazhorova, O.S. 4—29479
Smirnov, V.A. *see* Zharikov, E.V. 4—31364, 4—42603
Smirnov, V.B. *see* Daletskii, G.S. 4—57341
Smirnov, V.B. *see* Lidorenko, N.S. 4—55714
Smirnov, V.G. *see* Meredov, M.M. 4—30429
Smirnov, V.I. *see* Grigor'yants, V.V. 4—42387
Smirnov, V.L. *see* Dedushenko, K.B. 4—31175
Smirnov, V.M. *see* Andrianov, V.A. 4—42843
Smirnov, V.M. *see* Pikarnikov, V.P. 4—60869
Smirnov, V.P. *see* Alekseev, G.S. 4—49077
Smirnov, V.P. *see* Beruchev, N.G. 4—61603
Smirnov, V.S. Effect of Fresnel reflection from the boundary between the solution and the cell side surface on the spatial-angular characteristics of emission from dye solutions under lamp excitation 4—31344
Smirnov, V.V. *see* Gimadeeva, E.N. 4—36082
Smirnov, V.V. *see* Kozlovskii, V.I. 4—42610
Smirnova, A.S. *see* Andriesh, A.M. 4—47525
Smirnova, L.D. *see* Kuprenyuk, V.N. 4—59560
Smirnova, L.P. *see* Simeonova, Yu.M. 4—48896
Smirnova, N.P. *see* Smagin, Yu.A. 4—33494
Smirnova, S.L. *see* Antipov, Yu.M. 4—61731
Smirnova, S.N. *see* Andreeva, E.A. 4—61787
Smirnova, T.P. *see* Belyi, V.I. 4—30552
Smiroldo, C., Jr. *see* Connell, W. 4—45235
Smit, A. *see* Thompson, A. 4—55956
Smit, J. Wind turbines in Rijnmond 4—34528
Smit, J. Saving power with domestic electrical appliances 4—35064
Smit, J. Power supply metering 4—56692
Smit, J. Andenne and Lixhe water power stations 4—56869
Smit, J.E. *see* van Alste, J.A. 4—49237
Smit, J.J., Geurts, W.S.M. Endurance tests on a quartz-filled epoxy resin system 4—59092
Smit, J.J. *see* Boenink, H.J. 4—62876
Smit, J.S. Telecommunications in aviation 4—54648
Smit, O.A. *see* Bogachenkov, V.A. 4—59365
Smith, A. *see* Paler, K. 4—51668
Smith, A.A., Jr. *see* German, R.F. 4—31765
Smith, A.J. *see* Howes, J.H. 4—35651
Smith, A.L.S., Sephton, J.P., Scott, G. High-peak power extended lifetime sealed TEA CO_2 lasers 4—47415
Smith, A.L.S. *see* Scott, G. 4—52910
Smith, A.R. Designing for the environment [outside telephone equipment] 4—38342
Smith, A.R. *see* Goulding, F.S. 4—33703
Smith, A.R. *see* Stone, D.C. 4—30763, 4—36918
Smith, A.W.H. *see* Rhoades, G.E. 4—58562
Smith, B. Picture-perfect audio filters 4—51406
Smith, B. *see* Crowley, J.I. 4—33459
Smith, B. *see* Grant, T.J. 4—36222
Smith, B. *see* Rumsby, D. 4—30350
Smith, B.E. *see* Sakata, A.T. 4—49651, 4—62634
Smith, B.V., Gazey, B.K. High-frequency sonar transducers: a review of current practice 4—39753
Smith, C.B. *see* Elliott, P.G. 4—45860
Smith, C.D. True/complement shift-array multiplier cell 4—46536
Smith, C.D. True/complement shift-array multiplier decoder 4—46537
Smith, C.D., Ward, H.T. True/complement shift-array multiplier 4—46535
Smith, C.E., Putman, R.E.J. Papermill energy management using distributed process control 4—62889
Smith, C.H. *see* Raskin, D. 4—30944
Smith, C.J., Dallen, J.A. A comparison of design strategies for software and for VLSI 4—52249
Smith, C.N. *see* Petrovic, V. 4—38450
Smith, C.S. *see* Iskander, M.F. 4—44725
Smith, C.S. *see* Knott, M. 4—40923
Smith, D. Schmitt trigger has controllable thresholds 4—29735
Smith, D., Bell, W.R., Auchterlonie, L.J. Microwave cavity of improved design for gas breakdown studies and its application to helium-oxygen mixtures 4—55655
Smith, D. *see* Bryant, C. 4—48939, 4—55336
Smith, D.A., Laflesh, R.C., Sintorn, H. Coal water mixtures are being tested in a Swedish district heating plant 4—62341
Smith, D.A. *see* Geraghty, D. 4—56510
Smith, D.A. *see* Pretorius, J.A. 4—58280
Smith, D.B. *see* Homma, T. 4—61803
Smith, D.C., Noto, R., Borgini, F., Sharma, S.S., Werbickas, J.C. The variable geometry automated universal array layout system (VGAUA) 4—29760
Smith, D.C. *see* Evans, A.L. 4—61801
Smith, D.C. *see* Main, C. 4—33794
Smith, D.D. The 1983 Shoenberg Memorial Lecture of the Royal Television Society—space platforms and television: shaping the future of the medium 4—38558
Smith, D.G. *see* Green, D.G. 4—57734
Smith, D.G. *see* Phillips, R.E. 4—58381
Smith, D.J., Hancock, J.L., Bohley, T.K. Counter module simplifies measurements on complex waveforms 4—48709
Smith, D.J. *see* McMillan, G.B. 4—41950
Smith, D.K. Planning large systems reliability growth tests 4—48417
Smith, D.K., McGill, T.C. HgTe-CdTe superlattices 4—41871
Smith, D.K. *see* Marks, R.J., II 4—43429
Smith, D.L., Arch, D.K., Wood, R.A., Scott, M.W. HgCdTe heterojunction contact photoconductor 4—47323
Smith, D.L. *see* Gonzalez, W.R. 4—45214
Smith, D.M. *see* Petley, D.H. 4—44801
Smith, D.P.E. Titanium nitride and zirconium nitride as non-diffusing and mechanically hard infrared reflective thin film coatings 4—59101
Smith, D.P.E., Speidell, J.L., Yee, D.S. Lift-off process yielding tapered profile patterns 4—58880
Smith, D.R., Garrett, I. Receivers for longer wavelength optical communication systems 4—54740
Smith, D.R. *see* Chidgey, P.J. 4—60842
Smith, D.R. *see* Monma, C.L. 4—43570
Smith, D.R. *see* Sibley, M.J.N. 4—54764
Smith, D.T. Amplitude distributions of noise waveforms 4—30578
Smith, D.W., Hodgkinson, T.G., Wyatt, R., Malyon, D.J. Operation of experimental coherent optical-fiber transmission systems 4—54809
Smith, D.W. *see* Hodgkinson, T.G. 4—32830
Smith, E.G., Green, C.N., Grimm, R.H. S-3A aircraft: integrated communications control with confidence 4—49390
Smith, F.J. *see* Jeppson, M.R. 4—40609
Smith, G.A. The printed circuit board thermal zone concept 4—46726
Smith, G.C. High accuracy gaseous X-ray detectors 4—55837
Smith, G.C., Fischer, J., Radeka, V. Photoelectron range limitations to the spatial resolution for X-rays in gas proportional chambers 4—33686
Smith, G.C., Williams, G.P. A channel electron multiplier and optically coupled amplifier used as an incident flux monitor 4—55839
Smith, G.E. Sub-micron NMOS technology for high speed VLSI 4—30807
Smith, G.E., III *see* Askin, H.O. 4—29797, 4—29798, 4—35758, 4—46459
Smith, G.F. The early laser years at Hughes Aircraft Company 4—52849
Smith, G.J., Milne, W.I. The efficiency of gas usage in glow-discharge deposition of hydrogenated amorphous silicon 4—35508
Smith, G.J. *see* Clarke, R.J. 4—59007
Smith, G.S. Directive properties of antennas for transmission into a material half-space 4—37714
Smith, G.S. Limitations on the size of miniature electric-field probes 4—55407
Smith, H. Diagnostic use of nuclear magnetic resonance: limits of exposure 4—44788
Smith, H. *see* Vilar, E. 4—38579
Smith, H.B. *see* Perkins, L.C. 4—49378
Smith, H.C. *see* Duffy, D.D. 4—40844
Smith, H.I., Thompson, C.V., Atwater, H.A. Graphoepitaxy and zone-melting recrystallization of patterned films 4—29485
Smith, H.I. *see* Atwater, H.A. 4—30432
Smith, H.I. *see* Keavney, C.J. 4—30544
Smith, H.V., Jr., Allison, P., Sherman, J.D. A scaled, circular-emitter Penning SPS for intense H^- beams 4—61651
Smith, I. Widening the circle of the video machine 4—48604
Smith, I.D. *see* Clarke, R.J. 4—59007
Smith, I.K. *see* McAuley, T.J. 4—33969
Smith, I.R. *see* Tez, E.S. 4—57121
Smith, J. Call-back schemes ward off unwanted access by telephone 4—32524
Smith, J. The art, science and myths behind standards-making 4—40893
Smith, J.D.B. Monitoring the storage stability of large volumes of vacuum pressure impregnating resins 4—36958
Smith, J.E. US hydrogen fuels industry 4—40665
Smith, J.E., Jr. *see* Cuomo, J.J. 4—51639
Smith, J.F. *see* Ellis, T.E. 4—46670
Smith, J.H. Thin-film media meet increased storage demands 4—42243
Smith, J.L. *see* Case, W.E. 4—52526
Smith, J.M. Standards for character communication 4—43098
Smith, J.M., Bruenger, F.W. Quantitative assay for plutonium and uranium in tissue using fission track detection 4—56091
Smith, J.M. *see* Williams, F.H. 4—33743
Smith, J.O., Freidlander, B. Adaptive multipath delay estimation 4—60061
Smith, J.O., Gossett, P. A flexible sampling-rate conversion method 4—53735
Smith, J.O. *see* Friedlander, B. 4—43313, 4—43386
Smith, J.R., Tait, A. Design application of an electrical machine response simulator 4—62523
Smith, J.S. *see* Chen, Z.H. 4—36549
Smith, J.S. *see* Rav-Noy, Z. 4—52114
Smith, J.S. *see* Robinson, D.L. 4—59917
Smith, J.T. Remote monitoring of the pressurised cable network. I. Cable flow monitoring 4—60319
Smith, J.W. *see* Pomerance, C. 4—53427
Smith, K. Electron beam tests dense VLSI chips 4—42080
Smith, K. Coherent fiber optics taps potential for unlimited bandwidth 4—42341
Smith, K., Sibbett, W., Taylor, J.R. Subpicosecond generation via hybrid mode-locking of styryl 9 in the near infra-red 4—31343
Smith, K., Sibbett, W., Taylor, J.R. Dual wavelength room temperature laser operation of colour centres in lithium fluoride 4—52938
Smith, K.A., Wassyng, A., Starfield, A.M. Development of a systematic problem solving course: An alternative to the use of case studies 4—35176
Smith, K.C. *see* Hu, M. 4—58229
Smith, K.F. *see* Peterson, J.C. 4—35775
Smith, K.L. DC supplies from AC sources. I 4—58146
Smith, K.Oldham *see* Oldham Smith, K.
Smith, L. *see* Horden, I. 4—41388
Smith, L. *see* McAlister, J. 4—34246
Smith, L., Jr., Horden, I., Katausky, J. I/O structures for automotive microcontrollers 4—57496
Smith, L.E., Jr., Vickers, H. Validated results from an integrated communications modem 4—43859
Smith, L.G., Gilchrist, B.E. Rocket observations of electron density in the nighttime *E* region using Faraday rotation 4—56302
Smith, L.S. *see* Hart, H.R. 4—49158
Smith, L.S. *see* Toth, A.J. 4—52241
Smith, M. Shedding light on the Euronorm standard 4—29199
Smith, M. Has the world standard m.c.c.b. arrived? 4—45560
Smith, M. *see* Ozkaynak, H. 4—34256
Smith, M.de *see* de Smith, M.
Smith, M.D. The Western Esplanade geothermal project in Southampton, England 4—34461
Smith, M.F. LED display for the MC6809 4—44562
Smith, M.F., Vimalan, V.J. Interfacing the 146818 real-time clock to the Z80 4—35898
Smith, M.G.Le Blanc *see* Le Blanc Smith, M.G.
Smith, M.H. Microprocessors help cut costs in electricity supply 4—45180
Smith, M.J.T., Barnwell, T.P., III A procedure for designing exact reconstruction filter banks for tree-structured subband coders 4—53553
Smith, M.P. *see* Vesecky, J.F. 4—56325
Smith, M.S. *see* Fong, A.K.S. 4—59884
Smith, M.W., Farden, D.C. Statistical design of cascade finite wordlength FIR digital filters 4—60085
Smith, M.W. *see* Baliga, B.J. 4—52141
Smith, P. *see* Darby, J. 4—35263
Smith, P.D. *see* Sumner, T.J. 4—61691
Smith, P.F. Development of hearing conservation standards for hazardous noise associated with diving operations 4—61832
Smith, P.M., Lloyd, J.R., Prokop, G.S. Lot-to-lot variations in electromigration performance for thin film microcircuits 4—46739
Smith, P.M. *see* Bird, C.L. 4—33161
Smith, P.M. *see* Chao, P.C. 4—36058, 4—58549
Smith, P.M. *see* Dandekar, N. 4—58543
Smith, P.M. *see* Minshull, J.F. 4—33162
Smith, P.M. *see* Shealy, J.R. 4—58541
Smith, P.R. *see* Auston, D.H. 4—53292
Smith, P.W. Bistable optical devices 4—37469
Smith, P.W., Ashkin, A., Bjorkholm, J.E., Eilenberger, D.J. Studies of self-focusing bistable devices using liquid suspensions of dielectric particles 4—31490
Smith, R., Millott, L.J. Synchronisation and slip performance in a digital network 4—60322
Smith, R.C., Booth, C.R., Star, J.L. Oceanographic biooptical profiling system 4—61937
Smith, R.D. *see* Nickum, J.D. 4—37586
Smith, R.E., Jones, D.P., Taylor, D.R.S. A solid-state instrument for measuring dynamic changes in the pupil of the human eye 4—56101
Smith, R.E., La, W.H.T. Development of a microprocessor-based wheelchair feedback controller 4—56155
Smith, R.F. Shroud for pinfield 4—51664

Smith, R.F., Wilreker, V.F., Shaltens, R.K. Measured effects of wind turbine reactive power control on an isolated utility 4—56898
Smith, R.G. *see* Brown, M.G. 4—31402
Smith, R.J. *see* Saran, G.S. 4—37523
Smith, R.L. *see* Cordaro, W. 4—51220
Smith, R.L. *see* Hengst, R.J. 4—58421
Smith, R.M. *see* Bednar, R.A. 4—44147
Smith, R.P., Closs, H., Stiles, P.J. Thermoelectric effects in silicon MOSFETS in high magnetic fields 4—52134
Smith, S. *see* Redding, R.J. 4—33182
Smith, S.A., Watts, R. Critical materials assessment program [photovoltaic cell materials] 4—31241
Smith, S.D. *see* Stegeman, G.I. 4—37441
Smith, S.D. *see* Taghizadeh, M.R. 4—37118
Smith, S.F. Exchange organisation and switching 4—60613
Smith, S.G. Modelling musical instruments in the digital domain 4—53736
Smith, S.G. *see* Nash, J.H. 4—30733
Smith, S.L., Cvetkovich, T. Multi-color holography with a single frequency laser utilizing triethanolamine as a pre-exposure agent 4—59635
Smith, S.M. Specular reflectance of optical-black coatings in the far infrared 4—52754
Smith, S.W. Internal noise of low-frequency preamplifiers 4—41220
Smith, T. New super-fast semiconductor material for future electronic systems 4—30662
Smith, T. Morse sending trainer 4—48317
Smith, T. Batteries 4—50027
Smith, T.C. Wafer cooling and photoresist masking problems in ion implantation 4—41972
Smith, T.I. A look at the free electron laser and its potential 4—52866
Smith, T.I. *see* Edighoffer, J.A. 4—47374
Smith, T.I. *see* Madey, J.M.J. 4—47389
Smith, T.M. *see* Bernstein, I.B. 4—59831
Smith, T.W. A stand-alone VLSI engineering workstation 4—52238
Smith, V.L., Schmidt, M.W. Where's the trouble? RID provides answer [remote isolation device] 4—43848
Smith, W.D. *see* Grigg, C.H. 4—34102
Smith, W.P., Jr., Fischer, R.N. Cogeneration: small turbine-generator case study 4—56851
Smith, W.R. Closed-loop control of the 'Z' stage of a wafer prober 4—30574
Smith-Saville, R.J. Tracking geostationary communications satellites 4—44021
Smither, R.K. *see* Kutschera, W. 4—33761
Smithers, A.M. Fuel gauge 4—35023
Smithers, C.R. A study of bipolar linear power amplifiers at HF and VHF using a computerised automatic testing system 4—38451
Smithers, M.E. *see* Ferguson, T.R. 4—47479, 4—53020
Smithgall, D.H. *see* Miller, T.J. 4—52634
Smithrick, J.J. Cycle life test and failure model of nickel-hydrogen cells 4—40408
Smithson, D. Successful surface preparation of PCBs 4—46692
Smithson, S.B. *see* Kubichek, R.F. 4—60267
Smits, J.G., Tilmans, H.A.C., Hoen, K., Mulder, H., Van Vuuren, J., Boom, G. Resonant diaphragm pressure measurement system with ZnO on Si excitation 4—48833
Smits, J.W., Luitjens, S.B., Geuskens, R.W., J. Comparison of surface and volume coercive field of sputtered CoCr thin films 4—30949
Smits, K. *see* Yang, K. 4—58339
Smiyan, B.I., Tregub, D.P., Elenkrig, B.B. Self-modulation in injection lasers associated with external optical feedback 4—59546
Smogyi, G., Toth-Szilagyi, M., Varga, Zs., Monnin, M., Lferde, M. Development of the dyed-track method for Kodak CN-85 detectors 4—55869
Smolinski, J.G. *see* Finnes, S.J. 4—42103
Smolinski, W.J. *see* Jeyasurya, B. 4—45161
Smolinsky, G. *see* Reichmanis, E. 4—58832
Smolka, G.J. Synthesis of switched-capacitor filters simulating canonical reactance sections 4—29999
Smolka, G.J. Switched-capacitor bandpass filter based on simulation of canonical reactance sections 4—51417
Smolka, J. *see* Eisenhart, D. 4—45580
Smolka, J. *see* Majek, S. 4—49025
Smolleck, H.A. *see* Baca, A.M. 4—49941
Smolleck, H.A. *see* Ewy, K.A. 4—34221
Smolyak, A.I. *see* Akhmerov, N.A. 4—49959
Smolyak, A.M. *see* Akhmadzhanov, A. 4—58264
Smoot, L.S., Rodwell, M.J.W. Optical receivers at 12 and 45 Mbit/sec with automatic gain control 4—54797
Smoot, S. Designing built-in test for microprocessors 4—46513
Smotherman, M. *see* Geist, R. 4—40892
Smovzh, A.K. *see* Kul'chitskii, V.L. 4—31223
Smrcek, K., Marholova, O. Sodium-sulphur accumulators 4—57316
Smulders, P.J. Specifications of sample and hold circuits 4—41512
Smulders, P.J. Switching analogue signals 4—51479
Smurzynski, J. *see* Letowski, T. 4—44929
Smutek, M. *see* Wang, F.A. 4—35857
Smyczek, J., Ossowski, M. Calculation of the rise time and response time of dynamic circuits [operational amplifiers] 4—58184
Smyk, E.B., Chow, L.S.H., Klinger, J.G., Staffon, J.D., Johnson, T.R. Deposition of seed and slag in MHD steam plants 4—40181
Smykov, L.P. *see* Abdushukurov, D.A. 4—61700
Smykowski, J. *see* Manikowski, J. 4—57181
Smylie, D.E. *see* Tyraskis, P.A. 4—61888
Smylie, R.E., Stephens, R.R. The NASA data systems standardization program rationale and scope 4—49357
Smyth, C.J. The mean values of totally real algebraic integers 4—46182
Smyth, P.P. *see* Chidgey, P.J. 4—60842
Smythe, C.S., Spracklen, C.T. A high-speed local area network using spread-spectrum code-division-multiple-access techniques 4—43791
Smythe, R., Moore, R. Instantaneous phase measuring interferometry 4—61561
Smythe, R.C., Horton, W.H. Evaluation of crystal measurement systems 4—33141
Smythe, R.C., Howard, M.D. Current trends in crystal filters 4—30908
Smythe, R.C. *see* Horton, W.H. 4—30900
Snaddon, R.W.L. *see* Tardos, G.I. 4—55666
Snaksarev, M.I. *see* Sobolev, V.G. 4—55633
Snalam, M. *see* Watson, F. 4—32902
Snapp, K.M. *see* Ross, W.E. 4—42428
Snashall, D. *see* Kneale, B. 4—40828
Sneberger, J. *see* Danzer, J. 4—50149
Snegur, V.I. *see* Taranenko, Yu.K. 4—33256
Snel, R. A simple, inexpensive microvolumeter for the determination of the apparent density of fine, highly porous particles in a powder 4—33510
Snell, A.J., Doghmane, A., LeComber, P.G., Spear, W.E. A new vertically integrated amorphous silicon addressable image sensor 4—52785
Snell, D. *see* Beckley, P. 4—42774
Snell, E., Milner, M. A miniaturized universal interface mobility control system 4—56170
Snell, E. *see* Antezak, J. 4—56171
Snelling, D. Simple VCR servicing. II. Jammed and damaged tapes 4—38881
Snelling, M. *see* Schonfelder, V. 4—33779
Snepvangers, J.J.M. The 11th Energy Technology Conference, Washington 4—49514
Sneyers, B., Novotny, D.W., Lipo, T.A. Field weakening in buried permanent magnet AC motor drives 4—57415
Snezhko, A.G. *see* Shcherbina, Yu.V. 4—45031
Snider, C.R. *see* Heaton, J.L. 4—58536
Snider, C.R. *see* Soller, B.R. 4—47094
Sniger, P. Uninterruptible power systems exhibit increased flexibility and diversity 4—45528
Snijder, J. *see* Korma, E.J. 4—30465
Snijders, W.A.M. *see* van Gerwen, P.J. 4—54107
Snitka, G.G. *see* Vasyagin, N.I. 4—49305
Snitko, O.V. *see* Sterligov, V.A. 4—37494
Snitzer, E. Minitutorial: fiber-optic sensors 4—52622
Snitzer, E. *see* Dunphy, J.R. 4—52640
Snively, L.O. *see* O'Neill, G.K. 4—38749
Snow, A. *see* Wohltjen, H. 4—61370
Snow, E. *see* Silver, M. 4—58748
Snow, N. Cable Scotland: tale of two cities 4—44260
Snow, N. Interacting with the future [cable interactive services] 4—44261
Snow, N. UK DBS: they're queueing up to join 4—60759
Snow, N. Greenwich: old hands ready for a new era [cable TV] 4—61056
Snow, N. Cabling the community [cable TV] 4—61057
Snowden, C.M. *see* Somlo, P.I. 4—39105
Snowden, D.P., Erler, J.W. Initiation of electrical breakdown of soil by water vaporization 4—30822
Snowden, D.P. *see* Erler, J.W. 4—30821
Snukaev, A.V., Zakharov, A.A., Bogatyrchuk, V.I., Chirikalo, A.V. Instrument F4103 for measuring the earthing resistance of electrodes 4—56704
Snyder, A.J. *see* Rosenberg, G. 4—49312
Snyder, A.W. *see* Ruhl, F.F. 4—52561
Snyder, D. Off-the-shelf radiation-hardened microprocessors—breakthrough for designers 4—29888
Snyder, D. Rad-hard microprocessor gets complete peripheral family 4—35836
Snyder, D.E. *see* Jain, R.K. 4—59300
Snyder, D.L. Utilizing side information in emission tomography 4—39535
Snyder, D.L. Parameter estimation for dynamic studies in emission-tomography systems having list-mode data 4—49164
Snyder, D.L. *see* Georghiades, C.N. 4—32825
Snyder, D.L. *see* Holmes, T.J. 4—39533
Snyder, D.L. *see* Politte, D.G. 4—33814
Snyder, E. *see* Thom, G.A. 4—48772
Snyder, G.A. *see* Melan, E.H. 4—50567
Snyder, H.L. *see* Beaton, R.J. 4—53849
Snyder, J.H. Experimental hardware for real-time wideband speech coding 4—53531
Snyder, J.H. *see* Cox, R.V. 4—54476
Snyder, J.J. *see* Westling, L.A. 4—37423
Snyder, J.M. *see* Russell, P.J. 4—46303
Snyder, M.H., Wentz, W.H., Jr. Some design problems of wind turbines 4—49827
Snyder, M.H. *see* Egbert, R.I. 4—49612
Snyder, P.G. *see* Praught, M.W. 4—62900
Snyder, W.E. *see* Groves, M.H. 4—53937
Snyder, W.S. *see* Hobson, R.F. 4—30815
So, E. An improved frequency compensated capacitance bridge for accurate shunt reactor loss measurements at very low power factors 4—45489
So, E.Y. *see* Liu, S.S. 4—51299
So, S.M., Hwang, W., Meyers, P.V., Liu, C.H. Modeling of grain boundary effects on photovoltaic properties of metal-insulator thin-film polycrystalline semiconductor solar cells 4—45652
Soames, R. ATE selection by computer 4—50495
Soardo, G.P. Amorphous magnetic materials: the present situation, future prospects and research in Italy 4—57105
Soares, O.D.D., Semlali, M., Grosmann, M. Holographic multiport optical-fiber switch 4—52648
Soares, S. *see* Lyra, C. 4—62119
Sobajic, P. *see* Cvetkovic, Z. 4—62053
Sobczak, S. The method of μP-system bipolar circuits dynamic parameters testing—hardware approach 4—47118
Sobczyk, M. *see* Nitka, S. 4—45815
Sobel, H.W. *see* Jones, T.W. 4—55811
Sobelman, G.E. *see* Melstrand, O. 4—30616
Sobenin, N.P. *see* Zavadtsev, A.A. 4—39386
Sober, D.J. *see* Mogle, R.A. 4—51654
Sobhi, M., Shinaishin, M.A., Sultan, M., Nagy, M., Abushady, Y., Motwally, A. A 3-dimensional code for simulating the movement of control blades in a nuclear reactor 4—34366
Sobhy, M.I., Jastrzebski, A.K. Computer-aided design of nonlinear microwave ICs 4—58532
Sobhy, M.I. *see* Bedair, S.S. 4—41539
Sobina, L.I. *see* Doroshenko, N.A. 4—35457
Sobocinski, R. Flight test results with collision avoidance systems 4—49410
Sobol, M.L. Data communications primer for auditors 4—48228
Sobolev, A.G. *see* Belenov, E.M. 4—30471
Sobolev, N.N. *see* Dubovskii, P.E. 4—31329
Sobolev, V.A. *see* Basov, N.G. 4—37312
Sobolev, V.A. *see* Kovsh, I.B. 4—35692
Sobolev, V.G. On the mechanism of surface conductance of solid dielectrics 4—42178
Sobolev, V.G., Snaksarev, M.I. A self-contained insulation resistance and capacitance meter for electrical equipment 4—55633
Sobolev, V.N. *see* Barannikov, A.L. 4—37497
Soboleva, E.M. *see* Belenov, E.M. 4—30471
Soboleva, N.S. *see* Golosova, S.Ya. 4—32886
Sobolevskaya, L.N. *see* Alyavina, N.I. 4—50196
Sobota, J. Sensor for angular acceleration measurement 4—49021
Sobottka, S.E., Cornick, G.G., Kretsinger, R.H., Rains, R.G., Stephens, W.A., Weissman, L.J. A MWPC X-ray diffractometer facility for protein crystallography 4—33668
Soca, S. *see* Favreau, M. 4—47915
Sochacka, M. *see* Szyjer, M. 4—31519
Socher, K. *see* Wolowczyk, P. 4—57792
Sockolov, S.J. PROM corrected DAC for digital audio 4—51345
Soda, C. *see* Suzuki, T. 4—31547
Sodan, H. *see* Seidel, V. 4—39452
Sodeika, A. *see* Januskevicius, Z. 4—30388
Soderberg, D. *see* Dannetun, H.M. 4—33225
Soderholm, L.H. Interfacing small wind systems to rural power distribution systems 4—49820
Soderholm, L.H. Cogeneration interface update [wind power plant interconnection] 4—62480
Soderland, C.I. *see* Arndt, G.D. 4—38096
Soderlund, B. TV in the USA—new technology and new viewer habits 4—44210
Soderlund, B. How the Bell System was developed—the dwarf that became a giant 4—60296
Soderman, D., Chan, S. An advanced HCMOS gate array design approach 4—58294
Soderman, D.A., Mehta, Y. HCMOS gate array design approach 4—36906
Soderman, L. Custom circuits for the late 1980s 4—58222
Sodermanns, P. Speed optimised stepping motor control 4—62558
Soderstrand, M.A. A new hardware implementation of modulo adders for residue number systems 4—35929
Soderstrand, M.A., Poe, G.D. Applications of quadratic-like complex residue number system arithmetic to ultrasonics 4—60074
Soderstrand, M.A., Sinha, B. A pipelined recursive residue number system digital filter 4—46578
Soderstrom, R.L. *see* Block, T.R. 4—37373
Soeda, A., Adachi, K., Funamoto, K., Mori, H. Highly interactive visual information system for hotels 4—55022
Soeda, T. *see* Oe, S. 4—38026
Soegaard-Knudsen, H. A MOS transistor model for event-driven switch-level simulation 4—36521
Soegaard-Knudsen, M. GRANTS: a system for interactive specification of circuit schematics for logic simulation programs 4—58111

Soerensen, O.H. *see* Lomdahl, P.S. 4—42304
Soerowirdjo, B. *see* Ashburn, P. 4—47011
Soffer, B.H. *see* Efron, U. 4—42425
Soffer, B.H. *see* Sawchuk, A.A. 4—43424
Soffer, B.H. *see* Tanguay, A.R., Jr. 4—37177, 4—42424
Soffer, J. *see* Guillouard, G. 4—34988
Sofinskii, B.A. *see* Vyshemirskii, A.V. 4—55331
Sofman, L.B. *see* Pinsker, M.S. 4—43026
Sofrata, H. King Saud University stand alone solar house 4—40175
Sofrata, H. A portable solar thermoelectric generator 4—40509
Softic, F., Janic, P. Simulation and optimisation of the parameters of electronic ignition systems 4—45725
Soga, M., Yoshida, N., Honma, T., Fukai, I. Three dimensional analysis of Fabry-Perot resonator 4—58507
Soga, T. *see* Takahashi, Y. 4—50806
Sogawa, E., Nakagawa, H., Hamazaki, H., Takada, S., Okada, Y., Hayakawa, H. Direct-coupled Josephson latch for two-phase power system 4—51093
Sogawa, E. *see* Nakagawa, H. 4—52489, 4—52513
Sogawa, E. *see* Ohhigashi, H. 4—51094
Sogawa, E. *see* Okada, Y. 4—51092
Sogawa, E.-i. *see* Nakagawa, H. 4—51090, 4—51091
Sogikyan, K.O. Accelerated control of the rotor electrical asymmetry in a three-phase induction motor 4—49880
Sohal, J.S. *see* Koonar, S.S. 4—50886
Sohet, L. *see* Anders, H. 4—33740
Sohie, G.R.L., Sibul, L.H. Stochastic convergence properties of the adaptive gradient lattice 4—31967
Sohkura, K. *see* Sugimoto, T. 4—34865
Sohler, W. Nonlinear integrated optics 4—37470
Sohn, B.K. *see* Kim, C. 4—51986
Sohn, K. *see* Velinger, A. 4—34942
Sohrabi, M., Khajeian, E. Effects of alpha energy and track density on the electrochemical etching response of alpha and recoil tracks in polycarbonate 4—55878
Sohrabi, M., Shirazi, K.M. Optimization of etchants for electrochemical etching of tracks in polycarbonate neutron personnel dosimeters 4—55879
Sohraby, K., Venetsanopoulos, A.N., Molle, M.L. Performance analysis of a simple stable multiple access protocol 4—32107
Soicher, H., Klobuchar, J.A., Doherty, P.H. Spatial variability of total electron content in the eastern Mediterranean region 4—47618
Soileau, M.J., Williams, W.E., Van Stryland, E.W., Brown, S.F. The use of self-focusing in the prevention of laser-induced damage 4—42721
Soileau, M.J. *see* Van Stryland, E., W. 4—42689
Soileau, M.J. *see* Williams, W.E. 4—47511
Soinski, M. Application of the anisometric method for determining polar curves of induction, apparent core loss, and core loss in cold-rolled electrical sheets of Goss texture 4—37534
Sojat, D. *see* Strbuncelj, Z. 4—56942
Sokhina, E.I. *see* Segal', V.M. 4—59128
Sokol, G.A. *see* Gogitidze, N.Z. 4—58724
Sokol, R.J. *see* Moore, J.A. 4—29266
Sokolov, A.N. *see* Kondrashov, A.V. 4—62328
Sokolov, D.D. *see* Molchanov, S.A. 4—59707
Sokolov, D.L. *see* Bracker, W.E., Jr. 4—35159
Sokolov, E.R. *see* Dimitrov, D.A. 4—45466
Sokolov, G.A. *see* Ivanov, V.A. 4—32846
Sokolov, L.D. *see* Ital'yantsev, Yu.F. 4—35526
Sokolov, M.A. *see* Obukhovich, R.F. 4—53663
Sokolov, S.A. *see* Aleksandrov, A.F. 4—30259
Sokolov, S.E., Biktashev, Sh.Sh., Trubanov, V.A. Magnetising current of induction devices with spatially-distributed rod cores 4—45485
Sokolov, S.E. *see* Bryantsev, A.M. 4—39868
Sokolov, V.G. *see* Sul'kin, G.A. 4—33860
Sokolov, V.I., Chernyaev, V.V. Detection of manganese photoionization in $Cd_{1-x}Mn_xTe$ solid solutions 4—36296
Sokolov, Yu.N. *see* Kirillov, V.V. 4—62711
Sokolovskaya, S.S. *see* Berlyand, V.I. 4—40092
Sokolovskii, Yu.B. On the structure of phase discriminators 4—29729
Sokolowski, G. *see* Schwarz, E. 4—39902
Sokunov, B.A. *see* Krivonishchenko, I.A. 4—62584
Sol, C. *see* Fray, J.M. 4—34782
Sola Pool, I de *see* de Sola Pool, I
Solaimani, M. *see* Bolomey, J.C. 4—56096
Solana, J.M., Michell, J.A., Baracho, S. Combinational structure easily testable through the input/output relationship by reduced analysis 4—51159
Solanki, R. *see* Boyer, P.K. 4—50826
Solar, A. *see* Flores, R. 4—55900
Solbach, K. 94-GHz 4-port E-plane junction circulator 4—51520
Solbach, K. E-plane circulators aid mm-wave design 4—58499
Solberg, B. *see* Pope, S.P. 4—60553
Solberg, B. *see* Reutz, P.A. 4—51454
Solberg, L.F. *see* Bhushan, B. 4—42255
Solbrig, O., Tschigirjev, I., Korner, E. Automatic light intensity regulation in photometric methods of bloodflow and oxygen saturation monitoring in peripheral blood vessels 4—49181
Soldakova, N.A. *see* Murzin, A.G. 4—59582
Soldatov, A.N., Fedorov, V.F. Copper vapor laser with 230-kHz repetition rate 4—37303
Soldatov, A.N. *see* Loktyushin, A.A. 4—42605
Soldatov, B.T. *see* Gerasimenko, V.F. 4—41523
Soldner, K. Electrical insulating liquids for transformers—trends in development, testing and application 4—40291
Soldner, K. *see* Pfeiffer, R. 4—34706
Solganik, G.Z. *see* Aksenov, V.N. 4—39361
Solheim, R. Electrical islands in the North Sea [offshore power generation] 4—40055
Solheim, R. Living with a mix of standards offshore of Norway 4—62159
Solheim, T. Eight traces on a single trace scope 4—33215
Soliman, A.M. Two equivalent phase and magnitude compensated infinite input impedance inverting amplifiers 4—35642
Soliman, A.M. Novel active compensated weighted summer 4—35940
Soliman, A.M. *see* Ismail, M. 4—35957
Soliman, A.M. *see* Talkhan, E.A. 4—41463
Soliman, K.M., Vesely, V. Practical realization for designed suboptimal prime-mover and excitation controllers for the complex power system 4—62115
Soliman, K.M. *see* Vesely, V. 4—62114
Solimeno, S. *see* Biagini, M. 4—47384
Solimeno, S. *see* Luchini, P. 4—47385
Solle, S.D. ZX sound board 4—33024
Soller, B.R., Shuman, R.F., Ross, R.R. Application of emission spectroscopy for profile control during oxygen RIE of thick photoresist 4—51957
Soller, B.R., Snider, C.R., Shuman, R.F. A flexible multilayer resist system using low temperature plasma-deposited silicon nitride 4—47094
Sollid, J.E. *see* Warren, R.W. 4—47371
Sollman, L.C. An information-rich automatic calibration concept 4—44425
Sollner, G.H., Disque, D.R., Barta, D.J. Review of solderable magnet wire insulation 4—36964
Sollner, T.C.L.G., Goodhue, W.D., Tannenwald, P.E., Parker, C.D., Peck, D.D., Le, H.Q. Resonant tunneling through quantum wells up to 2.5 THz 4—36325
Solmi, S., Negrini, P. Effect of chlorine implantation on oxidation enhanced diffusion of phosphorus in silicon 4—51972
Solmi, S. *see* Ostoja, P. 4—34890
Soln, J. Single-mode efficiency in free-electron lasers 4—37268
Soln, J., Leavitt, R.P. A quantum model of the orotron free-electron laser 4—47394
Solnon, B. Juvisy all-relay free-lever signal box 4—50175
Solntsev, V.A., Andreyevskaya, T.M. Conditions for amplitude self-modulation in a self-excited oscillator with delay 4—29698
Solntsev, V.A., Romashin, N.L. Contribution to the problem of constructing different forms of the theory of excitation of periodic waveguides 4—47653
Solodchina, S.I. *see* Gantseva, T.I. 4—62793
Solodkov, A.F. *see* Goldobin, I.S. 4—59547
Solodukha, A.M., Zhukov, O.K. Use of impedance meters in dielectric measurements 4—33362
Solodukhov, V.V. *see* Vasil'ev, E.N. 4—41545
Sologub, V.G. *see* Barkov, A.D. 4—31629
Sologub, V.P., Troshin, B.I. Effect of an external modulation signal on a laser system 4—42543
Solokha, V.Ya. *see* Shinkarenko, G.V. 4—56707
Solomakha, M.I. *see* Kostyuk, O.M. 4—62514
Solomatin, I.I. *see* Varnavskii, O.P. 4—31363
Solomatin, V.S. *see* Aleksandrov, A.V. 4—42715
Solomon, C. *see* Strasilla, U. 4—35964
Solomon, O.M., Cadzow, J.A., Stearns, S.D. A parametric method for computing magnitude squared coherence 4—53752
Solomon, O.M. *see* Cadzow, J.A. 4—37968, 4—53360
Solomon, P.M. Epi-overlayer self-aligned MESFET 4—30637
Solomon, P.M. MESFET substrate bias controller [for logic ICs] 4—41318
Solomon, P.M., Morkoc, H. Modulation-doped GaAs/AlGaAs heterojunction field-effect transistors (MODFETs), ultrahigh-speed drive for supercomputers 4—52100
Solomon, P.M. *see* Hickmott, T.W. 4—41873
Solomonides, C.M. Switching technology 4—54509
Solomonow, M., Burke, S. Synergistic control system for paralyzed extremity joint 4—56196
Soloshchanskii, D.I. *see* Vasil'ev, A.B. 4—62430
Solosky, A.G. iNet 2000: gateway to the information marketplace 4—54415
Solov, E. An automatic antenna disconnector 4—31797
Solov, E. An automatic antenna selector for the Kenwood TS-430S 4—60641
Solovei, M.P. *see* Kurayev, A.A. 4—41781
Solov'ev, E.N. *see* Smirnov, B.V. 4—55531
Solov'ev, G.I. *see* Epifanov, A.P. 4—49877
Solov'ev, L.N. *see* Polyakov, V.E. 4—46399
Solov'ev, S.P. *see* Sumin, V.V. 4—49097
Solov'ev, V.B. Test stand for checking and tuning DC motors 4—40272
Solov'yanenko, V.V. *see* Kaidalov, A.A. 4—45780
Solov'yev, A.D. *see* Brysina, I.V. 4—57904
Solov'yev, G.N. *see* Vlasov, I.B. 4—47866
Solov'yev, V.V. *see* Ermakov, A.I. 4—32643
Solt, I. TELEDATA systems 4—60457
Solterbeck, G. High-resolution colour monitor with 37 cm picture screen for 16 and 32 kHz. I 4—39059
Solterbeck, G. High-resolution colour monitor with 37 cm screen, for 16 or 32 kHz. conclusion 4—48584
Soltis, J.J. *see* Rajendran, N. 4—60244
Soluyanov, E.I. *see* Abubakirov, E.B. 4—36218
Solyakov, A.N. *see* Belotelov, S.V. 4—36315
Solyakov, A.N. *see* Varlamov, I.V. 4—29526
Solyakov, V.N. *see* Altukhov, I.V. 4—36357
Solymar, L. *see* Refregier, P. 4—53057
Solymar, L. *see* Syms, R.R.A. 4—31510
Solymar, L. *see* Ward, A.A. 4—47529
Som, J.N. *see* Bindal, V.N. 4—44503
Som, P.K., Izbickas, V. Realistic approach to the design of turbine-generator foundations 4—49846
Soma, K. *see* Kuma, S. 4—52342
Somayajulu, Y.V., Garg, S.C., Dabas, R.S., Lakha Singh, Tyagi, T.R., Lokanadham, B., Ramakrishna, S., Navneeth, G. Multistation study of nighttime scintillations in low latitudes: evidence of control by equatorial *F* region irregularities 4—47613
Someda, C.G. Simple way to understand the behaviour of an optical *Y* junction 4—37102
Somenzi, F., Gai, S., Mezzalama, M., Prinetto, P. PART: programmable array testing based on a partitioning algorithm 4—35729
Somer, J.C. *see* Waszczuk, T. 4—56341
Someren, A.van *see* van Someren, A.
Somers, E. Another approach to videotex in South Florida 4—54262
Somers, J.M. *see* Bruenger, W.H. 4—52265
Somers, M.L., Stubbs, A.R. Sidescan sonar 4—38689
Someyama, T. On recent industrial process measuring and control systems 4—54771
Somin, M.E. *see* Mesecher, D.K. 4—31791
Somlo, P.I., Hunter, J.D., Snowden, C.M., Potters, C.M. Extended calibration aid for six-port network analysers [comment and reply] 4—39105
Somma, F. *see* Meucci, M. 4—59485
Sommer, C. Coronet—new TV satellite concept for Europe? 4—60972
Sommer, E. Insulating oils on a mineral oil basis—technological status and topical questions 4—36951
Sommer, H. Solar energy technology in the world market 4—56721
Sommerer, S. *see* Mitzel, G.E. 4—48507
Sommers, H.S. Experimental study of the lasing *P/N* junction as an electro-optical transducer 4—31386
Somogyi, A. Equivalence of the left-edge and column-by-column channel-routing algorithms 4—47078
Somogyi, G. Current problems in chemical track etching 4—55862
Somogyi, G., Hunyadi, I., Hafez, A.F., Espinosa, G. A new possibility for high-resolution spectroscopy of nuclear particles entering CR-39 at selected dip angles 4—55890
Somogyi, G., Hunyadi, I., Ilic, R., Loose, A., Varga, Z. Formation of ion-beam images in gelatine and various polymers 4—55868
Somogyi, G., Paripas, B., Varga, Z. Measurement of radon, radon daughters and thoron concentrations by multi-detector devices 4—56216
Somogyi, G. *see* Castillo, F. 4—55938
Somogyi, G. *see* Dajko, G. 4—55881
Somogyi, G. *see* Hunyadi, I. 4—55939
Somogyi, G. *see* Loose, A. 4—55941
Somogyi, G. *see* Molnar, J. 4—55907
Somogyi, G. *see* Szilagyi, S. 4—55892
Somov, A.Yu. *see* Kats, L.I. 4—36275
Somov, N.N. *see* Balega, Yu.Yu. 4—32986
Somov, S.V. *see* Davidenko, V.A. 4—55975
Somov, S.V. *see* Gushchin, E.M. 4—61714
Somuah, C.B. *see* Bose, B.K. 4—40545
Son, K. *see* Kishimoto, Z. 4—51182
Son Nguyen Vu *see* Nguyen Vu Son
Sonali *see* Srivastava, A.K. 4—57360
Soncini, G., Zignani, F. Investigation on ion implantation as a technique suitable to fabricate high efficiency silicon solar cells. Part II. Ion implanted, laser annealed cell 4—40462
Sondheim, W.E., Devries, R.M., Clover, M.R., Digiacomo, N.J., Kapustinsky, J.S., Sunier, J.W. A large angular acceptance plastic Cherenkov detector for intermediate energy physics 4—33658
Sondhi, M.M. *see* Rabiner, L.R. 4—43263, 4—53462, 4—59965
Sone, H. *see* Okano, K. 4—54203
Sone, J., Yoshida, T., Abe, H. High speed four-bit full adder with resistor coupled Josephson logic 4—35926
Sone, Y. *see* Ando, S. 4—59650

Sones, R.A., Barnes, G.T. A method to measure the MTF of digital X-ray systems 4—39551
Sones, R.A. *see* Tesic, M.M. 4—49156
Song, J.H. *see* Florence, J.M. 4—53604
Song, J.S. *see* Ushida, N. 4—56030
Song, P. *see* Rinerson, D. 4—58342
Song, T.L., Speyer, J.L. A stochastic analysis of a modified gain extended Kalman filter with applications to estimation with bearings only measurements 4—47889
Song, W., Heydt, G.T., Grady, W.M. The integration of HVDC subsystems into the harmonic power flow algorithm 4—62155
Song, W.S., Glasser, L.A. Power distribution techniques for VLSI circuits 4—42133
Song Huanggang *see* Wu Zhimei 4—54332
Song Jae-Won *see* Jae-Won Song
Song Jin-An *see* Miao Yong-Rui 4—43829
Song Kil-Yeung *see* Kil-Yeung Song
Song Ping-Shen *see* Ping-Shen Song
Song Sung Hae *see* Sung Hae Song
Song Xiuyu *see* Jiang Zhonghong 4—59673
Song-Tsuen Peng *see* Shigesawa, H. 4—31151
Song-yop Hahn *see* Hyun-kyo Jung 4—31582
Songer, L. *see* Harvell, J.T. 4—35500
Songhao Liu *see* Liu Songhao
Songhurst, D.J. Traffic overflow and the interrupted Poisson process 4—43501
Songyin Wu *see* Wu Songyin
Songyu Yu *see* Yu Songyu
Sonichev, N.A. *see* Kamnev, N.M. 4—62427
Sonin, A.S. *see* Ostrovskii, B.I. 4—48901
Sonn, D.L. *see* McDonald, C.F. 4—49688
Sonning, W. The dependence of the daily variation of the atmospherics pulse rate at 10 and 27 kHz upon meteorological conditions 4—59769
Sonning, W., Baumer, H., Eichmeier, J. Investigation of the daily variation of the pulse rates of atmospherics at 10 and 27 kHz 4—59768
Sonntag, S., Trakowski, W., Heinrich, W., Beer, J., Tittel, H.O. An automatic track analysis for large area plastic nuclear track detectors 4—55911
Sonntag, S. *see* Drechsel, H. 4—55953
Sonntag, S. *see* Trakowski, W. 4—55912
Sonoda, T., Ueda, R., Irisa, T., Takata, S. Current zero point detection in noncirculating cycloconverter based on dynamic characteristics of thyristor-diode series circuit 4—49974
Sonoda, T. *see* Ijima, K. 4—45132
Sonoda, T. *see* Irisa, T. 4—57042, 4—57091
Sonoda, T. *see* Kajikawa, Y. 4—51822
Sonoda, T. *see* Ueda, R. 4—50137
Sonsky, M., Trepera, R., John, V., Nevesely, M. Acoustic surface wave filters 4—58438
Sonta, S., Zejdel, A. Automation of tests on the national telephone trunk network circuits (ABA system) 4—43647
Sontakke, T.R. Technical education through distance learning 4—45846
Sonu, C.J. *see* Grove, R.S. 4—56323
Sonzogni, M. *see* Bellini, S. 4—31855, 4—37821
Soo, D.C. *see* Ko, P.K. 4—36885
Soo Chang Ik *see* Ik Soo Chang
Soo Chengchang *see* Huang Hungchia 4—37150
Soo Choi Jong *see* Jong Soo Choi
Soo Joong Kim *see* Sun Mi Jeon 4—50884
Soo Kim Young *see* Young Soo Kim
Soo Suk Min *see* Min Soo Suk
Sood, B.S. *see* Shatendra, K. 4—33734
Sood, R.K. *see* Sumner, T.J. 4—61691
Sood, S.C. *see* Robinson, M. 4—48740
Sood, V.K. *see* Rashid, M.H. 4—62639
SooHoo, J. A ridgeguide traveling-wave IMPATT structure for generating millimeter waves 4—46623
SooHoo, K.M., Wu, C.Y. ESD testing for data processor with multiple simultaneous discharge of probes to connected processor frame 4—31699
Soohoo, R.F. Micromagnetics of domain walls in vertical recording 4—31006
Soon Heung Chang *see* Myung Ki Kim 4—40023
Soong, D.S. *see* Flack, W.W. 4—58976
Soong, F.K., Juang, B.-H. Line spectrum pair (LSP) and speech data compression 4—53492
Soong, F.K. *see* Lienard, J.-S. 4—60073
Soos, L. *see* Nagy, L. 4—49970
Sopel', M.F. *see* Rogoza, V.V. 4—45179
Sopena, E.Puron *see* Puron Sopena, E.
Soper, A.K. *see* Brugger, R.M. 4—39486
Sopinskii, N.V. *see* Kostyshin, M.T. 4—53100
Soplyachenko, V.N. *see* Lopukhov, S.N. 4—58096
Sopori, B.L. A new defect etch for polycrystalline silicon 4—41996
Sopori, B.L., Pryor, R.A. Towards high efficiency polycrystalline silicon solar cells 4—50102
Sop'yanik, V.Kh., Tishechkin, A.A. Improving the reliability and sensitivity of differential protection of electric motors 4—39944
Sop'yanik, V.Kh. *see* Senyagin, Yu.V. 4—40306
Sora, C., Dobre, S., Vetres, I., Radu, D. The use of the finite element method for domains with boundary conditions specific to the presence of galvanomagnetic effects 4—59700
Sorace, R. Cutoff rates for a noisy multiple access channel 4—32110
Soras, K.F., Makios, V. Viable stand-alone photovoltaic systems applied to the Greek environment 4—34931
Sorbello, F. *see* Gartner, H.M. 4—42144
Sorber, B. Metrological determination of joint forces on coupling drives 4—57393
Sorber, J. Determination of path-time-characteristics with discretely structurized sensor line 4—44439
Soref, R.A. Optical readout of resonant quartz sensors 4—30886
Sorensen, A.A. Establishing an energy-rich environment for a space station 4—39675
Sorensen, B. Modern ultrasonic probes in medical diagnosis 4—61764
Sorensen, D.C. *see* Coleman, T.F. 4—46151
Sorger, G., Marion, A. Interference measurements by selective receiver or spectrum analyser? 4—39124
Sorger, G. *see* Engeman, J. 4—55333
Soria, F. *see* Alonso, M. 4—51998
Sorin, L.N. *see* Shcherbakov, V.G. 4—34683
Sorin, S. Some results on the existence of Nash equilibria for non-zero sum games with incomplete information 4—29336
Sorin, W.V., Youngquist, R.C., Cutler, C.C., Shaw, H.J. Single-mode-fiber saturable absorber 4—53077
Sorkin, A., Buchanan, C.J. Measurements of cryptographic capability protection algorithms 4—54349
Sorkin, A.M. *see* Averin, A.P. 4—42549
Sorler, E. Todays 'telematic utility' Teletel videotex 4—38259
Sorme, K., Jonsson, I. Meeting the ISDN challenge with AXE 10 4—32614
Sornmo, L. *see* Pahlm, O. 4—44756
Sorochenko, R.L. *see* Gusev, V.A. 4—60949
Soroka, A.M. *see* Averin, A.P. 4—42549, 4—59390, 4—59451
Soroka, E.Z., Yulish, A.N. Investigation of the methods for improving interlaced TV reproduction 4—32931
Sorokin, L.M. *see* Zemskov, V.S. 4—29441
Sorokin, N.F. *see* Ermolov, I.N. 4—62020
Sorokin, P.P. Contributions of IBM toward the development of laser sources—1960 to the present 4—52850
Sorokin, S.B. *see* Zelenovskii, Yu.E. 4—32478
Sorokin, V.E. *see* Sverdlov, A.M. 4—32483
Sorokin, V.G. *see* Rubichev, N.A. 4—55299
Sorokin, V.S. *see* Kuznetsov, V.V. 4—46228
Sorokoletov, O.N. Design of macromodels of correction links of pulse generators 4—51043
Sorrentino, R., Leuzzi, G., Silbermann, A. Characteristics of metal-insulator-semiconductor coplanar waveguides for monolithic microwave circuits 4—41537
Sorrentino, R. *see* Giannini, F. 4—29997
Sorvirog, S.V. Recorder for high-speed processes based on a 'Saturn 505 video' video recorder 4—61444
Sos, V.T. *see* Lovasz, L. *(editor)* 4—40701
Sosdian, C.P., Tucker, A. Practical application of space segment efficiency gains using demand-assigned TDMA: a network modelling approach 4—32112
Sosedov, V.N., Bobrov, V.T. Status and prospects in development of ultrasonic instruments for nondestructive control 4—44933
Soshchin, N.P. *see* Karpenko, V.A. 4—61741
Soshnikova, N.V. *see* Kuznetsov, V.D. 4—31783
Sosin, B.M. RF power amplifiers under multifrequency operation 4—38452
Sosin, Z., Kozik, T., Micek, S., Grotowski, K. Range sensitive telescope detector 4—61690
Soskin, M.S. *see* Anokhov, S.P. 4—42674
Soskin, M.S. *see* Krenert, Yu. 4—42598
Sosnin, V.S. *see* Bogdanov, V.G. 4—57131
Sosnina, N.S. *see* Sarkisova, A.G. 4—33129, 4—61175
Sosnovets, E.N. *see* Belousova, T.Ya. 4—49072
Sosnovskii, S.A. *see* Adlivankin, A.S. 4—42661
Sosnowski, J. On the coupling current losses in a multifilamentary superconducting composite 4—37048
Sosnowski, J. Losses in multifilament superconducting wire at increasing transport current and magnetic field 4—47224
Sosnowski, M. *see* Bouazzi, A. 4—40440
Sosnowski, T.P., Hsing, T.R. Toward the conveyance of deaf sign language over public telephone networks 4—54134
Sothcott, P., Usher, E.S. Wideband local cable networks 4—55017
Sotin, V.E. *see* Datta Gupta Subhasish 4—53248
Sotin, V.E. *see* Voloshchenko, Yu.I. 4—53249
Sotnikov, A.D. The design of digital filters based on microprocessors using 'distributed arithmetic' 4—30027
Soto, L. *see* Venkatesan, T. 4—53076
Sottas, G. Rational Runge-Kutta methods are not suitable for stiff systems of ODEs* 4—29420
Sottini, S. *see* Russo, V. 4—47245
Soubari, E.H., Grosmann, M., Meyrueis, P. A method of image processing through computer made hologram and some applications 4—60163
Souda, H., Tanaka, T., Kishi, S. Fiber-optic passive devices using a single rod lens 4—32809
Soulat, G. *see* Jakel, E. 4—44884
Soule, D.F., Oguri, M., Soule, J.D. Ocean disposal and potential for enhancement in managing seafood processing wastes 4—61993
Soule, H.V. *see* Jacobowitz, H 4—56291
Soule, J.D. *see* Soule, D.F. 4—61993
Souma, H. *see* Tashiro, H. 4—37294
Soumagne, J., Adoul, J.-P., Morissette, S. A new concept for encoding speech amplitude time quantization 4—53527
Soumekh, M., Kaveh, M. Image reconstruction from frequency domain data on arbitrary contours 4—53922
Soundararajan, M. *see* Ghosh, P.C. 4—55970
Soures, J.M. *see* Yaakobi, B. 4—46905
Sousa, P.T.de *see* de Sousa, P.T.
Sousselier, J. Costs and prospects—a service bureau view [viewdata] 4—48126
Soustelle, M. *see* Lalauze, R. 4—51789
Soustin, B.P. *see* Ivanchura, V.I. 4—34815
Souter, J.W. *see* Whitlaw, K.J. 4—41647
South, C.R., Lewis, A.V. Extension facilities and performance of an LSI adaptive filter 4—51455
South, H.M. *see* Ashcraft, W.D. 4—55356
Southard, J.R., Domic, A., Crouch, K.W. Report on the Lincoln Boolean Synthesizer (LBS) 4—36784
Southwell, W.H. Use of gradient index for spectral filters 4—52749
Southwick, R. Diagnostic EMI testing 4—59788
Southwick, T. America's DBS start 4—48426
Southwick, T. DBS in America 4—60756
Southwood, W.A. *see* Spratt, R.G. 4—32684
Southworth, S.H. *see* Parr, A.C. 4—55993
Souverain, J. Percages et alesages d'un tube en materiau composite Kevlar-epoxy (Drilling and boring a tube of Kevlar-epoxy composite material) 4—47152
Souza, P.V.de *see* de Souza, P.V.
Souza, V.C.M.De *see* De Souza, V.C.M.
Souza Leao, J., Gouyon, J.P., Babary, J.P. Numerical simulation of the control of the space-time thermal profile in an epitaxial reactor 4—29501
Souza Leao, J.Lopes de *see* Lopes de Souza Leao, J.
Souze, M.M.Campello de *see* Campello de Souze, M.M.
Souze, R.M.Campello de *see* Campello de Souze, R.M.
Sova, J. The influence of the peak load operation on the service life of the thick wall parts of boilers 4—45272
Sova, J., Kuchta, K. Pulse converters of CKD Elektrotechnika for supplying of auxiliary equipment of electrical locomotives 4—57447
Sovalov, S.A., Barinov, V.A. On the problem of mathematical models of electric power systems for analysis of static stability 4—34146
Sovalov, S.A. *see* Barinov, V.A. 4—39845, 4—44986
Sovalov, S.A. *see* Komarov, A.N. 4—34049
Sovero, E.A., Hill, W.A., Sahai, R., Higgins, J.A., Pittman, S., Martin, E.H., Pierson, R.L., Jr. Transversal filter application of a high speed gallium arsenide CCD 4—30013
Sovero, E.A. *see* Ng, W. 4—52961
Sovetov, B.Ya. *see* Ionev, S.S. 4—48179
Sowa, J., Gronostaj, R. Telephone network expansion as village infrastructure element determining agriculture development 4—54127
Sowers, J. *see* Moore, G.W. 4—58622
Sowter, B.R. *see* Beeteson, J.S. 4—33159
Soyk, K.-H. Electrical drive systems on vessels of the Federal Navy 4—40543
Sozinov, A.V. *see* Vol'pov, K.D. 4—40305
Sozinov, V.A. *see* Aivazyan, Yu.M. 4—42513
Sozinov, V.N. *see* Kravchenko, A.F. 4—37198
Sozzi, D. Application of generator breakers 4—45542
Spaanenburg, L., Duin, P.B., van der Poel, A.A., Woudsma, R. One-chip microcomputer design based on isochronity and selftesting 4—29932
Spaanenburg, L., Kleissen, G.J., van der Veen, H. Direct implementation of state diagram specifications [CMOS cell family] 4—51186
Spada, G. *see* Charalambous, P.M. 4—39424
Spain, E.H. *see* Pepper, R.L. 4—48616
Spain, E.J. Information technology—the challenges to professionals 4—29153
Spain, J. *see* Mitchelmore, R. 4—61036
Spal, R. Collimation of X-rays with cylindrically bent, asymmetrically cut crystals 4—56059
Spal, R., Dobbyn, R.C., Burdette, H.E., Long, G.G., Boettinger, W.J., Kuriyama, M. NBS materials science beamlines at NSLS 4—56058
Spall, E.J. Government applications of a small VLSI facility 4—47116
Spalla, P. *see* Stefanutti, L. 4—61915
Spallek, R. *see* Elschner, H. 4—30643
Spamer, E. *see* Grundey, T. 4—55787
Spandre, G. *see* Coppini, G. 4—44718
Spang, S. *see* Felch, K. 4—36198
Spang, S. *see* Jory, H. 4—36188
Spangenberg, H.-J. *see* Lachmann, J. 4—39350
Spangler, D. Pumps prove versatile as hydraulic turbines 4—62440

Spangler, G.E., Campbell, D.N., Vora, K.N., Carrico, J.P. Developments in ion mobility spectrometry 4—50451
Spangler, S. *see* Jordan, B. 4—43248
Spann, M.L., Pratap, S.B., Gully, J.H., Weldon, W.F., Woodson, H.H. Fabrication of a compact storage inductor for railguns 4—42779
Spanner, K., Marth, H. Advances in submicron positioning [piezoelectric translator] 4—30885
Spano, G. *see* Delunas, A. 4—42474
Spano, P., Piazzolla, S., Tamburrini, M. Theory of noise in semiconductor lasers in the presence of optical feedback 4—42640
Spanos, C.J., Director, S.W. PROMETHEUS: a program for VLSI process parameter extraction 4—36783
Spanyol, J.L. *see* Bolton, B. 4—35163
Sparks, C.J., Jr. *see* Ice, G.E. 4—56048
Sparks, L., Sumner, G. Micros in control—online weather data acquisition using a BBC microcomputer 4—61925
Sparks, L.E. *see* Puille, W. 4—53175
Sparks, W. Satellites, the telegraph, and the pony express 4—43529
Spasov, A.Ya. *see* Angelov, I.M. 4—46620
Spath, H. *see* Bellomi, A. 4—34640
Spaziante, M.F. *see* Dixon, D.S. 4—59802
Spear, W.E. *see* Snell, A.J. 4—52785
Spears, D.L. Wide-bandwidth HgCdTe photodiode photomixers at 28 μm 4—39190
Specht, H.E. Application of thermography in the building trade—possibilities and limitations 4—57674
Speck, D. *see* Lutz, C. 4—41402
Specker, P. A powerful post-processing algorithm for time-domain pitch trackers 4—59983
Speckmann, C. Melting of non-ferrous metals in electric crucible furnaces 4—57554
Specter, L.J. *see* Muir, R.W. 4—59003
Speeney, D.V. *see* Orlowsky, K.J. 4—36881
Spegel, M., Dacar, F., Gams, M., Lasic, M., Levstek, D., Martinec, M., Reinhardt, P., Reinhardt, R. A system for printed circuit board design 4—46673
Speh, R. *see* Heid, W. 4—34214
Spehn, R.W. *see* Huang, M.P. 4—41293
Speidel, M.O. *see* Bertilsson, J.E. 4—62381
Speidel, R., Behringer, U., Brauchle, P., Franz, W. Electron field emission from glassy carbon 4—30245
Speidell, J.L. *see* Harper, J.M.E. 4—33493
Speidell, J.L. *see* Smith, D.P.E. 4—58880
Speilberger, R.K., Huang, C.D., Nunne, W.H., Mones, A.H., Fet, D.L., Hampton, F.L. Silicon-on-silicon packaging 4—58649
Speiser, J.M., Whitehouse, H.J. Multidimensional hybrid signal processing architectures 4—43421
Speiser, J.M., Whitehouse, H.J. A review of signal processing with systolic arrays 4—53582
Speliotis, D.E. The promise of new particulate media for high density recording 4—30996
Spellman, M. *see* Hogan, W. 4—38672
Speliman, M.I. ECM and satellite communication network control 4—48434
Spellmeyer, B. *see* Busse, W. 4—33562
Spelta, C. *see* Gambino, G. 4—29202
Spence, A. *see* Jepson, A. 4—50719
Spence, J.E. *see* McCrady, D.D. 4—31964
Spence, R. Tolerance analysis and design of electronic circuits 4—46282
Spence, W.B. *see* Hyland, M.J. 4—35106
Spencer, A.C. *see* Grunwald, J.J. 4—58953
Spencer, B. Applications for sintered metal magnets 4—47198
Spencer, J. *see* Beck, J. 4—50700
Spencer, J.E. Management of $AlCl_3$ in plasma etching aluminum and its alloys 4—42001
Spencer, J.L. State-of-the-art survey of multimode fiber optic wavelength division multiplexing 4—44074
Spencer, M. Frequency inverter scrambles voice 4—47792
Spencer, M.E., Tavares, S.E. A layered broadcast cryptographic system 4—53435
Spencer, M.G. *see* Griffin, J.A. 4—51943
Spencer, R.J. The 3M Digital Mastering System 4—33059
Spengler, J. *see* Ozkaynak, H. 4—34256
Spenser, K., Raines, F. High level industrial command language simplifies control communications 4—48203
Spera, D.A. *see* Neustadter, H.E. 4—34534
Speranskii, S.K. *see* Luk'yanenko, E.A. 4—50859
Speriosu, V.S., Nicolet, M.-A., Picraux, S.T., Biefeld, R.M. Depth of perpendicular and parallel strain in a $GaAs_xP_{1-x}/GaP$ superlattice 4—51812
Speth, A. *see* Jones, F. 4—42107
Spethmann, D. Dust and noise—conquered 4—50240
Speyer, J.L. *see* Hull, D.G. 4—49363
Speyer, J.L. *see* Song, T.L. 4—47889
Spezio, A.E. *see* Alexander, E.M. 4—43415
Sphicopoulos, T., Bernier, L.-G., Gardiol, F. Theory of coupled modes in a cylindrical cavity of arbitrary cross-section 4—30076
Spicer, W.E. *see* Babalola, I.A. 4—51876
Spicer, W.E. *see* Eglash, S.J. 4—36336
Spicer, W.E. *see* Kendelewicz, T. 4—41887
Spicer, W.E. *see* Shenai, K. 4—58797
Spicer, W.E. *see* Williams, M.D. 4—58799
Spickelmier, R.L., Newton, A.R. WOMBAT: a new netlist comparison program 4—36780
Spiegl, J. *see* Liese, M. 4—56930
Spieker, P., Ando, M., Kamiya, N. A monolithic X-ray monochromator with fixed exit beam position 4—56060
Spielberg, A.C. *see* Dash, S. 4—42099
Spielberg, A.C. *see* Mohler, R.L. 4—36490
Spielvogel, J.A., Hieble, E. Advanced message processing and distribution system for news media [NEWSWIRE 2000] 4—54157
Spierings, G.A.C.M. Influence of As_2O_3 on the optical properties of ultrapure multicomponent silicate glasses and optical fibers 4—31092
Spiers, R.J. *see* Chinn, S.R. 4—42641
Spies, G. *see* Bohmann, J. 4—45706
Spies, G. *see* Meyr, H. 4—31965
Spiess, L. *see* Tippmann, H. 4—36730
Spiessbach, A.J. *see* Forman, A.V., Jr. 4—53826
Spiessbach, A.J. *see* Gilmore, J.F. 4—53841
Spiezia, P. *see* Tommasino, L. 4—55926
Spiller, E. *see* Vladimirsky, Y. 4—53091
Spillman, R., Glaser, N., Peterson, D. Development of a general testability figure-of-merit 4—36755
Spillmann, H., Zobel, M. The central network command centre of the HEAG 4—34166
Spindler, J. *see* Schwarz, E. 4—55124
Spindler, K. *see* Bursik, A. 4—34374
Spindler, K. *see* Tsatsaronis, G. 4—49745
Spindler, W.C. *see* Perone, S.P. 4—45591
Spinedi, C. *see* Ceppi, P. 4—34514
Spinelli, C. *see* Puntaloro, R. 4—38172
Spinhirne, J.M. *see* Oughstun, K.E. 4—37394
Spinks, J.A., Dow, R., Leung Wai Chiu A microcomputer package for real-time skin conductance response analysis 4—33835
Spinolo, E. *see* Benso, S. 4—33641
Spinolo, E. *see* Darbo, G. 4—55983
Spirakis, P.G. *see* Reif, J.H. 4—43730
Spiralski, L., Lal, J. Measurements of very low values of nonlinear distortion factor with noise elimination 4—39303
Spiralski, L. *see* Hasse, L. 4—51004
Spiridonov, V.K. *see* Molokanov, M.V. 4—56708
Spirin, A.A. *see* Andreeva, N.F. 4—35633
Spirin, A.Yu., Burlakov, M.V. Dispatching of message flows in virtual-connection networks 4—43480
Spirn, J.R., Chien, J., Hawe, W. Bursty traffic local network modeling 4—38289
Spiro, I.J. Parametric studies of space infrared sensors 4—55233
Spiro, I.J. *see* Cross, E.F. 4—55230
Spiro, I.J. *see* Ling, C.C. 4—49330
Spirov, S.I., Bobev, Z.I., Georgiev, G.I., Bobev, S.I. ISOT 1012C system for automated generation of test programmes for digital printed circuit boards 4—30169
Spitz, E. *see* Ostrowsky, D.B. *(editor)* 4—29142
Spitzer, C.R. The all-electric aircraft: a systems view and proposed NASA research programs 4—49381
Spitzer, H. *see* Ahme, J. 4—39470
Spitzer, M.B., Sanfacon, M.M., Wolfson, R.G. Ion implanted junctions for silicon space solar cells 4—34934
Spitzer, M.B., Tobin, S.P., Keavney, C.J. High-efficiency ion-implanted silicon solar cells 4—45629
Spitzer, M.B. *see* Ho, C.T. 4—34893
Spitzer, M.B. *see* Keavney, C.J. 4—57353
Spitzer, W.G. *see* Fredrickson, J.E. 4—41827
Spitzer, W.G. *see* Hubler, G.K. 4—41970
Spiwak, R.R. *see* Avanessians, A.A. 4—54499
Spizzichino, A. *see* Charalambous, P.M. 4—39424
Spizzichino, F. *see* Runggaldier, W.J. 4—46164
Spoelstra, T.A.T., Kelder, H. Effects produced by the ionosphere on radio interferometry 4—47620
Spoelstra, T.A.Th. Correcting radio astrometry interferometry observations for ionospheric refraction 4—32890
Spoerri, B. Computerized music for a small budget 4—38905
Spoerri, B. Computers and music 4—44317
Spohn, J.P. Intelligent terminals for the needs of the medium-sized firm [Btx] 4—54276
Spohr, R. *see* Fischer, B.E. 4—30217
Spolaore, P., Larson, J.D., Signorini, C. A wide-acceptance recoil mass spectrometer for the LNL XTU tandem accelerator 4—49101
Spolaore, P. *see* Signorini, C. 4—33563
Spong, F.W. *see* Revay, R.E. 4—42320
Sponsler, M.J. Universal input relay driver 4—51491
Spooner, F.H. *see* Heaton, J.L. 4—58536
Spoonhower, J.P. *see* Hamer, C.A. 4—42575
Spoor, S., Latimer, I.D. An accurate determination of the radial distribution of gain at 633 nm in small bore helium-neon discharges 4—52907
Sporck, F., Rideout, V., Piro, R., Tom, S. A CMOS masterslice chip with versatile design features 4—58282
Sporleder, F. *see* Dingeldey, R. 4—48475
Sposini, M. *see* Fioretto, G. 4—32597
Spotkai, G.V. *see* Brainin, E.I. 4—34586
Spotz, M.S. *see* Bhagavatula, V.A. 4—37128, 4—52610
Spowart, A.R. Design of neutron detectors utilising luminescent glass 4—33700
Spracklen, C.T. *see* Smythe, C.S. 4—43791
Spragins, J., Maneshi, R. An experimental and applied science approach to developing analytical performance models for complex systems 4—32456
Sprague, R.A., Turner, W.D., Hecht, D.L., Johnson, R.V. Laser printing with the linear TIR spatial light modulator 4—31527
Sprague, R.A. *see* Flores, L.N. 4—42411
Sprague, R.A. *see* Kowalski, D.C. 4—52721
Sprangel, P. *see* Kapetanakos, C.A. 4—39385
Sprangle, P., Coffey, T. New sources of high-power coherent radiation 4—31273
Sprangle, P. *see* Freund, H.P. 4—31280
Sprangle, P. *see* Tang, C.-M. 4—31283, 4—47364
Spratt, D., Torreno, M. Bipolar process vies with C-MOS in density and performance 4—30747
Spratt, E.B. Concatenated rings in general research teaching and administration 4—43827
Spratt, E.B. Ring developments at the University of Kent 4—54440
Spratt, E.B. *see* Dallas, I.N. *(editor)* 4—50327
Spratt, J. *see* Merker, M. 4—36796
Spratt, R.G., Southwood, W.A. Telephones for a rural people—Vanuatu 4—32684
Spreafico, R. The design of antenna installations 4—38846
Spreen, J.H. Coupled capacitor filter for reduced voltage ripple on multiple output switched mode power supplies 4—58448
Sprenger, S. *see* Gronau, M. 4—30950
Springer, D.R. *see* Licina, G.J. 4—34418
Springer, R.M. Video slide printer/projector with pointer capability 4—39075
Springer, S. *see* Tessmer, R. 4—57389
Sprokel, G.J. Determination of magnetooptical constants from multilayer film structures 4—52723
Sproston, J.L. *see* Stevens, N.G. 4—53174
Sproston, M. *see* Barnes, R.G.L. 4—33697
Sproul, R. Ubiquitous UART speeds digital-RF interfacing 4—35891
Sproul, R. Decode the numbers game before tackling digital RF 4—59897
Sproul, R.W. IEEE-488 versatility keeps networks in check 4—44396
Sprow, R.B. *see* Gartside, C.H., III 4—52654
Spruijt, A.M.J. *see* Hoogeveen, L.P.J. 4—52524
Spuller, J. *see* Bryman, D. 4—33632
Spur, G., Duelen, G., Porschke, H. Application of inductive distance sensors to MIG welding 4—55437
Spurgin, J.E. *see* McCasland, H.L. 4—54475
Spurling, K. *see* Beech, J.C. 4—33598
Spurny, F. Response of polymer solid state nuclear track detectors to high energy charged particles 4—55891
Spyrou, N.M. *see* Sanders, J.M. 4—39527
Squires, R. *see* Chiu, M.-Y. 4—43460
Squires, R.G. *see* Mosby, J.F. 4—35207
Squires, R.H., Allebach, J.P. Digital holograms: a guide to reducing quantization and phase encoding errors 4—59617
Srb, N. *see* Polak, J. 4—40201, 4—47151
Sreekantan, B.V. *see* Krishnasawamy, M.R. 4—33735
Sreenath, R.N., Chandra, M.M., Suryan, G. Etch-induced MOS guard-ring-protected Schottky-barrier diodes 4—30590
Sreenivas, T.V. Simulation of a programmable signal processor 4—48814
Sreenivasan, K. *see* Sherman, R.H. 4—54402
Sresty, G. *see* Bridges, J.E. 4—40599
Sri-Jayantha, M., Hayhoe, G.F., Henry, J.J. SCR-controlled DC-motor model for an electric vehicle propulsion system simulation 4—40544
Sridhar, M.R. *see* Kumaresan, R. 4—38000
Sridhara Rao, G. *see* Mouly, V.S.R.K. 4—34643
Sridharan, R. *see* Das, S.R. 4—55364
Sridharan, S., Williamson, D. Comments on 'Suppression of limit cylces in digital filters designed with one magnitude-truncation quantizer' by T.L. Chang 4—30024
Sridharmurthy, S.L. *see* Srivatsa, K. 4—33347
Srikanta Kumar, P.R. *see* Merakos, L. 4—38121
Srikantiah, R.V., Shetty, H.J. Low temperature performance of silicon surface barrier detectors 4—33731
Srikrishnan, K.V. *see* Herdzik, R.J. 4—36093
Srinath, M.D. *see* McWilliams, J.K. 4—32843
Srinath, N.V., Chaturvedi, G.K., Dhage, S.D. Modified distribution free CFAR processor for clutter edges and multi-target situations 4—60888
Srinivasan, C.R. Method plots mainlobe footprints of geostationary satellite fan-beam antennas 4—42933
Srinivasan, G.R. *see* Silvestri, V.J. 4—46224
Srinivasan, J. Motorising bicycles 4—62747
Srinivasan, M. *see* Siskind, E.J. 4—33810
Srinivasan, M.R. Pyroelectric materials 4—59048
Srinivasan, N., Prakasa Rao, K.S., Indulkar, C.S. Some new algorithms for state estimation in power systems 4—45059

Srinivasan, R., Rao, K.R. CMT and hybrid coding of the component color TV signal 4—60026
Srinivasan, R., Rao, K.R. CMT and hybrid coding of the component color TV signal 4—60233
Srinivasan, R. *see* Klein, D.L. 4—30222
Srinivasan, R. *see* Raveendra, K.R. 4—43345
Srinivasan, R. *see* Venkatraman, S. 4—38018
Srinivasan, T., Swanson, D.C., Symons, F.W. ARMA model order/data length tradeoff for specified frequency resolution 4—60117
Srinivasan, V. *see* Walker, G. 4—40126, 4—49720
Sriram, K., Varshney, P.K., Shanthikumar, J.G. Discrete-time analysis of integrated voice/data multiplexers with and without speech activity detectors 4—32085
Srirangan, T.V., Rawal, M.L., Narayanan, K. INSAT—the Indian National Satellite system. A case study 4—60801
Srisailam, M.C. *see* Sivaramakrishnan, A.Y. 4—62076
Srisailam, M.C. *see* Thangasamy, S. 4—34287
Sritharan, S., Jones, K.A. MOCVD growth of ZnSe films using diethylselenide 4—29533
Srivastava, A.K., Sonali, Arora, B.M., Guha, S. Current-voltage characteristics of GaAs metal-insulator-semiconductor solar cells under illumination 4—57360
Srivastava, G.P. *see* Bhatnagar, P.K. 4—40451
Srivastava, K.D. *see* Maller, V.N. 4—30837
Srivastava, N.K. Ground communication equipment (FDM/FM type) 4—38544
Srivastava, R., Campos, A.C., Roversi, J.A. Accurate method for characterizing single-mode fibers from far-field measurements 4—52651
Srivastava, R. *see* Brito Cruz, C.H. 4—42587
Srivastava, R.S. *see* Joshi, D.P. 4—46797, 4—51769, 4—58721
Srivastava, S.K., Orient, O.J. Polar dissociation as a source of negative ions 4—44669
Srivastava, V.K. Mean time to failure of a redundant maintained system 4—29307
Srivatsa, K., Partha, R., Sridharmurthy, S.L. Frequency response analyser 4—33347
Srobar, F. *see* Novotny, J. 4—30328, 4—42620
St-Onge, H. *see* Pelissou, S. 4—59060
Staa, P.van *see* van Staa, P.
Staab, E.V. *see* Austin, J.D. 4—61782
Staak, A.P., Reineck, K.M. Active equivalent circuits incorporating controlled sources 4—41484
Staals, R. Signature analysis 4—41275
Staats, G.E. *see* Sherick, J.M. 4—40486
Stabler, E.P. *see* Pitchumani, V. 4—51181
Stabrowski, M. *see* Kwiatkowski, W. 4—31049
Stabrowski, M.M. Block split and merge algorithm for the solution of dense linear equation systems 4—29411
Stacey, D.N. *see* Foot, C.J. 4—47510
Stach, J. *see* Das, M.B. 4—30541
Stach, M.F. *see* Mayr, W. 4—29919
Stacy, H.L. *see* Seitz, W.L. 4—61247
Stacy, W.T. *see* Morgan, A.E. 4—51867
Stadelmaier, H.H., Elmasry, N.A., Liu, N.C., Cheng, S.F. The metallurgy of the iron-neodymium-boron permanent magnet system 4—58056
Stadler, E. Using Smith diagrams 4—44584
Stadler, E. Experiments with quadrature modulation. I 4—47727
Stadler, E. Experiments with quadrature modulation. II 4—51048
Stadler, E.E. *see* Pollman, K. 4—35922
Stadler, E.E. *see* Pollmann, K. 4—29744
Stadlin, W.O. *see* Hobson, E. 4—56513
Stadnikoff, W. The use of opto-electronic links for the transmission of electrical measurements of triggered lightning effects 4—45182
Stadtfeld, S. *see* Holtz, J. 4—57403
Stadtherr, K.O. Multifunction communication system for speech and text 4—38245
Staelin, D.H. *see* Hinman, B.L. 4—53918
Stafeev, V.I., Salaev, E.Yu., Dzhalilova, Kh.D., Kurbanova, E.I., Mamedov, T.S. Optical absorption spectra and photoconductivity of epitaxial $Pb_{1-x}Sn_xTe$:In films 4—30394
Stafeev, V.I. *see* Bovina, L.A. 4—52801
Staff, I.W. *see* Swaine, M. 4—51255
Staffeldt, H. Measurement and prediction of the timbre of sound reproduction 4—55107
Staffon, J.D. *see* Smyk, E.B. 4—40181
Stafford, R.M. The use of organizational diagnosis in planning career development activities 4—50414
Stafsudd, O.M. *see* Jansen, M. 4—31357
Stafsudd, O.M. *see* Ou, S.S. 4—30342
Staggs, D. Single design approach to commercial EMC Step-1 4—37671
Staggs, D. Unified design approach to commercial EMC steps 2 through 4 4—59785
Stagrowski, A. Small-lot production and experimental activities of the Institute of Communication 4—43580
Stahan, I. Are SF_6 switchgear assemblies pressure vessels or not? 4—62658
Stahl, A., Brunet, M. An ultrastable crystal oscillator for beacons (Program SARSAT) 4—30913
Stahl, D. Tornado ATS project completed [computer-controlled test equipment] 4—61220
Stahl, H., Frank, M. DELTA computer network, extension at the Technical University Dresden—application in research, teaching and administration 4—48245
Stahl, K.J. *see* Hall, W.C. 4—44269
Stahl, P. *see* Sarma, M.S. 4—31051
Stahl, R. *see* Elsner, G. 4—31003, 4—50774
Stahli, K., Heinzen, H., Jaccard, M. Operating equipment for attended public call offices 4—48354
Stahlmann, H.-D. Starting moment of stepped-pole motors 4—45430
Stahlmann, R. *see* Tsironis, C. 4—36046
Stahly, C.L. *see* Eskesen, J.H. 4—62405
Staiano, E.F. Cellular—an overview of the applications and implications 4—43967
Staicut, E. *see* Lazaroiu, D.F. 4—53956, 4—53957
Staiger, L. Subspaces of $GF(q)^\omega$ and convolutional codes 4—59940
Staight, J.H. Determining the partial discharge inception characteristics of capacitor impregnants 4—58572
Staikov, G. *see* Gernovo, Y. 4—40379
Stainsby, D.F., Bedford, A.J. Some diagnostic interpretations from railgun plasma profile experiments 4—42808
Stakhira, I.M. *see* Bartish, L.A. 4—30373
Stalberg, E., Chu, J., Bril, V., Nandedkar, S., Stalberg, S., Ericsson, M. Automatic analysis of the EMG interference pattern 4—33840
Stalberg, E. *see* Nandedkar, S.D. 4—33846
Stalberg, S. *see* Stalberg, E. 4—33840
Stalder, T. *see* Wardrip, C. 4—39331
Staley, R.W., Stanley, K.W. New B-staged epoxy mica paper tapes 4—36970
Stalioraitis, K.K. *see* Malyutenko, V.K. 4—59318
Stalla, L. *see* Byrd, P.F. 4—29402
Stallman, J. *see* Habekotte, E. 4—36834
Stal'makhov, V.S., Grechushkin, K.V. Effect of metallic shields on the propagation of surface magnetostatic waves in coupled ferrite plates 4—31039
Stambachr, J. Dividing joint costs of combined electric power and heat production on the basis of exergy 4—40051
Stambaugh, M.A. *see* Sacarisen, S.P. 4—51302
Stamberger, A. High performance gate turn-off thyristors for today's applications 4—30611
Stamberger, A. Advances in converter controls for variable speed drives 4—45680
Stamberger, A. Application of automotive electronics in Japan 4—57491
Stambler, I. NZE figures generating cost at under 2 cents/kWh on Maui gas 4—49786
Stambler, I. Coproduction plant fuels GCC and makes methanol 4—62361
Stambler, I. Trailblazing syngas project scheduled for June start-up 4—62362
Stambler, I. Sunlaw is starting LM2500 combined cycle project for refrigeration plants 4—62415
Stambolis, C.N.D. Photovoltaic application in Greece and market development on a short and long term basis 4—34267
Stamenkovic, T. *see* Jevtovic, M. 4—60580
Stamenov, K.V. *see* Dimov, S.S. 4—47442
Stamenov, K.V. *see* Koprinkov, I.G. 4—31292
Stamm, D.A. CAE needs and solutions for the mid 80's 4—58988
Stammely, T.E. *see* Abramson, P. 4—46335
Stammely, T.E. *see* Hong, J.H. 4—29724
Stammely, T.E. *see* Noel, F.E., Jr. 4—31196
Stamp, W.G. *see* Reger, S.I. 4—56141
Stan, G. *see* Zisu, T. 4—38687
Stan, Gh. *see* Zisu, T. 4—54904
Stan, N. *see* Danila, N. 4—34363
Stanbaug, J.S. *see* Lowrey, J.A., III 4—38736
Stancey, G.P. Noise in HF receivers 4—48408
Stanchev, I.Kh. *see* Angelov, I.M. 4—46620
Stanchev, S., Papazian, M. Stability of complex systems with asynchronously-operated generator without excitation 4—34629
Stanchev, S.B. *see* Adursky, I.S. 4—48700
Stanchina, W.E., Whelan, J.M., Chalermtiragool, K. Low temperature native oxide reduction from GaAs surfaces 4—52005
Stancil, D.D. *see* Poston, T.D. 4—30077
Stanek, E.K. *see* Slonim, M.A. 4—57213
Stanescu, E. *see* Fireteanu, V. 4—40606
Stanev, T. *see* Gaisser, T.K. 4—33736, 4—55813
Stange, H.W., Hassner, A. Results of low temperature diffusion in contact layers—Cu-Au, Cu-Pd and Cu-Ni systems 4—46660
Stanghellini, C. Protection of metallised polypropylene capacitors. Advantages and shortcomings of the various systems 4—45585
Stanic, U. *see* Malezic, M. 4—56197
Staniforth, J.A. Breakdown calculations following spark breakdown in a tandem machine 4—33566
Stankiewicz, G.J. *see* McCoy, D.F. 4—40035
Stankov, K.A. *see* Koprinkov, I.G. 4—31292
Stankovic, S.S., Dragosevic, M., Carapic, M. Estimation of frequencies of sinusoids using the extended Kalman filter 4—60146
Stankowski, B. *see* Weck, M. 4—50513
Stankunas, Y.Y. *see* Vaynoris, Z.A. 4—51713
Stanley, H.R. *see* Miller, L.S. 4—54874
Stanley, I.W., Midwinter, J.E. A review of techniques for long wavelength coherent optical fibre systems 4—32828
Stanley, K.W. *see* Staley, R.W. 4—36970
Stanley, W.D., Dougherty, G.R., Dougherty, R. Digital signal processing. Second edition 4—35126
Stannard-Powell, S.J., Fox, M., Plessner, K.W. Time dependence of OH formation in fibres exposed to H_2 4—52684
Stannard-Powell, S.J., White, C.J., Plessner, K.W., Iddin, A., Hornung, S. Hydrogen effects in installed cables and under accelerated conditions 4—54843
Stannard-Powell, S.J. *see* Plessner, K.W. 4—31105
Stanners, D. *see* Murray, C.N. 4—56000
Stannett, A.W., Jackson, R.J. Some comments on the impulse electric strength of polythene 4—59065
Stanomir, D. The variational derivation of the Brayton-Moser equations for nonlinear electrical networks. II 4—35601
Stanovova, V.A., Neduzhii, G.I., Senyushkin, B.M. Application of a simplex planning method to a study of permanent magnet properties 4—59152
Stanton, N.R. *see* Ushida, N. 4—56030
Stanton, T.K. Sonar estimates of seafloor microroughness 4—32868
Stanway, R. *see* Stevens, N.G. 4—53174
Stanyard, R. The future of DBS systems and their impact on satellite communications 4—44065
Stapf, R. *see* Reinel, K. 4—44828
Stapor, D.P., Pratt, T. A generalized analysis of dual-polarization radar measurements of rain 4—49457
Stapor, D.P. *see* Marshall, R.E. 4—49459
Star, J.L. *see* Smith, R.C. 4—61937
Starchaeva, E.E. *see* Zhimskaya, N.V. 4—55484
Starck, A. *see* Grallert, H.-J. 4—44228
Stares, C. The impact of new technology on the accessory market 4—34177
Stares, C. Plugs and sockets—the domestic market in the mid 1980s 4—51594
Starfield, A.M. *see* Smith, K.A. 4—35176
Stari, F. *see* Seidel, V. 4—39452
Staricek, I. DC SQUID—superconductive quantum magnetometer 4—31065
Starik, P.M. *see* Mikityuk, V.I. 4—36294
Starikov, E.V., Shiktorov, P.N. Negative differential conductivity of *n*-type GaAs at transit resonance frequencies 4—41843
Stark, D.E. *see* Mokkapati, C. 4—62768
Stark, G.L. *see* Stetson, L.E. 4—62103
Stark, H. *see* Levi, A. 4—60178, 4—60253
Stark, H. *see* Wu, R. 4—32010
Stark, M. A decade of a vacuum pressure impregnation 4—36946
Stark, P.A. Yaesu, Icom graft revealed VHF handie-talkies HS-10SB switch box modification 4—54620
Stark, W.E. Capacity and cutoff rate of nonselective Rician fading channels 4—38440
Stark, W.E. *see* Pursley, M.B. 4—31880
Starke, G. *see* Drews, P. 4—55441
Starker, P. *see* Eisenhuth, J. 4—34786
Starkey, D.J. *see* Jaffe, L.D. 4—34521
Starkov, M.A. Axisymmetrical oscillations of spheroidal open dielectric cavities 4—36023
Starodubtsev, Yu.N., Segal', V.M. Some features of the relationship between the magnetic characteristics of a coarse-grained anisotropic electrical engineering steel 4—59129
Starodubtsev, Yu.N. *see* Segal', V.M. 4—59128
Starosta, M. *see* Ohmori, S. 4—49186
Starostenko, V.V. The characteristics of a band loop delay system 4—41263
Starostin, N.I. *see* Bazarov, E.N. 4—42553
Starovoitova, N.P. *see* Zechikhin, V.S. 4—45408
Starr, C. *see* Edington, D. 4—58291
Starr, E.F. *see* Wang, J.Y. 4—54895, 4—60912
Starr, S.G. Semiconductor module encapsulant-dispensing technique 4—35311
Starr, W.T., Steffens, H.G. Voltage endurance of coated electrical sleeving by statistical analysis 4—30874
Starski, J.P. *see* Tripathi, V.K. 4—41557
Startseva, L.S. *see* Gerasimov, V.M. 4—33375
Starunov, B.P. *see* Gurvich, A.K. 4—58085
Starunov, V.S. *see* Zhukov, N.N. 4—42548
Starzyk, J.A., Biernacki, R.M., Bandler, J.W. Evaluation of faulty elements within linear subnetworks 4—29599
Starzyk, J.A., Sliwa, E. Upward topological analysis of large circuits using directed graph representation 4—46309
Starzynski, B. *see* Bayer, W. 4—45084
Staschus, K. *see* Sherali, H.D. 4—45366
Stasel'ko, D.I. *see* Berezinskaya, A.M. 4—53109, 4—53110
Stas'ev, V.P., Sukhov, M.Yu. Solid-state laser generating a pulse with a flat part 4—47441
Stasicki, B., Hiller, W.J., Meier, G.E.A. High frequency stroboscope using LED light source 4—48963
Stasiewski, H.C. *see* Abeles, B. 4—58048
Stasinski, R. *see* Paluszkiewicz, J. 4—43185
Staskiewicz, J. *see* Szypowski, C. 4—48938

Stassen, H.H., Gunter, R., Bomben, G. Multi-dimensional scaling. Obtaining metric information from non-metrical data using electroencephalograms (EEG) as an example 4—38060
Staszak, Z. *see* Nowakowski, A. 4—36803
Staszak, Z.J. *see* Wilamowski, B.M. 4—51153
Stata, R. *see* Gowen, R.J. 4—35168
Stathopoulos, D. Satellite communications in Greece—present and future 4—32735
Stathopulos, I.A. Physiological effects of the 50 Hz electric field and current to human beings 4—33886
Staton, L.D. *see* Hess, R.V. 4—56287
Statoulis, S. *see* Fleig, O. 4—62646
Statsenko, R.I. *see* Nasel'skii, S.P. 4—42607
Statsenko, V.I. *see* Evstyukhin, A.I. 4—31058
Stattel, P. *see* Foerster, C.L. 4—55785
Statuch-Chmielnik, E. An electronic three-position controller [for furnaces] 4—62821
Staub, N.C. The measurement of lung water content 4—44729
Staudenmann, J.-L., Chapman, L.D., Murphy, W.J., Liedl, G.L. Accurate wavelength determination through attenuation dips of strongly reflective crystals 4—56055
Staudenmann, J.-L., Sandholm, M., Chapman, L.D., Liedl, G.L. Versatile monochromator for synchrotron X-rays 4—56057
Staudinger, F. Legal aspects of the commissioning the Zwentendorf nuclear power plant 4—57738
Staudinger, H. *see* Lischka, K. 4—41854
Stauffer, A. *see* Piguet, C. 4—51132
Stauffer, F.R. *see* November, L.J. 4—52755
Stauffer, R.N. Flight simulation facility features robot positioning 4—61866
Staunton, H.F. *see* Chroboczek, J.A. 4—51760
Stauss, G.H. *see* Krebs, J.J. 4—59794
Stavinskii, A.A. *see* Ignatov, V.A. 4—57001
Stavrev, G.A., Gurnev, H.G., Jordanov, R.S., Lilov, A.Z., Dimitrov, L.N., Nedev, Z.K. Automatic device for checking and classifying selene cells 4—33104
Stavropoulou, M. *see* Kagarakis, C. 4—34932
Stavrov, K.G. *see* Tarbeev, Yu.V. 4—33984
Stearman, G.H. *see* Lipscombe, W.M. 4—48813
Stearns, F.S. *see* Adkins, L.R. 4—31038
Stearns, J.W. *see* Anderson, L.W. 4—61661
Stearns, J.W. *see* Wada, M. 4—61633
Stearns, R.C., Asawa, C.K., Yao, S.K. Angular division multiplexing using graded-index rod lenses 4—54825
Stearns, S.D. *see* Cadzow, J.A. 4—37968
Stearns, S.D. *see* Solomon, O.M. 4—53752
Steba, A.M. *see* Kornienko, N.E. 4—47512
Stebbins, S. *see* Wardrip, C. 4—39331
Steber, J.M. Understanding PSK demodulation techniques. I 4—59916
Steblev, Yu.I. Minimum loss conditions in skin effect theory 4—42768
Steblev, Yu.I. Design of eddy-current device with complex-shaped probing signal 4—47566
Steblin, V.I. *see* Kinber, B.E. 4—42955
Stecco, S.S., Galletti, A. Comparison criteria of total energy gas turbine power plants 4—34451
Stecco, S.S., Sarunac, N. Thermodynamic analysis of total energy gas turbines 4—34452
Stecher, K. Fault tree analysis, taking into account causes of common mode failures 4—50602
Stecher, R. *see* Dahmen, N. 4—48277
Steckelmacher, W. *see* Bacal, M. 4—61648
Steckl, A.J. *see* Liu, W.-T. 4—41924
Steckl, A.J. *see* Vogelsong, T.L. 4—58472
Steckle, A.J. *see* Chow, T.P. 4—36875
Steedman, J.B., Edelstein, A. A combined testing and analysis approach to nuclear equipment qualification 4—49684
Steele, A.C. *see* White, K.B. 4—45854
Steele, B.C.H. Ceramic materials for electrochemical energy conversion devices 4—34864
Steele, J. A sample and hold circuit without voltage losses 4—35985
Steele, R. *see* Sundberg, C.-E. 4—43974
Steele, R. *see* Xydeas, C.S. 4—32031
Steele, R.C. *see* Cooper, J.C. 4—59803
Steele, S.G. *see* Bernardelli, W.J. 4—37553
Steele, W.R. *see* Broockman, E.C. 4—31433
Steelman, J.E. *see* El-Sayed, L.M. 4—49983
Steen, A., Chen, C.H., Murdin, J., Wannberg, G. A nonlinear maximum entropy method for spectral estimation applied to incoherent scatter radar measurements: application to synthetic incoherent scatter data 4—56298
Steen, R. Stare-way to heaven at the Arecibo observatory 4—54924
Steen, W.M., Weerasinghe, V.M. Laser surface modification 4—53132
Steenaart, W. *see* Chowdary, N.U. 4—52309
Steenbergen, A.van *see* van Steenbergen, A.
Steenbergen, C. *see* Gravesteijn, D.J. 4—52531
Steenburgh, J.H. *see* Missana, A. 4—56840
Steeneken, H.J.M. Evaluation of speech production and speech recognition systems 4—37896
Steenvoorden, G.K. *see* Van Dorth, A.C. 4—33226
Steeples, K. Dose control with high power ion beams on photoresist masked targets 4—36430
Steer, R.W. Amplifier and circuit compensation methods for the extension of useful bandwidth in Sallen-Key and state-variable filters 4—35960
Steeves, J.G. Implementing robotics education—The Department Chairmans challenge 4—35203
Steeves, T. *see* Lee, G. 4—29823
Stefanakos, E.K., Collis, W.J., Chilukuri, S.B. Testing of concentrator solar cells under high temperature and humidity conditions 4—34915
Stefanenko, I.S. *see* Gorbunova, K.N. 4—41108
Stefanescu, V. *see* Gheorghe, O. 4—39910
Stefani, R. *see* Eloy, J.F. 4—61732
Stefanini, A. *see* Amendolia, S.R. 4—49068
Stefanini, A. *see* Clapis, A. 4—40191
Stefano, S.Di *see* Di Stefano, S.
Stefanov, S.D. *see* Stefanov, S.K. 4—47255
Stefanov, S.K., Bolgradov, V.A., Stefanov, S.D. Specialized technological equipment—a prerequisite for productivity and quality improvement [of optical fibres] 4—47255
Stefanov, S.M. *see* Kruglii, V.P. 4—42746
Stefanovic, V.R. *see* Krishnan, R. 4—45676
Stefanovic, V.R. *see* Ranganathan, V.T. 4—57225
Stefanski, H. Teletex—new telegraph type service 4—43679
Stefanski, H. Facsimile-telegraphy: up-to-date situation and development trends 4—43689
Stefanutti, L., Capannini, E., Castagnoli, F., Ciraolo, L., Morandi, M., Radicati, B., Spalla, P. Laser remote sensing at IROE 4—61915
Steffen, A., Nyffeler, F.M. On the design of SAW-filters with Butterworth passband and Chebyshev stopband characteristics 4—52385
Steffen, P. *see* Schussler, H.W. 4—51397
Steffens, E. *see* Kramer, D. 4—33623
Steffens, H.G. Isolation and international standardization 4—30864
Steffens, H.G. *see* Starr, W.T. 4—30874
Steffes, P.G. A millimeter-wave system for the remote sensing of acidic clouds and precursor gases in the troposphere 4—39746
Stegeman, G.I., Seaton, C.T., Chilwell, J., Smith, S.D. Nonlinear waves guided by thin films 4—37441
Stegeman, G.I. *see* Karaguleff, C. 4—53067
Steger, U., Reichl, H. Thermal simulation of integrated digital transducers 4—48840
Steghafner, H. *see* Demmel, F. 4—37743
Stegmaier, J. *see* Bach, M. 4—39563
Stegmeier, H. Microelectronics—the possible advantages for telecommunications 4—54068
Stehfest, H. *see* Schulz, V. 4—62062
Stehlin, B. C-MOS and bipolar technologies are more partners than rivals 4—58959
Stehwien, W., Haykin, S. Parametric analysis of radar clutter 4—32848
Steidel, C.A. Assembly techniques and packaging 4—42129
Steidel, R.F., Jr., Pankow, D.H., Brown, K.A. The empirical modeling of a Lysholm Screw Expander 4—40145
Steigerwald, R.L. High-frequency resonant transistor DC-DC converters 4—46324
Steigerwald, T.E. *see* Niehenke, E.C. 4—41579
Steiglitz, K. *see* Cappello, P.R. 4—31960, 4—53765
Steiglitz, K. *see* Huang, M.-D.A. 4—47111
Steigmeier, E.F., Auderset, H. Structural perfection testing of films and wafers by means of optical scanner 4—51962
Steihaug, T. On the sparse and symmetric least-change secant update 4—46144
Steimer, F. Utilization of new services for office communications 4—54095
Stein, D., Ebert, G., von Klitzing, K., Weimann, G. Photoconductivity on GaAs-$Al_xGa_{1-x}As$ heterostructures 4—51852
Stein, F. *see* Jabbari, B. 4—32234
Stein, G. The automatic analysis of the structure of picture signals based on computed models using local characteristics of shape 4—32057
Stein, L. *see* Hausler, E. 4—34489
Stein, M., Valcereanu, A. Some aspects concerning the behaviour of the 110 kV double-circuit overhead lines from the operation reliability standpoint 4—56636
Stein, M. *see* Armencoiu, N. 4—56390
Stein, N., Pfannenstiel, P., Bruckner, A., von Seelen, W. The automatic evaluation of a section of the thyroid gland obtained ultrasonically 4—33826
Stein, R.B. *see* Charles, D. 4—56188
Stein, S. Packings of R^n by certain error spheres 4—43103
Stein, S. *see* Hamaker, W. 4—43104
Stein, S.R. *see* Glaze, D.J. 4—39327
Stein, W.E. *see* Sheffield, R.L. 4—47373
Stein, W.E. *see* Warren, R.W. 4—47371
Stein, W.L. *see* Birmingham, W.P. 4—38723
Stein, Z. *see* Krystkowiak, H. 4—34752
Steinbach, B. *see* Koegst, M. 4—29800
Steinbach, H., Pohl, A. Application of the FELD programme package to computing magnetic fields in the AC series motor 4—56925
Steinbach, W. *see* Wolf, M. 4—39554
Steinberg, R.I. *see* Brown, K. 4—55814
Steinbuss, W. An error bound concerning Howard's Value Determination Equation 4—46102
Steinemer, N., Maul, D. Vacuum power switch 3AF for traction networks with high short-circuiting power 4—49992
Steiner, E. *see* Abela, R. 4—49058
Steiner, J., Schupp, J. Experience with the gas heat pump. Abridged version of the results of an investigation carried out with the operators of gas heat pumps 4—45769
Steiner, K. SF_6 insulated metalclad switchgear and open-air switchgear in Austria 4—57249
Steiner, P., Wagli, P. New developments in ultrasonic and infrared motion detectors 4—31993
Steiner, S. *see* Kranz, H. 4—38663
Steiner, W. *see* Hinkel, H. 4—37025
Steinert, L. *see* Matthes, H. 4—33622
Steinger, H. Recording of traffic data and calculation of tariffs for the telepac network 4—43584
Steinhardt, A., Jones, W. A qualitative instability theory for lattice filters 4—53776
Steinhardt, A., Roberts, R. An optimization framework for spectrum estimation 4—38005
Steinheuer, F.H.K., Hasslacher, J. A monolithic 12-bit analogue-digital convertor—3 μs fast and μp compatible 4—35884
Steininger, W. The Dorfertal-Matrei Project in East Tyrol 4—56722
Steinke, G. Stereophony—state of the art and development tendencies. I. Basics—problems of conventional reproduction technology 4—38988
Steinke, G. Stereophony—state of the art and development tendencies. II 4—48659
Steinke, R. Safety measures to be taken when connecting the electrical services to a house 4—29203
Steinle, B. *see* Lechner, H. 4—40258
Steinle, H. *see* Schonfelder, V. 4—33779
Steinmetz, D.L. *see* Flores, L.N. 4—42411
Steinmetz, G.G. *see* Morello, S.A. 4—49407
Steinvall, O. *see* Renhorn, I. 4—54897
Stejny, J. *see* Portwood, T. 4—55887
Stekol'nikov, B.A. *see* Burtsev, V.A. 4—59445
Stelbrink, J. A high performance CRT subsystem 4—61259
Stella, A. *see* Palik, E.D. 4—51922
Stella, M. Speech synthesis 4—43259
Stellar, S. Surgical applications of lasers 4—39603
Stelling, C.B. *see* Wang, P.C. 4—61781
Stellingwerff-Beintema, S. ROV INTERPLOT 200 4—39739
Stel'makh, M.F. *see* Zharikov, E.V. 4—42603
Stemkovskii, E.P. *see* Pentegov, I.V. 4—35069
Stemmelen, E. Nuclear and sacred 4—62330
Stemmler, H., Hagmann, H.R., Kobi, H. Programmable processor for the control of power electronic systems 4—57211
Stenberg, J.G. Future directions in Asian telecommunications [a Swedish view] 4—60365
Stenberg, R. Analysis of mixed finite element methods for the Stokes Problem: a unified approach 4—29432
Stenerhag, B. Influence of energization time on losses of all film capacitors 4—58568
Stenersen, K., Jain, R.K. Small-Stokes-shift frequency conversion in single-mode birefringent fibers 4—59604
Stenersen, K. *see* Jain, R.K. 4—59300
Stenger, F. *see* Sikorski, K. 4—46192
Stenholm, S. *see* Bambini, A. 4—31415
Stenholm, S. *see* Fedorov, M.V. 4—31272
Stenovec, G.M. *see* Mackey, L.A. 4—61974
Stenstadvolden, J.A Navigation systems for civil aviation 4—44187
Stenzel, R. *see* Elschner, H. 4—30643
Stepan, B. *see* Burger, I. 4—51318
Stepanenko, P.Ya. *see* Naidenko, V.I. 4—42759
Stepanenko, V.I. *see* Ponomarev, L.I. 4—42984
Stepanov, A.A. *see* Berdyshev, A.V. 4—59447
Stepanov, A.I. *see* Danilov, V.V. 4—59454
Stepanov, B.M. *see* Ginzburg, V.M. 4—37493
Stepanov, B.M. *see* Kolesov, G.V. 4—37429
Stepanov, E.V. *see* Kosichnik, Yu.V. 4—47494
Stepanov, S.N. Probabilistic characteristics of an incompletely accessible service system with repeated calls for arbitrary values of subscriber persistent function 4—53975
Stepanov, V.I., Adoevtsev, S.N. The use of information existing in the process automatic control system of a generating unit to increase the accuracy of calculation of technical and economic characteristics 4—49671
Stepanov, V.P. *see* Zhezhelenko, I.V. 4—56402
Stepanova, A.V. *see* Kondrat'ev, E.F. 4—42180
Stepanova, M.G. *see* Vendik, O.G. 4—52510
Stepanova, M.N. *see* Nemenov, M.I. 4—37462
Stepantsov, S.V. *see* Chepigin, V.I. 4—39420
Stepanyants, A.L. *see* Okunev, R.I. 4—37409
Stepanyants, Yu.A. Experimental study of 'Cerenkov' radiation from solitons in two-dimensional LC-lattices 4—35606
Stepashko, V.S. Potential noise stability of modelling using a combinatorial GMDH algorithm without information regarding the noise 4—60041
Stephan, G., Trumper, M. Line shapes of a 'sensitive' laser 4—52908
Stephan, K.D., Itoh, T. Isotropic conversion loss as a measure of quasi-optical mixer efficiency 4—41605
Stephan, W. *see* Schmid, P. 4—37096

Stephen, J.B. *see* Charalambous, P.M. 4—39424
Stephens, D.B. *see* Dougherty, D.M. 4—29192
Stephens, F.S. *see* Zeller, E.A. 4—40217
Stephens, G. Modular Sound meets its Waterloo (Folk Festival) 4—38894
Stephens, G.B. *see* Cranford, H.C. 4—29662
Stephens, G.M. *see* Hsiao, Y.H. 4—49211
Stephens, K. *see* Goodwin, L. 4—35211
Stephens, K.G. *see* Hemment, P.L.F. 4—36446
Stephens, M.J., Watts, J., Kew, J. Differential pressure calibration at high line pressure 4—33290
Stephens, P., Robins, M., Roberts, M. Truck location using retroreflective strips and triangulation with laser equipment (TURTLE) 4—57468
Stephens, P.E. *see* Collier, M.J. 4—62674
Stephens, R.R. *see* Smylie, R.E. 4—49357
Stephens, W.A. *see* Sobottka, S.E. 4—33668
Stephens, W.E., Joseph, T.R., Findakly, T., Bor-Uei Chen Optical frequency stabilisation of high-power laser diodes under modulation using short optical waveguides 4—42627
Stephens, W.E., Joseph, T.R., Findakly, T., Chen, B.-U. Stabilization of the longitudinal modes of laser diodes by extremely short optical waveguides 4—53006
Stephenson, D.G. Solar Power Satellites as interstellar beacons 4—34498
Stephenson, F.W. Composite amplifier structures for use in active RC biquads 4—46567
Stephenson, F.W., Heidary, M. Comparative performance of composite amplifier structures 4—35963
Stephenson, H.B., Jr. A target acquisition system for telemetry tracking systems 4—48521
Stephenson, J.B. *see* Wilcox, B. 4—62904
Stephenson, J.C. *see* Ho, P.T. 4—59328
Stephenson, J.M. *see* Ray, W.F. 4—62751
Stephenson, J.W. *see* Manohar, R. 4—29417
Stephenson, R.A. *see* Bird, C.L. 4—33161, 4—44564
Stephenson, W.A. *see* Evans, L.G. 4—33961
Stepinski, B., Ungrad, H., Berney, R. Criteria for system and equipment planning 4—44947
Stepkina, L.V. *see* Galanov, E.K. 4—37180
Stepnev, V.A. *see* Bobrov, E.N. 4—32463
Stepniak, A. Electroluminescent diodes of non-typical semiconductor materials 4—31247
Steppuhn, H. DCF 77 receiver with indication of standard one second interval 4—48932
Steppuhn, H. *see* Lebowsky, F. 4—55360
Steptoe, B. Polyacetals—a combination of strength and toughness 4—50839
Sterber, F. Technique for automating test fixtures [for PCs] 4—46723
Sterheim, E. *see* Barton, M.L. 4—31562
Sterk, E., Balla, M., Sztaniszlav, A., Tardos, M. Influence of pre-sintering on chemical and morphological homogeneity 4—42239
Sterl, H., Kurze, D. Local networks—connecting links between microcomputers 4—43803
Sterligov, V.A., Snitko, O.V. High-frequency holographic diffraction gratings on surfaces of CdS single crystals 4—37494
Sterling, M.J.H. Computer control of electrical power systems 4—39835
Sterling, M.J.H., Irving, M.R. Distributed computation for real time control of electric power systems 4—62111
Sterman, L.S., Dlugosel'skii, V.I., Lavygin, V.M., Sedlov, A.S., Benenson, E.I. Employment of evaporating plants at heat and power stations 4—40110
Stermer, T.W. *see* Alewine, N.J. 4—57291
Stern, A., Hubner, K. Electronic density of states of an Si-SiO_2 interface with a gradual chemical transition 4—58809
Stern, D. *see* Rehmann, D.W. 4—39672
Stern, E. Comparison of new analog device technologies for signal processing 4—53781
Stern, F. *see* Heiblum, M. 4—41862
Stern, F. *see* Hickmott, T.W. 4—41873
Stern, L.A. *see* Rathman, D.D. 4—47012
Stern, M.B., Craighead, H.G., Liao, P.F., Mankiewich, P.M. Fabrication of 20-nm structures in GaAs 4—58825
Stern, M.B., Harrison, T.R., Archer, V.D., Liao, P.F., Bean, J.C. Raman spectroscopic analysis of the CaF_2-Si heterostructure interface 4—51898
Stern, M.B. *see* Liao, P.F. 4—58817
Stern, R., Krupka, Y. A CMOS LSI circuit for an implantable cardiac pacemaker 4—39614
Stern, R. *see* Seltz, D. 4—36912
Stern, R.M. *see* Lasry, M.J. 4—59969
Stern, T.G. Multibandgap photovoltaic receiver using back surface reflectors 4—40478
Stern, W. *see* Gerber, R. 4—48116
Sternberg, G. Drive control for model railways: a lamp lights up 4—35990
Sternberg, R. Flexible assembly halves inventory, cuts labor 4—57817
Sternberg, S.R. Morphological cellular logic image processor architectures 4—53867
Sternberg, S.R. Parallel processing in machine vision 4—57857
Sternglass, E.J. *see* Sashin, D. 4—44741
Sternick, S.H., Brusuelas, M.A. Airborne communications restoral/relay 4—38497
Sternowski, R.H. The impact of digital signal processing on future radio systems 4—43959
Stesmans, A., Braet, J., Witters, J., DeKeersmaecker, R.F. Electron spin resonance study of defects in Si-SiO_2 structures induced by As^+ ion implantation 4—30437
Stets, J. *see* Deringer, G.C. 4—36102
Stetson, L.E., Bodman, G.R., Shull, H. An analog model of neutral-to-earth voltages in a single-phase distribution system 4—49598
Stetson, L.E., Stark, G.L. Rural electric demand research 4—62103
Stettmaier, K. *see* Hutzler, P.J.S. 4—32004
Stevanovic, N.M. *see* Stojanovic, M. 4—48086
Stevens, C.G. *see* Bookless, W.A. 4—47410
Stevens, C.G. *see* Rinehart, E.A. 4—39745
Stevens, D.S., Tiersten, H.F. Transient thermally induced frequency excursions in AT- and SC-cut quartz trapped energy resonators 4—30892
Stevens, D.S. *see* Tiersten, H.F. 4—30905
Stevens, E.H. Bipolar logic gates for ULSI applications 4—58288
Stevens, E.H. *see* Kubema, R.L. 4—36883
Stevens, G. *see* Bernstein, J. 4—53548
Stevens, G.F. Post-accident heat removal from particulated fuel debris 4—34354
Stevens, H.G. Servos and steppers vie for control 4—45465
Stevens, K.N. *see* Viswanathan, V.R. 4—59978
Stevens, L. SNA: IBM wins again 4—32351
Stevens, M. *see* Grant, D. 4—57427
Stevens, N.G., Sproston, J.L., Stanway, R. Experimental evaluation of a simple electroviscous damper 4—53174
Stevens, R. *see* Posner, E.C. 4—54735
Stevens, R.D. *see* Chan, W.H. 4—56338
Stevens, R.J. *see* Lehar, A.F. 4—48811
Stevens, R.R., Jr. *see* York, R.L. 4—61647
Stevens, S.N., McCabe, S.P. IDS—a system for fast, hierarchical design of handcrafted VLSI circuits 4—58990
Stevenson, A., Whitt, S., Rowley, R. A 280 Mbit/s monomode optical trunk transmission system 4—54763
Stevenson, A.C. Fundamentals and application of static power conversion 4—62640
Stevenson, C.R. An improved modulation format and signal processing scheme for ACSB systems 4—60724
Stevenson, D. *see* Bliss, J. 4—38271
Stevenson, G.R. *see* Hoefert, M. 4—33896
Stevenson, J.D. Designing for extreme loads—the impact on cost and schedule 4—62300
Stevenson, J.E. Repairability of energy-efficient motors [AC motors] 4—49838
Stevenson, J.K. Analytical solutions for a range of filters with single and multiple attenuation poles and zeros 4—51399
Stevenson, P.D.C. World-wide data communication 4—54019
Steward, F.R. *see* Butts, J.R. 4—40601
Steward, S. Why not let public enterprise stimulate the private sector? 4—56380
Stewart, A.F., Guenther, A.H. Preliminary experimental results of spot size scaling in laser induced damage to optical coatings 4—42693
Stewart, B., Haw, B., Kirby, A. Local area network connection 4—38316
Stewart, D. Fibre optics 4—52588
Stewart, G.W. Rank degeneracy 4—40898
Stewart, G.W. On the invariance of perturbed null vectors under column scaling 4—46186
Stewart, J. *see* Bauer, M. 4—40483
Stewart, J. *see* Jones, J.R. 4—62261
Stewart, J.A.C. *see* Fusco, V.F. 4—32853
Stewart, J.H. The fault tolerant V BUS family 4—29838
Stewart, J.S. An autorecloser with microprocessor control for overhead line distribution 4—49995
Stewart, K. *see* Krogh, F.T. 4—57980
Stewart, L.C. *see* Swinehart, D.C. 4—32518
Stewart, L.D. Requirements for negative ion based systems from users' point of view 4—61614
Stewart, N.J. *see* Pickersgill, P.J. 4—39576
Stewart, P.G., Goh, T.F. Recurrent surge generator simulation of lightning impulse voltage tests on low voltage windings of distribution transformers 4—62571
Stewart, R. Regulatory aspects of cabled distribution systems 4—55012
Stewart, R.D. *see* Debney, C.W. 4—37834
Stewart, R.D. *see* Redfern, S.W. 4—37683
Stewart, R.H. Earth and space science: oceans 4—39723
Stewart, R.M. *see* Kondraske, G.V. 4—44712
Stewart, R.W., Shoup, R.W. A testing approach to EMP hardness surveillance of shielded systems 4—37630
Stewart, T.I., Lambson, M.A., Turvey, S.P. Conductive inks—printing the circuit 4—58588
Stewart, W.J. New developments in monomode test methods 4—52666
Steyer, M.F. *see* Doherty, J.A. 4—36661
Steyert, W.A., Longsworth, R.C. The use of small cryogenic refrigerators near high-homogeneity magnets 4—37079
Stiborova, E., Kopacek, M., Skoda, Z. New HV switches with SF_6 of the VF type for voltages 7.2 to 38 kV 4—45553
Stiborova, E., Svoboda, V., Stojan, J., Pulkrabek, Z. New types of circuit breakers for 12 and 25 kV voltages 4—40352
Stibunov, V.N. *see* Anan'in, P.S. 4—33718
Stichman, J.H. *see* Love, J.T. 4—56189
Stickel, H. *see* Janzen, G. 4—41569
Sticker, H. *see* Heinrich, V. 4—37024
Stickler, M.J. The EBU parallel interface for 625 line digital video signals 4—61024
Stiefel, B., Muller, B. Investigation of evaluation magnitudes in signature analysis 4—44475
Stiefel, B. *see* Muller, B. 4—44476
Stiefel, G. *see* Stieler, K.-H. 4—30190
Stieg, J., Kalejs, M.P., Mathias, R.W. Western farmers combined-cycle plant: a success story 4—49766
Stieger, G., Warchhold, P. Computer power for EWS development 4—43888
Stieler, K.-H., Stiefel, G. Automatic evaluation of X-ray films in checking the registration of the layers in multi-sheet circuit boards 4—30190
Stienstra, A.J. *see* Goedbloed, J.J. 4—37605
Stievenard, D., Bourgoin, J.C., Lannoo, M. An easy method to determine carrier-capture cross sections: Application to GaAs 4—30326
Stievenard, D. *see* Roux, M. 4—57356
Stiffler, R. Applications of a peak-valley detector for secant stiffness measurement 4—29559
Stika, O. *see* Vanecek, M. 4—50061
Stiles, P.J. *see* Smith, R.P. 4—52134
Stiles, P.J. *see* Zhao, L.C. 4—51906
Still, D.W. *see* Reasoner, K.J. 4—29782, 4—35747
Still, J.R. Modular construction impacts on physical design 4—50485
Stillman, G.E. Long-wavelength 1.0-1.6-μm detectors 4—54804
Stillman, G.E., Cook, L.W., Roth, T.J., Low, T.S., Skromme, B.J. High-purity material 4—30343
Stillman, G.E. *see* Brunemeier, P.E. 4—35492
Stillman, G.E. *see* Skromme, B.J. 4—41839
Stillman, R.H., Hannah, R., Le Duc Hong The application of supervisory control and data acquisition to a rural-provincial power system 4—62158
Stillwagon, L.E. *see* Taylor, G.N. 4—30496, 4—51960
Stimming, U. Properties of the passive film on iron electrodes by capacity and photocurrent measurements 4—30431
Stimpel, A. Ciphering using matrices 4—53402
Stimson, A.L. *see* Colby, R.J. 4—38514
Stinson, E.B. *see* Mower, M.M. 4—44786
Stinson, W.F. *see* Cheung, S.K. 4—46431, 4—50954
Stirling, A. On screen multimeter 4—39010
Stirling, K. *see* Reynolds, R.A. 4—30168
Stirling, W.L., Dagenhart, W.K., Whealton, J.H., Donaghy, J.J. Normalized emittance of SITEX negative ion source 4—61650
Stirling, W.L. *see* Dagenhart, W.K. 4—61643
Stirling, W.L. *see* Whealton, J.H. 4—61654
Stirn, H.R. Failure analysis of multilayer printed circuit boards using thermography 4—51624
Stirn, R.J. *see* Richards, D. 4—47325
Stirpe, F. *see* Fornarini, L. 4—40460
Stobbs, W.M. *see* Boothroyd, C.B. 4—51878
Stocchino, G. High efficiency MOSFET power amplifier 4—38929
Stock, L.V. *see* Wilson, J.W. 4—45639
Stock, T., Stohr, R. LIDAR-technique—a method for registration of gaseous atmospheric pollutants 4—54892
Stocker, H.R. *see* Ehrmann-Falkenau, E. 4—52386
Stocker, H.R. *see* Ruppel, C. 4—52387
Stocker, W. *see* Juzi, H. 4—56791
Stocker H. Digital signal transmission technology. XL. Spectrum-forming surface-wave filters for digital directional radio systems 4—43962
Stockham, T.G., Jr. *see* Ingebretsen, R.B. 4—33060
Stockham, T.G., Jr. *see* Lagadec, R. 4—43397
Stockhausen, A., Lochner, J. Machine data acquisition in the automated production of unfinished bodies for passenger motor cars 4—48255
Stockholm, J.G. *see* Buffet, J.P. 4—40500
Stocklinger, J. *see* Pomper, M. 4—51285
Stockman, H.S. *see* McGraw, J.T. 4—39072
Stockmeyer, L. Optimal orientations of cells in slicing floorplan designs 4—36711
Stockmeyer, L. *see* Gurevich, Y. 4—57923
Stockton, J.F. MC 68010: the microprocessor with virtual memory 4—35827
Stockwell, D.A. CRT display feature editing and control 4—48750
Stoddard, J.C., Tweedy, E.P. Use of long-wavelength devices for analog optical-fiber loops 4—44109
Stoemenos, J. *see* Samaras, I. 4—46231
Stoer, J. The convergence of matrices generated by rank-2 methods from the restricted β-class of Broyden 4—46064
Stoewer, H. European applications oriented space technology 4—39639
Stoffel, J., Glavitsch, H. Hierarchical controls in supply networks 4—49587
Stoffel, J.C. *see* Hsing, T.R. 4—53822
Stoffels, B. Satellites, the technology, the participants, the market 4—38540

Stoffels, B. Office of the future . . . what, why when? 4—54062
Stognii, B.S., Slyn'ko, V.M., Demin, A.E., Kiseleva, V.Ya. Analysis, calculation and experimental investigations of aperiodic transient processes in measuring current transformers 4—51571
Stognii, B.S., Tankevich, E.N., Chernenko, V.A., Bogdanevich, N.A. A method of determining the error of cascade current transformers designed for operation under transient conditions 4—45494
Stogov, G.V., Petelin, Yu.V. System for measuring the correlation functions of complex signals 4—61302
Stogryn, A. The bilocal approximation for the effective dielectric constant of an isotropic random medium 4—47578
Stogryn, E.L. *see* Morel, D.L. 4—50057
Stohr, H. *see* Thoma, H. 4—49316
Stohr, R. *see* Leimbrock, W. 4—42071
Stohr, R. *see* Stock, T. 4—54892
Stoiaken, L.N. A new generation of photovoltaics [commercialization efforts] 4—57344
Stoian, M., Teodorescu, V., Vorobchievici, V. Choosing the location and general plan concept for the experimental 1 MWe solar electric plant 4—49812
Stoiber, R. *see* Schambeck, W. 4—60745
Stoica, M. *see* Gheorghe, A. 4—56522
Stoikova, E.V., Ferdinandov, E.S. Statistical accuracy of time variations in laser sounding of the atmospheric dynamics 4—54890
Stoisiek, M. *see* Franz, G.A. 4—36644
Stojan, J. *see* Stiborova, E. 4—40352
Stojanov, D., Borisov, M. MOS controlled components based on acoustic surface waves 4—30921
Stojanovic, D. *see* Tjapkin, D. 4—46850
Stojanovic, I.S. *see* Lebaric, J.E. 4—60911
Stojanovic, M., Stevanovic, N.M. Videotext—a new telecommunications service 4—48086
Stojar, V., Jetleb, P. The SPRY 25 NC type numerically controlled turret lathe 4—62849
Stojkovic, D. Hydrological principles and possible ways for their utilization in annual and multiannual planning of hydroelectric power plant production 4—62436
Stojmirovic, B. Review on the possibilities of utilization of the hydropower potential of Yugoslavia 4—56714
Stokan', G.P., Tolmachev, G.N. Comparative characteristics of different designs of helium-cadmium laser with lateral high-frequency discharge 4—37285
Stokes, A.D., Manganaro, S., Giglio, M., Colombo, E. SF_6 puffer circuit breaker: Schlieren visualisation of hot circulation following fault interruption 4—62652
Stokes, A.V. The technology of Ethernet 4—38274
Stokes, A.V. Ungermann-Bass's Net/One 4—54340
Stokes, K.B., Kriett, J.M., Gornick, C.A., Detloff, B.L.S., Benditt, D.G. Low threshold cardiac pacing electrodes 4—49309
Stokes, O.L., Jr. *see* Broockman, E.C. 4—47535
Stokes, R.B., Delaney, M.J. Aging mechanisms in SAW oscillators 4—52424
Stokes, R.B. *see* Lau, K.F. 4—36988
Stokes, R.W. Developments in motor drives 4—40521
Stokke, K.N. Problems concerning FM broadcasting in coastal areas and mountainous terrain: methods to reduce the influence of such problems 4—42867
Stokke, K.N. Alignment of antennae towards a geostationary satellite 4—42938
Stokla, W. Teletext marches on in Europe 4—48138
Stokstad, R.A.G. *see* Van Bibber, K. 4—33672
Stolarski, E. *see* Grzegorczyk, A. 4—61338
Stolen, R.H. Active fibers 4—31496
Stolen, R.H., Ashkin, A., Pleibel, W., Dziedzic, J.M. In-line fibre-polarization-rocking rotator and filter 4—52577
Stolen, R.H., Lee, C. Development of the stimulated Raman spectrum in single-mode silica fibers 4—53061
Stolen, R.H. *see* Johnson, A.M. 4—31441
Stolen, R.H. *see* Tomlinson, W.J. 4—37113
Stoll, H.G., Heiges, H.H. The benefits of power plant life extension in today's utility business climate 4—49733
Stoll, P.J. *see* Greenberg, E.L. 4—49353
Stollberg, M.T., Lee, H.-W. Charge transfer in low-energy collisions of He^{2+} and Li^{3+} with various neutral atoms 4—37301
Stoller, H.I. *see* Feinberg, I. 4—35314, 4—45981
Stoller, H.I. *see* Krus, C.J. 4—47084
Stolov, L.I. *see* Gromov, G.G. 4—32475
Stolovitskii, V.M. *see* Barannikov, A.L. 4—37497
Stolovitskii, V.M. *see* Berkovskaya, K.F. 4—55493
Stolpovskii, A.A. *see* Dubnischev, Yu.N. 4—37505
Stolshek, J.D., Koehring, P.A., Jr. Ultrasonic technology provides for control of lighting 4—57540
Stolte, C. *see* Su, C. 4—36635
Stolte, W.J., Eckroad, S.W. Customer side of the meter load leveling 4—39822
Stolting, H.-D. Measuring winding layout of universal motors 4—62561
Stolyarevskii, V.K. *see* Vtyurin, Yu.N. 4—40680
Stolyarov, I.I. *see* Abramovich, B.N. 4—39864
Stolyarov, I.M. Frequency converter—asynchronous motor drive for mining machines 4—62725
Stone, D.C., Schroeder, J.E., Kaplan, R.H., Smith, A.R. Analog CMOS building blocks for custom and semicustom applications 4—30763
Stone, D.C., Schroeder, J.E., Kaplan, R.H., Smith, A.R. Analog cell design approach to custom and semicustom CMOS design 4—36918
Stone, E.C. *see* Cook, W.R. 4—33780
Stone, G.C. *see* Kurtz, M. 4—36943
Stone, G.F., Ceglio, N.M. A proton shadow camera using CR-39 track detectors 4—55962
Stone, G.O. *see* Forghani, B. 4—29410
Stone, H.S. *see* Fukunaga, K. 4—40950
Stone, J., Burrus, C.A., Wiesenfeld, J.M. On the origin of the long-wavelength loss anomaly in H_2-treated germano-phospho-silicate glass fibers 4—52547
Stone, J. *see* Chraplyvy, A.R. 4—42545
Stone, J. *see* Sears, F.M. 4—42366
Stone, J. *see* Wiesenfeld, J.M. 4—54791, 4—59476
Stone, J.L. The future of amorphous silicon: if, when and how? [solar cells] 4—50086
Stone, J.L. *see* Jones, T.W. 4—55811
Stone, K.R. *see* Edwards, P.F. 4—46688
Stone, N.L. Naval electronic combat 4—48513
Stone, R.B. *see* Voss, D.J. 4—59155
Stoneham, E.B. *see* Tan, T.S. 4—30649
Stoner, W.W., Miceli, W.J., Horrigan, F.A. One-dimensional to two-dimensional transformations in signal correlation 4—43420
Stones, W.F. Recent history of electricity supply in Hong Kong 4—62026
Stoodley, K.D.C., Lu, R., Crew, A.D., Henry, R.M. A microprocessor based immediate alarm system for post-cardiac surgical patients 4—49281
Stoodley, K.D.C. *see* Naghdy, F. 4—49115
Stoops, E.H. Circuit to control the time rate of change of current at the output node of an off-chip driver 4—58220
Stopar, S.J. Design, construction and operation of an indoor 138 kV gas insulated substation 4—50005
Stoppelkamp, F.H. Alternative digital switch architectures from a network planning perspective 4—54566
Storch, H. *see* Kloeppel, F.W. 4—34111
Stordeur, M. Investigation of the weak-field charge transport in semiconducting V_2-VI_3 compounds with trigonal symmetry. I. Expanded model for the transport coefficients 4—51807
Storer, J.A. On minimal-node-cost planar embeddings 4—40951
Storey, C. *see* Tassopoulos, A. 4—46140, 4—46141, 4—46142
Storey, M. We are in the business of communication not cable television 4—60465
Storey, M. Report from the front line 4—61066
Stork, J.M.C., Isaac, R.D. Bipolar device scaling limits from tunneling in base-emitter junctions 4—36811
Stork, J.M.C. *see* Ricco, B. 4—52070
Storm, D.W. *see* Cramer, J.G. 4—33600
Storm, J. The EWSD digital switching system 4—54535
Stormer, H.L., Baldwin, K., Gossard, A.C., Wiegmann, W. Modulation-doped field-effect transistor based on a two-dimensional hole gas 4—42046
Stormer, H.L. *see* Hwang, J.C.M. 4—36308
Storoshchuk, O., Szabados, B. Industrial local area network 4—32420
Storozhuk, Ya.P., Maksvitat, V.O., Ambartsumov, N.E. Study of the BKZ-420-140 NGM boiler heating process 4—40069
Storozum, S.L., Gustavson, F. Fiber optic networks for personal computers 4—60838
Storry, D.J.T. *see* Ball, A.A. 4—57932
Storti, S. *see* Garue, S. 4—59019
Storti, S. *see* Menniti, P. 4—50945
Storz, F.G. *see* Tewksbury, S.K. 4—52124
Stothart, P. *see* Geise, H.D. 4—38837
Stothers, J., Dietrich, M. Canada: videotex pacesetter 4—54195
Stotskii, A.A. *see* Golosova, S.Ya. 4—32886
Stotskii, A.A. *see* Maiorova, E.K. 4—32884, 4—32885
Stotskii, A.A. *see* Pinchuk, G.A. 4—54923
Stott, F. *see* Timoc, C. 4—35871
Stott, M.A. Design of the SARSAT ground stations 4—32753
Stott, P.J. Why we need a new standard for LV circuit breakers 4—62650
Stotz, K.C. Operational amplifiers in introductory circuits courses—progress or problem? 4—57736
Stout, K.J., Davis, E.J. Assessing surface finish accurately 4—39365
Stout, S.J. *see* Davis, R.H. 4—53183
Stovall, C., Green, D.G. A motor interface and demonstration controller 4—62555
Stovall, F.A. A management guide to reliability predictions 4—45914
Stovall, J.P. *see* Gellings, C.W. 4—57572
Stovall, R.E. Predicting the performance of matched filter image detectors for non-stationary scenes and noise 4—53828
Stovall, R.E. Effects of image correlation type and degree on matched filter image detection 4—53848
Stover, D.W. *see* Mengel, E.E. 4—39000
Stover, G.D. *see* Orzechowski, T.J. 4—47368
Stover, H., Fletcher, J. True three-dimensional display of computer generated images 4—48741
Stover, H.A. Suggested considerations for designing survivability into the Defense Communications System (DCS) 4—32219
Stover, H.A. Application of clock error prediction for digital communications 4—35927
Stover, R.F. *see* Lee, E.B. 4—29839
Stow, R.H. *see* Hinderaker, P.D. 4—36124
Stoyan, D. Correlation of the marks of marked point processes—statistical inference and simple models 4—50642
Stoyan, D. *see* Hanisch, K.H. 4—50641
Stoyanov, A.K. *see* Popov, A.A. 4—35542
Stoyanov, G. *see* Radev, P. 4—37839
Straayer, A., Hellings, G.J.A., Kipperman, A.H.M. Tunnel-barriers and admittance of several very thin insulators in Au-MIS photodiodes on p-silicon 4—31244
Straayer, A. *see* van Beek, F.M. 4—34938
Straboni, A. *see* Vuillermoz, B. 4—30559
Stracca, G.B. AEI enquiry into universities and the electrotechnical and electronic industry 4—50343
Strachan, A., Lacey, R. The drive is on for smart servo systems 4—57078
Strachowski, K. *see* Manikowski, J. 4—57181
Strachowski, K. *see* Miszewski, M. 4—57180
Strack, H. *see* Munzel, H. 4—52271
Strackee, J. *see* De Boer, R.W. 4—44749
Strader, N.R., Brosnan, T.J. Error detection for serial processing elements in highly parallel VLSI processing architectures 4—47140
Stradling, G.L. *see* Kinoshita, K. 4—61735
Stradling, R.A. Intrinsic and extrinsic infrared spectroscopy for characterisation of semiconductors 4—36468
Stradling, R.A. *see* Skolnick, M.S. 4—36263
Straehle, W. *see* Meyers, R.F. 4—58326
Strage, J.W. *see* Andersson, K.I. 4—32193
Strahm, E.C. Test and evaluation of radioactively contaminated transducers and transmitters 4—48894
Strain, C.G. *see* Beeteson, J.S. 4—33165
Strain, L. What looks like a birdcage for a 2000 pound canary? 4—31777
Straka, V. *see* Majek, S. 4—49025
Strakhov, L.P. *see* Katunin, B.D. 4—46829
Strakhov, V.A. *see* Gulyayev, Yu.V. 4—30413
Stramska, H. The Voigt effect under a strong electric field in semiconductors 4—51738
Strand, J.L. *see* Ott, G.D. 4—32309
Strand, R.C. *see* Borenstein, S.R. 4—39447
Strand, T.C. *see* Chavel, P. 4—33457
Strand, T.C. *see* Jenkins, B.K. 4—59628
Strand, T.C. *see* Kuan, D.T. 4—60252
Strand, T.C. *see* Sawchuk, A.A. 4—43424, 4—60191
Strand, T.C. *see* Tanguay, A.R., Jr. 4—37177, 4—42424
Strange, D. *see* Clark, D. 4—58517
Strashilov, V. *see* Borissov, M. 4—30744
Strashun, L. Timebase correctors and frame synchroniser 4—46378
Strashun, L. Time-base correctors and frame synchronizers. I 4—48586
Strashun, L. Time base correctors and frame synchroniser. III 4—61026
Strasilla, U., Mok, T.D., Solomon, C., Ateshian, P.A. Computer design of a mask programmable signal processing device 4—35964
Strass, H. Semiconductor mass storage: the special species 4—29853
Strasser, F. There's no point in panicking: Secure message transmission with the Teleprinter Model 1000 CA 4—54141
Strasser, W. Videodisc 4—32968
Strasser, W. *see* Encarnacao, J.L. 4—51363
Strassle, G., Reinhardt, E.R., Witte, S. Analysing the texture of actual cell material by means of ultra-violet microscopy 4—39129
Strassler, S., Reis, A. Simple models for n-type metal oxide gas sensors 4—33239
Strasters, B.A., Vermeer, A., van Zwol, N.A. Improvements in ANIS and inverted sputter sources 4—33621
Strasters, B.A. *see* van der Borg, K. 4—33593
Stratman, H. Clamp-on DC ammeter 4—61449
Straub, M. *see* Pytlinski, J.T. 4—33530
Straughan, I.R. *see* McCrackin, F. 4—49663
Strauli, Q. Stripped-down modems 4—32529
Strauss, B. Evaluation of the height of the tropospheric evaporation duct 4—42872
Strauss, K. *see* Geissler, T. 4—45261
Strauss, R., Smernos, S. Low temperature soldering [of PCBs] 4—46690
Strauss, S.D. Disposing of power plant flyash can be effected in an environmentally safe manner 4—34388

Strauss, S.D. Pushing nuclear fuel toward extended burnup 4−45231
Strausz, S.C., Davisson, R.J., Lord, J.J., Wilkers, R.J. Design of emulsion chambers for cosmic ray experiments at balloon altitudes 4−39466
Strautins, J. *see* Luper, D.C. 4−30748
Strawinski, L. *see* Kacperski, T. 4−59146
Strawn, J.A. *see* Schatz, J.F. 4−35103
Strazicky, B. *see* Deak, I. 4−34110
Strbuncelj, Z., Jasak, M., Poduje, J., Sojat, D. Welded constructions in building large rotating electric machines 4−56942
Strbuncelj, Z. *see* Saban, J. 4−56753
Streat, N., Macdonald, J.A., Johnson, R.E. Online efficiency monitoring of hydroelectric generating units 4−49807
Strebel, B. *see* Bachus, E.-J. 4−54808
Strebkov, D.S. *see* Epifanov, M.S. 4−45660
Strebulyaev, A.I. *see* Khripkov, A.N. 4−47565
Streck, J.P. Charge-conserving bit line boost circuit 4−51219
Streese, P. Power supply for the microcomputer system Robotron K 1520 4−29626
Street, R.A. *see* Marshall, J.M. 4−31217
Streeter, W.J., Doesborgh, A.H.P. Use of consumption of silver in photographic applications in the printing industry 4−35100
Streetman, B.G. *see* Banerjee, S.K. 4−41942, 4−51987
Streetman, B.G. *see* Farley, C.W. 4−46932
Strege, K.E. *see* Wilt, D.P. 4−52984
Strehlo, K. Mail call, mail call! [electronic mail advantages] 4−43676
Streibl, I., Syrett, B., Suthers, M., Conn, D. SAW diffraction compensation on YZ-$LiNbO_3$ 4−52395
Streibl, N. *see* Lohmann, A.W. 4−37475
Streifer, W., Burnham, R.D., Paoli, T.L., Scifres, D.R. Phased array diode lasers 4−59526
Streifer, W., Yevick, D., Paoli, T.L., Burnham, R.D. Coupling strength and influence in cleaved-coupled-cavity lasers 4−47454
Streifer, W., Yevick, D., Paoli, T.L., Burnham, R.D. An analysis of cleaved coupled-cavity lasers 4−52977
Streifer, W. *see* Epler, J.E. 4−52981, 4−59493
Streifer, W. *see* Meehan, K. 4−31369
Streifer, W. *see* Paoli, T.L. 4−52951
Streiff, M.L. *see* Wang, J.Y. 4−54895, 4−60912
Streit, D., Metzger, R.A., Allen, F.G. Epitaxial regrowth of highly doped amorphous silicon films grown by MBE 4−50759
Streit, D.C., Allen, F.G. Silicon triangular barrier diodes by MBE using solid-phase epitaxial regrowth 4−52052
Streit, E. Efficient heat treatment of small parts 4−57623
Streit, P. LCDs with chip on glass 4−33388
Streit, P. LCDs in chip-on-glass technology 4−55590
Streit, R.L. A two-parameter family of weights for nonrecursive digital filters and antennas 4−31968
Strekalovskaya, S.V., Chechurin, V.L. A procedure for computing a three-dimensional magnetic field by the method of secondary sources 4−42757
Strelkov, G.M. *see* Gordin, M.P. 4−42710
Strel'nikova, I.A. *see* Zemskov, V.S. 4−41836
Strel'tsov, A.P. *see* Baranov, V.Yu. 4−59450
Strempel, R. *see* Bers, K. 4−44973
Strenin, A.N., Sklyarenko, A.I. Device for read-out of numerical information 4−48937
Streydio, J.-M. *see* Berote, G. 4−62695
Strezoski, V. New treatment of tap changing transformers in modelling electric power systems 4−34145
Stricker, J., Waichman, K. Effects of shock waves on the performance of a CW supersonic HF chemical laser 4−59436
Strickland, D.C. *see* Austin, J.D. 4−61782
Strickland, J.H., Jr. *see* Munson, D.C., Jr. 4−41496
Strickland, J.I. *see* Butler, R.S. 4−31673
Strickland, R.N. Experiments on the use of local statistics for adaptive image processing 4−60255
Strid, E.W. A monolithic 10-GHz vector modulator 4−30111
Striffler, C.D. *see* O'Shea, P.G. 4−41752
Striffler, C.D. *see* Vaucher, A.M. 4−58496
Strik, J.R. *see* Chan, Y.H. 4−51216
Strikha, M.V., Yassievich, I.N. Impact recombination of electrons via deep and shallow acceptors in *p*-type semiconductors 4−46788
Stringer, F.S. The development of flight deck displays 4−49382
Stringer, J. *see* Brown, D. 4−49747
Stringer, J. *see* Minchener, A.J. 4−44493
Stringfellow, G.B. Immiscibility and spinodal decomposition in III/V alloys 4−35482
Stringfellow, G.G. *see* Cherng, M.J. 4−29471
Stringfellow, J.F. SCR-switched capacitor steps in at brown-outs 4−35613
Stringfellow, K.W. Improving the accuracy of thermocouple temperature measuring circuits 4−33282
Stringfellow, N.J. *see* Blake, M.W. 4−34351
Stringfellow, T.E., Nolte, F.S., Sage, W.L. Fluidized−bed retrofit-a practical alternative to FGD 4−34419
Stringfellow, T.E. *see* Donaldson, A.M. 4−49760
Striz, V. The E301D integrated circuit from East Germany for direction indicators 4−62777
Strizak, N. Designing thick-film resistors in actual thick-film process 4−58640
Strizhevskii, V.L. *see* Apanasevich, P.A. 4−42504
Strizhevskii, V.L. *see* Kornienko, N.E. 4−47512
Strmiska, F. *see* Krizek, V. 4−39992
Strnad, M. Verification of acquired data 4−43118
Strnad, P. *see* Veprek, J. 4−39135
Strnat, K.J., Li, D., Mildrum, H.F. Magnetic domains and reversal mechanisms in sintered '$SmCo_5$' permanent magnets 4−30958
Strobel, D. *see* Merker, M. 4−36796
Strobel, O. Simultaneous wavelength and power stabilization of GaAlAs semiconductor laser applying a single detector scheme 4−52955
Strobel, O. Wavelength stabilization of a GaAlAs semiconductor laser by use of an integrated-optic Fabry-Perot-interferometer 4−52956
Strobel, O. *see* Koester, W. 4−38595
Strobel, W.A. *see* Venikov, V.A. 4−45414
Strobele, H. Data acquisition of high multiplicity events in relativistic heavy ion streamer chamber experiments 4−39469
Strobhar, D.A., Sweeney, P.J. Power plant man-machine modeling, with systems dynamics 4−45240
Strobl, R. Coping with network control: managers reveal their plans 4−32338
Strock, O.J. Telemetry computer systems. An introduction 4−35121
Strock, O.J. New architecture for a high speed versatile telemetry/computer system 4−48776
Strocka, B. *see* Tolksdorf, W. 4−35464
Strodtbeck, A.L. *see* Fashano, M. 4−38503
Stroev, V.A. *see* Al'vares, D.Kh. 4−56446
Stroev, V.A. *see* Venikov, V.A. 4−40362, 4−45414
Stroher, H. *see* Drexler, J. 4−39419
Strohmer, F., Horacek, G. Model tests on a semiaxial pump turbine 4−62448
Stroinski, M. *see* Cellary, W. 4−48289
Strojnik, A. High current electron microscope lenses 4−30291
Strojwas, A.J., Nassif, S.R., Director, S.W. A methodology for worst case design of integrated circuits 4−36777
Strojwas, A.J. *see* Nassif, S.R. 4−30670
Strojwas, A.J. *see* Trick, M. 4−36901
Strokan, N.B. *see* Gogitidze, N.Z. 4−58724
Strokan, N.B. *see* Verbitskaya, E.M. 4−46938
Strokin, N.A. *see* Koshilev, N.A. 4−42775
Strokovskiy, Ya.N. Determination of the complex transmission and reflection coefficients in an axisymmetrical retarding system with a phase velocity discontinuity 4−42912
Strole, A. *see* Schroder, F. 4−44108
Strole, N.C. Token-ring local area network 4−43770
Strolin, P. *see* Anderson, L. 4−55989
Strom, D. *see* Bazques, E. 4−40128
Stromberg, B. *see* Evans, D. 4−39695
Stromberg, M. *see* Berggren, G. 4−47995
Stromsmoe, K.A. *see* Filanovsky, I.M. 4−35685, 4−51025
Stronach, A.F. *see* Leung, K.S. 4−34550
Strong, D.M. *see* Kriebel, C.H. 4−54143
Strong, H.R. *see* Finkelstein, S. 4−32392
Strong, M.J. SMPTE time and edit code and its application to motion-picture production 4−31872
Stronskii, A.V. *see* Kostyshin, M.T. 4−37499, 4−53100
Stroock, D. *see* Kusuoka, S. 4−47870
Stroom, C. *see* Lebrun, W. 4−41163
Stroom, C. *see* Slachmuylders, E. 4−44805
Stroppiana, M. *see* Cominetti, M. 4−48569
Strotman, R. *see* Dobos, K. 4−48836
Stroud, C.R. *see* Hillman, L.W. 4−37338
Stroud, M.A.M. *see* Cullis, C.F. 4−33531
Strouth, T. *see* Wilson, D. 4−29826
Strub, R.A. Rotors of turbomachines−power and elegance 4−45402
Struchev, V.F. *see* Levshin, V.P. 4−31980
Struck, J.K. *see* Ramer, D.J. 4−48759
Struckman, K.A. Correlation of interpolated time delayed communication signals 4−53362
Struckmeier, J., Reiser, M. Theoretical studies of envelope oscillations and instabilities of mismatched intense charged-particle beams in periodic focusing channels 4−39394
Struharik, S.J. Cross-polarization measurements at 4 and 6 GHz in the INTELSAT V system 4−54654
Strukov, A.Z. Analysis of physical processes in a parametric generator with balanced pumping modulation during circuit loss compensation 4−41243
Strukov, A.Z., Khatuntsev, A.G. Separation of the quadrature components of a radiosignal in a parametric generator 4−41573
Strukov, I.A. *see* Bozhkov, V.G. 4−30598
Strumia, F. *see* Inguscio, M. 4−42567, 4−42571
Strumia, F. *see* Moruzzi, G. 4−42569
Strunk, M.H., Jr. A survey of cresylic acid supply in the future with a historical perspective 4−35298
Struve, B. *see* Drube, J. 4−42600
Struzewska, E. Trade-off studies of pollution hazards 4−56651
Stryland, E.Van, W. *see* Van Stryland, E., W.
Stryland, E.W.Van *see* Van Stryland, E.W.
Strzyzewski, W. *see* Nowak, M. 4−57667
Stuard, D.H. *see* Phile, W.G. 4−48623
Stuart, A.K. *see* Crawford, G.A. 4−50262
Stuart-Shakey, P.I., Austin, L.F. Federal regulation of scientific diving: two scientific divers' perspective 4−61831
Stuba, H. *see* Lojak, L. 4−45708
Stubbe, P. *see* Barr, R. 4−47594
Stubbins, J.F., Holloway, J.P. Thermionic diode materials selection and performance for fusion reactor power applications 4−62319
Stubbs, A.R. *see* Somers, M.L. 4−38689
Stubbs, D.A. *see* Bar-Cohen, Y. 4−39755
Stubbs, J.D. Need for developing countries to identify the importance of telecommunications to their economic growth 4−53996
Stuber, G., Mark, J.W., Blake, I.F. Sequence acquisition using bit estimation techniques 4−59900
Stubkjaer, K.E., Small, M.B. Noise properties of semiconductor lasers due to optical feedback 4−42647
Stubkjaer, K.E. *see* Small, M.B. 4−53010
Stubstad, J.A., Vichr, M., Fank, F.B. InP IMPATTs for 60 GHz operation 4−58535
Stuchebnikov, V.M. *see* Vyalkov, A.I. 4−55708
Stuchenkov, V.M. *see* Perevodchikov, V.I. 4−34757
Stuchlik, J. *see* Vanecek, M. 4−50061
Stuchly, M.A., Kraszewski, A., Stuchly, S.S. Implantable electric-field probes−some performance characteristics 4−49166
Stuchly, S.S. *see* Stuchly, M.A. 4−49166
Stuck, B.W. An introduction to traffic handling characteristics of bus local area network distributed access methods 4−60520
Stuck, B.W. *see* Arthurs, E. 4−32084, 4−43502
Stuck, B.W. *see* Balaban, P. 4−38431
Stuck, G. *see* Kaplan, S.B. 4−47218
Stuck, G.J. *see* Rajeevakumar, T.V. 4−47220, 4−51215
Stucker, W. *see* Forster, O. 4−34728
Studemann, W. *see* Wilken, B. 4−55987
Studenikin, S.A., Skok, E.M. Two-phonon oscillations of the photoresistance of *n*-type InSb in a magnetic field 4−42461
Studer, N., Schmidt, C. An electron crosslinking center for insulated wire and cable 4−58579
Studer, R.M., de Figueiredo, R.J.P., Moschytz, G.S. An algorithm for sequential signal estimation and system identification for EMG signals 4−33847
Stuffle, R.E. *see* Artale, L.A. 4−42025
Stuhlinger, E. Electric automobiles−ready for the market? 4−40563
Stukalov, V.F. *see* Lopukhov, S.N. 4−58096
Stukas, V. *see* Wong, C.S. 4−44924
Stukas, V.J., Wong, C.S. Accurate and precise analysis of trace levels of Cu, Cd, Pb, Zn, Fe and Ni in sea water by isotope dilution mass spectrometry 4−44925
Stukovnik, I., Pozne, A. Some properties of signal flow graphs 4−46114
Stull, M. *see* Holloway, H.E. 4−54451
Stuller, J.A. Correction to 'Two-dimensional Markov representations of sample images' (Oct 76 1148-1152) 4−53898
Stumbough, L. *see* Abramson, P. 4−46653
Stumm, W. A review of the integration of microcomputers into eddy current test-lines 4−33098
Stump, K.B. *see* Hedin, R.A. 4−34029
Stumper, U. Six-port circuits for the determination of scattering coefficients (S-parameters) 4−39289
Stumper, U., Hinken, J.H., Richter, W., Schiel, D., Grimm, L. Experimental investigation of a new spectrometer comprising a Josephson junction 4−42295
Stumpers, F.L.H.M. The history, development, and future of telecommunications in Europe 4−54045
Stupak, M.F. *see* Krivoshchekov, G.V. 4−37461, 4−53029
Stupel, A.I. *see* Nosik, L.P. 4−40318
Sturkova, R.I. *see* Shinev, H.D. 4−42832
Sturm, J.C., Giles, M.D., Gibbons, J.F. A three-dimensional folded dynamic RAM in beam-recrystallized polysilicon 4−42163
Sturm, J.C. *see* Gibbons, J.F. 4−42174
Sturman, J.C. *see* Zana, L.M. 4−42806
Sturtz, J.P. *see* Wimpee, L.C. 4−33897
Sturza, M.A. Digital signal processing techniques for GPS receivers 4−38732
Stus', Yu.F. Effect of the Gaussian structure of laser beams on the accuracy of laser gravimetric measurements 4−31523
Stusser, D.I. Keeping a dogged watch on telephone use 4−60380
Stutt, C.A. *see* Rustay, R.C. 4−32623

Stutzman, W.L., Bostian, C.W., Tsolakis, A., Pratt, T. Ice depolarization on low-angle 11 GHz satellite downlinks 4—31662
Stutzman, W.L. *see* Pratt, T. 4—31658, 4—31660
Stutzman, W.L. *see* Towner, G.C., III 4—32721
Stutzman, W.L. *see* Yon, K.M. 4—53208
Stwalley, W.C. *see* Bahns, J.T. 4—37289
Stygar, W.A. *see* Leeper, R.J. 4—33772
Stymne, P. High voltage direct current—effectiveness for high power transmission over long distances 4—39849
Stymne, P. A record length of power cable through jungle and savannah 4—39892
Styrikovich, M.A., Belova, A.M., Rassokhin, N.G., Khainson, Ya.I., Chernavski, S.Ya. Covering the intermediate part of the electric load curve: future prospects 4—39966
Styrikovich, M.A., Kononov, Yu.D. Methodological problems of long-range energy development and its interrelations with the economy 4—39984
Stys, L.E. *see* Serdyuk, V.V. 4—46821
Stys, Z.S. *see* Czeratzki, A. 4—49753
Stysin, V.E., Tikhomirov, S.V., Tyutyunnik, V.G. Measurement of the linearity of the light characteristics of photodiodes 4—52800
Stysin, V.E. *see* Kostin, V.A. 4—55488
Su, C., Rohdin, H., Stolte, C. 1/f noise in GaAs MESFETs 4—36635
Su, C.B., Olshansky, R., Manning, J., Powazinik, W. Carrier dependence of the radiative coefficient in III-V semiconductor light sources 4—31370
Su, C.B., Olshansky, R., Manning, J., Powazinik, W. Temperature dependence of threshold current in III-V semiconductor lasers: experimental prediction and explanation 4—42614
Su, C.B. *see* Olshansky, R. 4—59530
Su, G. Signal subspace analysis and improvement of spectral estimation algorithms 4—53696
Su, J.C. *see* Eger, T.E. 4—59976
Su, L.M. *see* Schmitt, F. 4—52066
Su, L.S. *see* Hsia, L.C. 4—38991
Su, L.S. *see* Kirk, J.P. 4—41935
Su, L.-S. *see* Hsia, L.-C. 4—36681
Su, Y.-g., Fang, L. A preliminary optical design for a microscopy beam line at Hefei 4—55800
Su, Y.G. *see* Tatchyn, R. 4—36378
Su Baorong *see* Jiang Zhonghong 4—59673
Su Baorong *see* Wang Zheen 4—37323
Su Bogong The implementation and preliminary evaluation of global microcode compaction 4—59929
Su Ching-shen *see* Ching-shen Su
Su De-fu Multistep methods for functional differential equations of neutral type 4—57982
Su Hsien-yu, Kuo Lu-jung The optical image subtraction and pseudo-colour displaying of image difference 4—53794
Su Jinwen, Si Guoliang, Ye Miaogen Pump absorption efficiency of the optically pumped submillimeter (SMM) laser 4—59418
Su Jinwen, Ye Miaogen, Shi Guoliang, Shi Chengliang A CR FIR optically pumped laser using CH_3OH, HCOOH or CH_3F 4—59416
Su Shian-Jang *see* Shian-Jang Su
Su Wen *see* Wang Dao 4—59407
Su Xinzhi *see* Zhu Dayong 4—31449
Su Yan-guang, Shi Xing-rong A scheme of high-speed real time DFT operation for radar signal processing 4—48496
Su Yao-wen A fast discharge excimer laser with symmetric geometry 4—47403
Suarez, L.E. Simple parabolic theory [for antenna design] 4—37711
Suarez de Lezo, J. *see* Kindelan, M. 4—49270
Suarez Guerra, S. Signal processing in real time with microprocessors, and its application to voice analysis 4—37885
Suarez Guerra, S. The system of analysis of signals by microprocessor. I 4—37919
Suarez Guerra, S. Systems of signal analysis by microprocessors. II 4—39099
Subandhi, T. *see* Ward, B. 4—49290
Subasic, D. Basic characteristics of siting permission for nuclear power plants 4—62284
Subba Rao, B.V. *see* Chandra Mouly, M.C. 4—37786
Subba Rao, G.V. *see* Subramanian, M.A. 4—46833
Subba Rao, V. *see* Safiuddin, M. 4—57426
Subbarao, W.V., Amezqueta, H., Vallejo, P. An inexpensive IC and component test system 4—61204
Subbotin, A.I. Generalization of the main equation of differential game theory 4—40910
Subbotin, Yu.N. *see* Klimenko, Yu.M. 4—46373
Subhash, N., Sathianandan, K. Thermal effects in a Nd:glass laser rod pumped in a double circular close-coupled cavity 4—31453
Subhasish Datta Gupta *see* Datta Gupta Subhasish
Subias, M.P. *see* del Pozo, F. 4—49131
Subiyama, K. *see* Kuwabara, K. 4—57310
Sublette, J.M. Multiple output feedback sensing 4—35626
Subrahmanyam, P. *see* Katz, R. 4—42109, 4—50910
Subrahmanyam, P.A. Transformation systems for software-hardware design: language and system design issues 4—52251
Subrahmanyam, T.V.B. *see* Kumar, A. 4—42352
Subrahmanyam, V., Gopalakrishnan, N. On the performance characteristics of a synchronous motor fed from a voltage source inverter 4—34962
Subrahmanyam, V. *see* Mouly, V.S.R.K. 4—34643
Subramaniam, P. Solution of $\nabla^2\delta-\alpha\delta=\beta$ in a rectangle using infinite network theory 4—36522
Subramaniam, P. Table models for timing simulation [of MOSFETs] 4—52142
Subramanian, A.K., Wilbur, J. Power system security functions of the energy control center at the Orange and Rockland Utilities 4—49635
Subramanian, D.V. *see* Sharma, R.V. 4—31648
Subramanian, M.A., Clearfield, A., Umarji, A.M., Shenoy, G.K., Subba Rao, G.V. Synthesis and solid state studies on $Mn_2Sb_2O_7$ and $(Mn_{1-x}Cd_x)_2Sb_2O_7$ pyrochlores 4—46833
Subramanian, R. *see* Beckmann, M.J. 4—40885
Subramanian, S., Bhattacharya, P.K. Anomalous light sensitivity of organometallic VPE $Al_xGa_{1-x}As$ 4—47330
Subramanyam Naidu, R., Gopalan, M.N. On the stochastic behaviour of a 1-server 2-unit system subject to arbitrary failure, random inspection and two failure modes 4—46001
Subramanyam Naidu, R., Gopalan, M.N. *s*-expected number of inspections and repairs of a one-server *n*-unit system subject to random inspection 4—46002
Subramanyam Naidu, R., Gopalan, M.N. *s*-expected number of inspections and repairs of a one-server two-unit system subject to arbitrary failure 4—57876
Subramanyam Naidu, R., Gopalan, M.N. *s*-expected number of inspections and repairs of a single server *n*-unit system subject to arbitrary failure 4—57877
Sucena Paiva, J.P., Alegria, C.M., Pinto Sa, J.L. Microcomputer-based distribution substation controller 4—34724
Sucena Paiva, J.P. *see* Alegria, C.M. 4—62617
Suchanski, M. Importance of carrier exchange to SW communications reliability 4—60652
Suchanski, M.R. *see* Sandifer, J.R. 4—57309
Sucharzewska, E. *see* Kamler, J. 4—44216
Suche, H. Parametric amplification and oscillation 4—37471
Suchik, V.E. *see* Denisyuk, S.P. 4—50907
Suchik, V.E. *see* Zhuikov, V.Ya. 4—45535
Suchkov, P.I. *see* Vtyurin, Yu.N. 4—40680
Suchodolski, J. Radiotelephone communication in trains of Polish State Railways 4—60395
Suchomel, R.R. *see* Scheidecker, R.W. 4—41109
Suchoski, P.G. *see* Ramaswamy, V. 4—47259
Suchwalko, J. *see* Lewandowski, W. 4—61448
Suciu, M. *see* Dascalu, D. 4—47003
Suck, Th. *see* Simon, M. 4—39432
Suckfull, H.M. Evolution of EWSD during the eighties 4—32579
Suckling, C.W., Williams, M.J., Bambridge, T.B., Pengelly, R.S., Vanner, K., Butlin, R.S. An S-band phase shifter using monolithic GaAs circuits 4—30064
Suckling, C.W. *see* Rigby, P.N. 4—29691
Suckling, C.W. *see* Swift, J.B. 4—30120
Suda, A., Kannari, F., Obara, M., Fujioka, T. Theoretical simulation of intense-electron-beam excited rare-gas halide lasers 4—31336
Suda, H., Chida, K., Sudo, S. High rate fabrication technique for VAD optical fiber preforms 4—52593
Suda, H., Imai, H. A filtering method using reliability information obtained from decoding of error-control codes 4—31999
Suda, S. *see* Kobayashi, H. 4—60461
Suda, T., Miyahara, H., Hasegawa, T. Performance evaluation of a packetized voice system—simulation study 4—32090
Suda, T. *see* Hasegawa, T. 4—32498
Suda, T. *see* Nakamura, I. 4—61711
Suda, Y. *see* Suzuki, K. 4—61276
Suda, Y. *see* Tanuma, C. 4—52347
Sudakov, E.N. *see* Svidchenko, A.I. 4—45758
Sudan, L. Mux ado about multiplexers 4—48323
Sudan, R.N. Neutralization of a propagating intense ion beam in vacuum 4—42770
Sudarkin, A.N. *see* Mamaev, A.V. 4—53060
Sudarshan, T.S. *see* Lewis, J. 4—30824
Suddards, A.D. *see* Rothman, M. 4—50171
Suddarth, S. *see* Johnson, G.A. 4—49157
Suddath, J.H. *see* Arndt, G.D. 4—38096
Sudeiko, G.I. *see* Grashchenkov, N.F. 4—51000
Sud'enkov, Yu.V. *see* Abramovich, A.A. 4—39756
Sudhakar Rao, K. Radiation characteristics of shaped conical horns 4—59861
Sudhaker, R. *see* Agarwal, R.C. 4—53615
Sudo, E. *see* Yajima, H. 4—52548
Sudo, H. *see* Kanamori, S. 4—52030
Sudo, S. *see* Suda, H. 4—52593
Sudworth, J.L. The sodium/sulphur battery 4—34850
Sue, M.K. Interference susceptibility of a typical deep space network receiving system 4—37587
Sue Chung Kwang *see* Kwang Sue Chung
Suehiro, N. Cross-correlation functions for quadratic-phase sequences with different periods 4—59898
Suehiro, Y., Yoshino, M., Iiyama, K., Matsushita, S. Small optical digital link 4—32812
Suehiro, Y. *see* Ishii, J. 4—30782
Suehiro, Y. *see* Tojo, M. 4—31137
Suehle, J.S., Linholm, L.W., Kafadar, K. Minimum test chip sample size selection for characterizing process parameters 4—30687
Suehle, J.S., Linholm, L.W., Kafadar, K. Minimum test chip sample size selection for characterizing process parameters 4—36832
Suekane, R. *see* Suzuki, Y 4—31873
Suematsu, Y., Iga, K., Kishino, K. Double-heterostructure lasers 4—31399
Suematsu, Y. *see* Asada, M. 4—52976
Suematsu, Y. *see* Bruberg, B. 4—59516
Suematsu, Y. *see* Kikushima, K. 4—31398
Suematsu, Y. *see* Koyama, F. 4—37365
Suematsu, Y. *see* Tanbun-Ek, T. 4—31385
Suemitsu, M., Suzuki, Y., Miyamoto, N. EPR study on Cr^{2+} distribution in LEC GaAs:Cr wafers 4—51771
Suemitsu, T. *see* Kawashiro, S. 4—47124
Suemori, N. *see* Harakawa, T. 4—60433
Suemune, I., Nonomura, K., Yamanishi, M., Mikoshiba, N. 4-5 μm emissions from InGaAsP/InP lasers—evidence for excitations in split-off valence band 4—53017
Suemune, I. *see* Yamanishi, M. 4—52823
Suen, C.D. *see* Chen, J.Z. 4—49036
Suen, C Y., Wang, Q.R. ISOETRP—an interactive clustering algorithm with new objectives 4—32042
Suen, C.Y. *see* Zhou, S.M. 4—47808
Suenaga, M., Tsuchiya, K., Higuchi, N. Superconducting critical current density of bronze processed pure and alloyed Nb_3Sn at very high magnetic fields (up to 24 T) 4—37044
Suenaga, T. *see* Hamada, M. 4—31016
Sueoka, K. *see* Enpuku, K. 4—31079, 4—58334
Suetake, K. Education in Japan, 2000 AD 4—48621
Suetake, M. *see* Kawakubo, T. 4—61666
Suetens, P., Gybels, J., Oosterlinck, A., Haegemans, A., Dierckx, P. A three-dimensional image of the cerebral blood vessels and tumor for use in stereotactic neurosurgery 4—49283
Sueyoshi, T., Naono, H., Kawanami, M., Anemiya, M., Hayama, H. Morphology of iron fine particles 4—30946
Suffel, C.L. *see* Chirlian, P.M. 4—38020
Sugahara, H. *see* Tsutsumi, K. 4—30945
Sugahara, K., Hasegawa, T., Takasawa, S. A method for determining the computable ordering for the simulation of a digital network 4—41273
Sugahara, K., Hayashi, K., Hirano, K., Mitra, S.K. N-path digital filters 4—51465
Sugahara, R. *see* Ogawa, A. 4—33688
Sugahara, R. *see* Ogawa, K. 4—33682, 4—61670
Sugai, M., Miyata, M., Shirakawa, M., Suzuki, M., Nishihara, E., Aoki, K., Kawasaki, S. 2 micron CMOS digital signal processors 4—58387
Sugai, S. Data logger for power plant 4—44456
Sugano, T. Recent advances in semiconductor devices, materials and processing technologies 4—46785
Sugano, T. *see* Haneji, N. 4—58882
Sugano, T. *see* Ho, V.Q. 4—46966
Suganuma, K. *see* Iwamura, J. 4—58427
Sugasawara, S. Laser direct photoplotting without aperture wheels 4—51651
Sugata, S. *see* Asakawa, K. 4—30523
Sugata, S. *see* Tsukada, N. 4—36482
Sugawara, A. *see* Ono, M. 4—31645
Sugawara, H. *see* Fujimori, H. 4—36998
Sugawara, J. *see* Sato, S. 4—31189
Sugawara, M. *see* Sakai, T. 4—34069
Sugawara, S. *see* Imamura, S. 4—36156, 4—46912
Sugawara, Y., Shinohara, H. Calculation formulas of the messenger wire of a self-supporting optical fiber cable 4—54760
Sugaware, Y., Kamei, T., Hosokawa, Y., Okamura, M. Practical size limits of high voltage ICs 4—36812
Sugaya, S. *see* Shiraishi, K. 4—37179
Sugeno, K. *see* Yamada, K. 4—32528
Sugeta, T. *see* Imai, Y. 4—50992
Sugeta, T. *see* Ito, H. 4—47013
Sugeta, T. *see* Tajima, J. 4—41591
Sugeta, T. *see* Takanashi, Y. 4—52115
Sugeta, T. *see* Tomizawa, M. 4—36589
Sugi, K. *see* Kojima, S. 4—57603
Sugi, M. Organic monomolecular films and their applications 4—41944
Sugie, T. *see* Saruwatari, M. 4—38628
Sugihara, K. An algebraic approach to shape-from-image problems 4—43403
Sugihara, K. An algebraic and combinatorial approach to the analysis of line drawings of polyhedra 4—57920
Sugihara, K., Takei, K., Hagiwara, H., Nakamura, S., Kunisaki, T. Thermoelectric power of mercury (II) iodide thiocyanate 4—58754
Sugihara, K. *see* Takei, K. 4—58753

Sugihara, T. *see* Hijikigawa, M. 4—33976
Sugii, K. *see* Kinoshita, K. 4—35459
Sugii, K. *see* Kubota, E. 4—46206
Sugii, M. Discharge pumped $HgBr_2$/HgBr dissociation laser 4—42537
Sugimoto, H., Tamai, S., Yano, M., Sato, K. A fast-response system for low-inertia induction motors 4—62563
Sugimoto, H. *see* Saburi, Y. 4—44198
Sugimoto, I. *see* Takahashi, H. 4—59232
Sugimoto, K. *see* Asahi, K. 4—39417
Sugimoto, M. *see* Nakatsuyama, M. 4—55306
Sugimoto, S., Matsuoka, K., Ichioka, Y. Image processing system with time shared multiframe data bus architecture: MFIP 4—53878
Sugimoto, S. *see* Kobayashi, M. 4—55822
Sugimoto, T., Sohkura, K. Studies on hydrazine-air fuel cells with direct fuel supply systems. III. Direct fuel supply systems 4—34865
Sugimoto, T. *see* Enamito, S. 4—62408
Sugimoto, Y., Torikai, T., Makita, K., Ishihara, H., Minemura, K., Taguchi, K., Iwakami, T. High-speed planar-structure InP/InGaAsP/InGaAs avalanche photodiode grown by VPE 4—52792
Sugimoto, Y. *see* Fujiwara, M. 4—60843
Sugimoto, Y. *see* Ishihara, H. 4—52793
Sugimura, A. Threshold currents for AlGaAs quantum well lasers 4—42639
Sugino, N. *see* Okano, K. 4—54203
Sugino, T., Kuo-Liang Chen, Shyh Wang Longitudinal mode behaviour in a separately pumped, multiple twisted double-heterostructure laser 4—59494
Sugino, T., Wang, S. Twisted double-heterostructure GaAs-(AlGa)As laser 4—37384
Sugisaka, M., Kalata, P., Fischl, R. Approximate initial-value solutions to a nonlinear Fredholm integral equation with semidegenerate covariance kernels in optimum receiver design 4—60027
Sugita, K. *see* Kobayashi, H. 4—44106
Sugita, Y. *see* Hosoe, Y. 4—30970
Sugiura, A. *see* Kawana, T. 4—44577
Sugiura, I. *see* Iwami, T. 4—35008, 4—35013
Sugiura, K. The effect of SPS on terrestrial electromagnetic environments [satellite power systems] 4—31631
Sugiura, N. Ionospheric effects accompanying high-power microwave transmissions 4—31651
Sugiura, O. Analytical method to obtain the performance of three phase induction motor with asymmetrical secondary 4—56997
Sugiura, O. Analysis of three phase induction motor with breaking of rotor-bar 4—56998
Sugiura, S., Yoshida, T., Shono, K., Dumin, D.J. Current-voltage characteristics of a Si-BP-Si double heterojunction 4—41863
Sugiura, T., Honjo, K., Tsuji, T. 12 GHz-band GaAs dual-gate MESFET monolithic mixers 4—30104
Sugiura, T. *see* Tanaka, A. 4—50744
Sugiura, Y., Nojiri, Y., Okada, K. HDTV laser-beam recording on 35 mm color film and its application to electro cinematography 4—61105
Sugiura, Y. *see* Ishii, J. 4—30782
Sugiyama, F. *see* Kawasaki, T. 4—32296
Sugiyama, H. An inter-extrapolation formula in sampling theorem for band-limited distributions 4—43367
Sugiyama, H., Koike, K., Kawamoto, K., Umezu, T., Sakai, T. Automatic monitoring DC power supply system [PANA MONITOR] 4—55217
Sugiyama, K. Properties of CdTe films grown on InSb by molecular beam epitaxy 4—46823
Sugiyama, M., Shikano, K. WLR measure applied to spoken word recognition 4—31913
Sugiyama, M., Shikano, K. Centroids for LPC spectral matching measures and their application to word recognition 4—31923
Sugiyama, M. *see* Aikawa, K. 4—53475, 4—59961
Sugiyama, N., Shimozuru, Y. Characteristics of bundle fibers of silica glass or compound glass 4—31149
Sugiyama, N. *see* Kaji, Y. 4—58424
Sugiyama, T. *see* Iwaoka, H. 4—44720
Sugiyama, Y. *see* Hirasawa, S. 4—43099
Sugiyama, Y. *see* Matsushita, K. 4—50773
Suhara, H. *see* Nishino, S. 4—50831
Suhua, Z. *see* Zouqing, W. 4—52404
Suierveld, J. *see* Lahiri, S.K. 4—51670
Suitang Zhao *see* Zhao Suitang
Suk, D., Carlstedt, G. Hierarchical emulation of well-coded programs through the use of streams of instructions buffered in on-chip associative memories and distributed control 4—51258
Suk, M., Cho, T.-H. An object-detection algorithm based on the region-adjacency graph 4—60205
Suk Kim Chang *see* Chang Suk Kim
Suk Lim Young *see* Young Suk Lim
Suk Min Soo *see* Min Soo Suk
Sukegawa, K. *see* Imamura, S. 4—46912
Sukegawa, T., Mizuki, T., Tanaka, A. p(Ga,Al)Sb/lightly-doped n(In,Ga)Sb heterojunction photodiode 4—59335
Sukegawa, T. *see* Tanaka, A. 4—50744
Sukhanov, A.A., Sandomirskii, V.B., Tkach, Yu.Ya. Theory of static current-voltage characteristics of ballistic metal-insulator-semiconductor transistors 4—42069
Sukhanov, I.I., Troitskii, Yu.V. Steady state synchronisation of lateral modes in a gas laser 4—31288
Sukhanov, V.B. *see* Loktyushin, A.A. 4—42605
Sukhanov, V.L. *see* Berkovskaya, K.F. 4—55493
Sukharev, B.V. *see* Kandidova, O.V. 4—42743
Sukharev, B.V. *see* Vasilenko, P.G. 4—42421
Sukharev, M.M. *see* Borodin, V.E. 4—61716
Sukhareva, L.K. *see* Antipenko, B.M. 4—31362, 4—37348
Sukharevskii, O.I. Influence of dielectric housing coating diaphragms on the side radiation of an antenna system 4—42978
Sukhenko, E.P. Highly sensitive infrared visualizer using liquid crystal temperature-indicator films which does not require thermostatting 4—55270
Sukhorukov, A.P. *see* Gerasimov, B.P. 4—37460
Sukhorukov, V.M. *see* Rozhentsev, V.S. 4—33131
Sukhov, B., Lazarou, M. Solid-state silicon servo accelerometer 4—33145
Sukhov, M.Yu. *see* Stas'ev, V.P. 4—47441
Sukhov, V.G. *see* Vainberg, M.Sh. 4—56174
Sukhov, V.Yu. *see* Shnyakin, A.V. 4—34428
Sukhov, Yu.M. *see* Kel'bert, M.Ya. 4—60284
Sukhvalo, S.V. *see* Indosova, V.M. 4—29447
Sukmanov, V.A. *see* Grig'oreva, V.A. 4—56698
Sukumar, S. *see* Swarup, G. 4—44194
Sul, S.K. *see* Park, M.H. 4—40241
Sulak, L.R. *see* Jones, T.W. 4—55811
Sulakshin, A.S. Limiting current leakage from a relativistic magnetron 4—51707
Suleman, U. *see* Giuliani, S.W. 4—51217
Sulima, A.V. *see* Vinogradov, S.S. 4—59735
Sulima, O.V. *see* Andreev, V.M. 4—40447
Sulimanov, A.A. *see* Tuzov, G.I. 4—37936
Sulimov, V.B. *see* Grudinin, A.B. 4—31139
Sul'kin, A.G. *see* Sul'kin, G.A. 4—33860
Sul'kin, G.A., Zaitseva, N.V., Sokolov, V.G., Sul'kin, A.G. Transporter choice for a multipurpose intracavity gamma therapy apparatus 4—33860
Sulley, J.L., Holding, N.L. Optimum economic penetration of aerogenerators into small island systems 4—34547
Sulley, J.L., Moffatt, A.M., Barlow, J.M. Technical aspects of integrating wind and wave generation sources into small island systems 4—34487
Sullivan, A., Turner, W.C. Low cost, lightweight, single axis tracking system for unmanned vehicle application 4—53307
Sullivan, B.J., Liu, B. Extrapolation of discrete-time band-limited signals using singular value decomposition with decimation 4—60094
Sullivan, D.J., Tajima, T. High energy particle acceleration by a laser beatwave 4—61605
Sullivan, J.F. Diffusion process for improved ceramic-to-metal bond 4—29265
Sullivan, J.F. *see* Ainslie, N.G. 4—35312
Sullivan, J.F. *see* Palmateer, P.H. 4—36401
Sullivan, J.L. *see* Cavanaugh, J.R. 4—32258
Sullivan, M.D. *see* Preziotti, G.R. 4—48383
Sullivan, P.W. Single crystal SrF_2 on GaAs(001)—an electron beam resist and dielectric for insulator/semiconductor structures 4—51886
Sullivan, R.L., Hashemi, N. Assessing the benefits of residential direct load control 4—62056
Sullivan, R.L. *see* Berg, S.V. 4—34045
Sullivan, R.S. *see* Baughman, M.L. 4—56436
Sullivan, V. *see* O'Shea, T. 4—30929
Sullivant, E. 10 GHz ATV the easy way [radio-communication] 4—60644
Sulnier, G.J., Das, P., Iltis, R.A., Milstein, L.B. A CCD implemented adaptive filter for estimation and suppression of narrowband interference in a PNB spectrum receiver 4—35974
Sultan, M. *see* Sobhi, M. 4—34366
Sultan, N., Moody, M.H., Whelpton, J., Hodgson, C.B. Design of concentric helical antennas for maximum gain and isolation over wide frequency separation 4—37752
Sultan, N., Payne, W.F., Jeffrey, G.I., Carter, D.R. Optimization and conceptual design of demonstration military and civilian mobile satellites using existing buses 4—38561
Sultanaev, R.M. *see* Kiselev, V.I. 4—55641
Sultanov, N.L. *see* Kopach, E.N. 4—39812
Sultanov, T.T. *see* Zubov, V.A. 4—60154
Sultanova, N., Kasprzak, H. Variations of film nonlinearities in respect to the reconstruction wavelength 4—37490
Sultanyan, G.T., Shakhkamyan, S.S., Shakhkamyan, A.S. Digital portable thermometric millivoltmeter of the SHCH 451 type 4—33366
Sulzer, M.P., Woodman, R.F. Quasi-complementary codes: a new technique for MST radar sounding 4—49470
Sumanth, D.J., Yavuz, F.P. A formal approach to productivity planning in companies 4—57769
Sumar, S.A. *see* Allan, R.N. 4—34125
Sumarokov, M.A. *see* Golikova, E.G. 4—52818
Sumerin, V.V. *see* Abil'siitov, G.A. 4—59389
Sumida, M., Takemoto, K. Lens coupling of laser diodes to single-mode fibers 4—52563
Sumida, S. *see* Hatano, S. 4—59250
Sumida, S. *see* Kokubun, T. 4—59251
Sumida, W. *see* LeBlanc, M. 4—56204
Sumikawa, S. *see* Kouguchi, N. 4—44184
Sumin, V.V., Kanepit, V.N., Solov'ev, S.P. Improvement of the resolution of a time-of-flight neutron spectrometer with a reciprocal filter, using a pyrographite crystal analyzer 4—49097
Suminov, V.M., Panfilova, E.E., Shanin, V.I. Interference-holographic inspection of the resonators of frequency pressure transducers 4—42740
Sumita, S. Analysis of single server preemptive priority queues with a renewal process as high-priority input stream 4—46085
Sumiya, K., Higashi, H., Kitahata, S., Nakamae, K., Matsumoto, T. Perpendicular orientation of magnetic powder 4—30967
Sumiya, S. *see* Nishinoma, M. 4—54759
Sumiyoshi, F. *see* Kawashima, T. 4—42284
Sumiyoshi, F. *see* Yamafuji, K. 4—31056
Sumiyoshi, H. *see* Tanimoto, M. 4—43946
Sumiyoshitani, S., Hara, M., Akazaki, M. Direct observation of the collection process for dust particles from an air stream by a charged water droplet 4—47558
Summerfield, S., Butcher, P.N. Low-frequency hopping conductivity in amorphous semiconductors 4—51739
Summerfield, S. *see* Ehinger, K. 4—51797
Summers, C.J., Meeks, E.L., Cox, N.W. Molecular beam epitaxial growth of CdTe, HgTe, and $Hg_{1-x}Cd_xTe$ alloys 4—50764
Sumner, G. *see* Sparks, L. 4—61925
Sumner, T.J., Smith, P.D., Rochester, G.K., Sood, R.K. After-pulses from drift chambers 4—61691
Sun, C., Chang, K., Simonutti, M. EHF solid state transmitter and receiver technology 4—44050
Sun, C. *see* Chang, K. 4—30115, 4—41604
Sun, C.R. *see* Baker, S.I. 4—33727
Sun, C.Y. *see* Hsu, H.J. 4—35455
Sun, H.F., Goldberg, M. An adaptive block coding scheme [image processing application] 4—32071
Sun, H.H. *see* Onaral, B. 4—49110
Sun, J.P. *see* Mains, R.K. 4—58522
Sun, J.Y.-C. *see* Sah, C.-T. 4—30436
Sun, M. *see* Alves, R.V. 4—61575
Sun, P.K., Chiou, C.F. Analog master chip—a versatile analog array 4—59004
Sun, R.K. UV-radiation of enriched Hg-isotopes and their mixtures in a low pressure mercury-argon discharge 4—30241
Sun, Y.L. *see* Fischer, R. 4—29478, 4—52987
Sun, Y.L. *see* Masselink, W.T. 4—51816
Sun Birou *see* Shen Jian 4—45586
Sun Birou *see* Yang Hongjun 4—50020
Sun Che On the error estimates of finite element methods for some quasi-linear diffusion equations with mixed boundary conditions 4—40985
Sun Chengyan *see* Yu Keming 4—31269
Sun Dafang *see* Gong Desheng 4—31305
Sun Dianzhao *see* Kong Meiying 4—46217
Sun Gan *see* Xiong Guangcheng 4—47210
Sun Hong-sheng Design principle of the speech broadcasting system for a long range 4—59949
Sun Hong-Sheng, Li Jian-Shan, Zhang Kuo-Ji, Kang Xi-Quan Air-modulated sound source and experimental investigation of the speech intelligibility in long distance broadcasting 4—48661
Sun Hongzhao *see* Li Jingwen 4—33616
Sun Ji-guang On the perturbation of the eigenvalues of a normal matrix 4—57891
Sun Jian *see* Wu Weimin 4—47631
Sun Ke, Feng Yuan-bing, Luo He-lie, Li Shi, Shao Han-Ru Mossbauer studies of the metallic iron powders used as high density magnetic recording material 4—52444
Sun Kun *see* Liu Bekuan 4—31534
Sun Luorui, Winn, M.M. A small cosmic ray air shower array using plastic scintillators and a NIM/CAMAC recording system 4—55835
Sun Mi Jeon, Soo Joong Kim A proposal of the directed product graph and its applications to network analysis. I 4—50884
Sun Rongchuan, Zhang Wenzhen, Qiu Jizhan, Ding Changrong, Xu Chenghuang Preparation of doped-KCl single crystals as color center laser material 4—29440
Sun Shundi *see* Tu Shigu 4—31295
Sun Simin *see* Wu Zhimei 4—54332
Sun Tongqiong *see* Dai Jixin 4—58512
Sun Wann-Joe *see* Wann-Joe Sun
Sun Wei *see* Yao Zhixin 4—59398
Sun Xiangdong *see* Shangguan Cheng 4—31297
Sun Xianghai *see* Yan Zhen 4—49360
Sun Xuwen *see* Xie Jingshan 4—46864
Sun Yizhu *see* Huang Ruiping 4—59406
Sun Yongqiang *see* Ye Zhijiang 4—57973
Sun Yoon Chang *see* Chang Sun Yoon
Sun Yu-ping, Liang Jun-hou, Ge Huang, Liang Jiu-chun The fabrication of a Nb-notorys microbridge by using SEBL 4—37056
Sun Yuanshan, Yao Xixian I-V characteristics of superconductive tunnel junctions driven by DC or AC current 4—42289
Sun Yun-gong Polynomial approximation of the Wiener filtering and adaptive lattice filter 4—60017

Sun Yuping, Liang Junhou, Ge Huang, Liang Jiuchun The fabrication of Nb-Notorys microbridge using SEBL 4—47212
Sunada, T. *see* Chikawa, J. 4—29438
Sunaga, Y. *see* Watanabe, T. 4—53182
Sunami, H., Kawamoto, Y., Shimohigashi, K., Hashimoto, N. Improved planar isolation with buried-channel MOSFETs 4—47133
Sunami, H., Kure, T., Hashimoto, N., Itoh, K., Toyabe, T., Asai, S. A corrugated capacitor cell (CCC) [for MOS DRAM] 4—46456
Sunami, H. *see* Itoh, K. 4—51249
Sunami, H. *see* Miyake, K. 4—46945
Sunami, H. *see* Wada, Y. 4—36864
Sunatori, G.S., Berezin, A.A. Effect of thermal annealing on optical and electrical properties of RF sputtered amorphous silicon 4—41846
Sundara Murthy, K.M.S., Feher, K. Power spectra of generalized digital FM signals by modified matrix 4—43383
Sundaram, K.B., Garside, B.K. Controlled doping of RF sputtered germanium films 4—41951
Sundaram, S. *see* Ramakrishnan, S. 4—55724
Sundararajan, V. *see* Sharif, M.N. 4—45921
Sundberg, C.E. *see* Svensson, A. 4—31847, 4—31854
Sundberg, C.-E., Wong, W.C., Steele, R. Weighting strategies for companded PCM transmitted over Rayleigh fading and Gaussian channels 4—43974
Sundberg, C.-E. *see* Aulin, T. 4—43381
Sundberg, C.-E. *see* Lindell, G. 4—31888, 4—43173, 4—43195, 4—47748
Sundberg, C.-E. *see* Svensson, A. 4—53632
Sundberg, C.-E.W. *see* Goodman, D.J. 4—44017
Sundblad, R. *see* Gustafsson, S. 4—46352
Sundbom, L. *see* Dahlin, H. 4—44771
Sunder, R., Raju, K. Computer analysis of loading data for fatigue evaluation and testing 4—35528
Sunder, R. *see* Wach, D. 4—34330
Sundermeier, B. *see* Rosemann, K.-H. 4—57106
Sundin, L.-G. *see* Bergman, S. 4—54659
Sundmalm, C. *see* Skoog, L. 4—32245
Sundvall, J. *see* Rydin, A. 4—32557
Sung Hae Song *see* Kyoung Ik Cho 4—51833
Sung Kim Choon *see* Choon Sung Kim
Sung Lee Yang *see* Yang Sung Lee
Sung Man-Young *see* Man-Young Sung
Sung Wen-miao, Li Zhen-huai Large signal theory and computation for coupled-cavity TWTs 4—51708
Sung Yang Bang *see* Byung Kwan Park 4—47763
Sung-Won-Rhee, Young-Ahn Kwon Characteristics of synchronous generator with static power converter 4—49851
Sungurovskii, M.A. *see* Kuznetsov, V.M. 4—58171
Suni, I. *see* Ho, K.T. 4—58029
Suni, I. *see* Kung, K.T.-Y. 4—41893
Suni, I. *see* Zhu, M.F. 4—51865
Sunier, J.W. *see* Sondheim, W.E. 4—33658
Sunke, L. *see* Kohler, B. 4—39159
Sunnapwar, K.P., Navaneeth, G.N. An accurate ultrasonic delay measuring system 4—55770
Sunouchi, D. *see* Aoto, N. 4—50830
Supnik, B. *see* Beck, J. 4—51304
Supowit, K.J. *see* Reingold, E.M. 4—29749
Suran, L. Development of microprocessors in the CSSR—the component basis of automation 4—51254
Suranyi, G.G. *see* Koehler, D. 4—50888
Surawatpunya, C., Tsutsumi, M., Kumagai, N. Bragg interaction of electromagnetic waves in a ferrite slab periodically loaded with metal strips 4—53258
Surazi, S. *see* Singer, S. 4—34889
Surber, J. *see* Neal, J. 4—41405
Surbrook, T., Reese, N., Kehrle, A. Stray voltage: sources and solutions 4—62182
Surdu, M.N. *see* Grinevich, F.V. 4—55443
Suren, J.N. *see* Basu, M. 4—55958
Suren, J.N. *see* Ghosh, d. 4—33747
Suresh, S. *see* Luo, R.-C. 4—57614
Suri, R. Generalized quick bounds for performance of queueing networks 4—48182
Surikov, P.V. *see* Kirianiki, N.V. 4—55685
Surina, G.A *see* Karpenko, L.N. 4—41642
Surinder Singh, Virk, H.S. Uranium estimation in toothpastes and fruit juices using solid state nuclear track detectors 4—56215
Surinder Singh *see* Singh, N.P. 4—56221
Surjit Singh Bhatti Ultrasonic absorption and velocity measurement techniques in material analysis 4—50845
Surkov, A.S. *see* Ponomarenko, A.G. 4—49999
Surkov, A.V. *see* Skripchenko, A.I. 4—35073
Surkov, M.N. *see* Dmitriev-Zdorov, V.B. 4—53652
Surodin, M.P. *see* Gembitskii, S.L. 4—31389
Surova, M. Receiving broadcasts over the Intervision network 4—60965
Survanshi, S.S. *see* Weathersby, P.K. 4—33809
Survilo, I.K. Comparison of splitting circuits and passive filters of measuring devices 4—56661
Suryan, G. *see* Sreenath, R.N. 4—30590
Suryanarayana, C.V. *see* Juliana, M. 4—34898
Suryanarayana, D. *see* Mittal, K.L. 4—36399
Susa, N., Okamoto, H. Properties of $GaAs/Al_{0.53}Ga_{0.47}As$ avalanche photodiode with superlattice fabricated by molecular beam epitaxy 4—31229
Susa, N. *see* Ando, H. 4—37221
Susa, N. *see* Uwai, K. 4—29477
Susaki, W. *see* Hirano, R. 4—37385
Susaki, W. *see* Oomura, E. 4—53016, 4—59532
Sushko, B.I. *see* Vasilenko, N.D. 4—58026
Sushko, B.K. *see* Bakhtizin, R.Z. 4—33435
Sushkov, V.P. *see* Ermakov, O.N. 4—58028
Sushkova, I.T., Levin, S.M., Alisheva, N.P. Fabrication of polymide fluoroplastic insulation for electric machine windings 4—30869
Suski, L. *see* Jewulski, J. 4—34868
Suski, M. Field radio stations in Polish forces during 1918-1939 years 4—60702
Suslikov, L.M., Gadmashi, Z.P., Slivka, V.Yu. Cadmium thiogallate optical filter 4—59298
Suslonov, S.A. A method of compensating sample interference in digital systems with band compression 4—53655
Suslov, A.M. *see* Parygin, V.N. 4—31187
Suslov, S.G. *see* Glebov, I.A. 4—62488
Susoeff, A.R. *see* Hawke, R.S. 4—42798
Suss, E. *see* Jungst, K.P. 4—61580
Susse, R., Petrovski, I. Transformation of basic filter functions by frequency conversion 4—35931
Sussenguth, E.H. Progress in computer networks 4—54401
Sussenguth, G. *see* Berghofer, W. 4—61891
Susskind, A.K. Why teaching switching theory is necessary 4—29173
Susskind, A.K. Survey of VLSI test strategies 4—52258
Susskind, J., Rosenfield, J., Reuter, D., Chahine, M.T. Remote sensing of weather and climate parameters from HIRS2/MSU on TIROS-N 4—61922
Sussman-Fort, S.E., Narasimhan, S., Mayaram, K. A complete GaAs MESFET computer model for SPICE 4—42056
Sussmann, H., Priemuth, A., Prohl, U. Doping properties of Pb and Ge in Bi_2Te_3 and Sb_2Te_3 4—36436
Sussmann, H.J. The two-dimensional cubic sensor problem 4—46074
Susukida, H. *see* Kuroiwa, D. 4—34203
Sutcliffe, H. Standard specification illustrates bandpass filter theory 4—29993
Sutcliffe, P.L. Lessons learned in the development of the 757/767 flight management system equipment 4—49421
Sutela, T. Thin film electroluminescent displays produced by atomic layers 4—39238
Suter, H. *see* Anderson, L. 4—55989
Sutherland, H.A. *see* Bose, B.K. 4—40545
Sutherland, I.A., White, S., Chambers, G.R., Rothwell, D., Mason, P.W., Tucker, M., Jacobs, H.S. A miniature infuser for the pulsatile administration of LHRH 4—33855
Suthers, M. *see* Streibl, I. 4—52395
Suto, K. *see* Hakamada, Y. 4—48474
Suto, K.-i. *see* Hakamada, Y. 4—38621
Suto, T., Waida, T., Mori, K., Inoue, H. Loading on wheel surface in precision traverse grinding 4—57823
Sutoris, K. *see* Gahura, J. 4—49870
Sutter, R. *see* Massey, J.L. 4—43200
Sutton, G.W. An S-meter calibrator 4—39219
Sutton, J., Powers, J. Bringing new technology to an old industry [display technology in sign industry] 4—61461
Sutton, J.A. Reverse engineering the 80C86 [microprocessor] 4—35838
Suttrop, F. Correct lighting in business 4—45751
Sutu, Y.-H., Whalen, J.J. Statistics for demodulation RFI in operational amplifiers 4—37642
Sutula, R.A. *see* Ferrando, W. 4—40385
Suurballe, J.W., Tarjan, R.E. A quick method for finding shortest pairs of disjoint paths 4—40955
Suvilov, E.V., Shekhvatov, B.V. A hydroacoustic system for the retrieval of bottom and moored oceanographic stations 4—56307
Suvorov, E.V., Khaustov, A.I. The development of sealed-off linear waveguide electron accelerators 4—49051
Suvorov, N.P. Estimation of power gain in optimum coherent reception of coded signals 4—43358
Suvorov, N.P. Estimation of the energy gain during reception of completely coded signals 4—43359
Suvorov, V.M. *see* Bystritskii, V.M. 4—39482
Suvorov, V.N. *see* Amelichkin, V.N. 4—33868
Suvorov, V.V. *see* Basiladze, S.G. 4—61283
Suwa, K., Shimizu, I., Hattori, T. A study of selection diversity for land mobile radio baseband SNR improvements in thermal noise 4—32700
Suwa, M. *see* Onuki, J. 4—30593, 4—30594, 4—58662
Suwabe, T. Packaged air conditioner with heat recovery for computer room 4—45770
Suwanwisoot, W. *see* Kirschen, D. 4—57041
Suwarso Suggestions for open systems interconnection 4—43538
Suya Wang *see* Wang Suya
Suyama, M. *see* Sakuta, Y. 4—29700
Suyama, T. *see* Tani, M. 4—62298
Suyderhoud, H., Corcoran, F.L., Arnstein, D.S., Lewis, H. Investigation of 9.6 kb/s data transmission via a PCM link at 64 kb/s with and without link errors 4—60750
Suzaki, S. *see* Tanbun-Ek, T. 4—31385
Suzen Zhang *see* Zhang Suzen
Suzhedelis, A.V. *see* Ashmontas, S.P. 4—30414
Suzhen Zhan *see* Zhan Suzhen
Suzhen Zhu *see* Zhu Suzhen
Suziki, A. *see* Kasahara, K. 4—31230
Suzuki, A., Inomoto, Y., Hayashi, J., Isoda, Y., Uji, T., Nomura, H. Gbit/s modulation of heavily Zn-doped surface-emitting InGaAsP/InP DH LED 4—31246
Suzuki, A., Makino, T., Yamasaki, M. The MULTI 16 model II personal computer 4—58377
Suzuki, A. *see* Hirota, T. 4—45735
Suzuki, A. *see* Kasahara, K. 4—37227
Suzuki, A. *see* Kikuchi, K. 4—35093
Suzuki, A. *see* Uji, T. 4—52821
Suzuki, C. *see* Kako, N. 4—48841
Suzuki, E. *see* Kawanami, H. 4—59258
Suzuki, H., Shibata, S. Amplitude and frequency modulation distortions of a loudspeaker 4—38948
Suzuki, H. *see* Fukuta, K. 4—52373
Suzuki, H. *see* Hara, T. 4—58955
Suzuki, H. *see* Nakai, T. 4—47807
Suzuki, H. *see* Okada, K. 4—55354
Suzuki, H. *see* Shigaki, M. 4—41603
Suzuki, K., Aoki, T., Ikeda, M., Okada, Y., Zohta, Y., Ide, K. A 220×240 pixel a-Si TFT matrix transmission liquid crystal display 4—55600
Suzuki, K., Saito, T., Suda, Y., Mori, K., Takayama, S., Nakai, T., Takikawa, O. High speed and high resolution contact type image sensor using an amorphous silicon photodetector array 4—61276
Suzuki, K., Urano, K. Standardisation of open type system OSI 4—32397
Suzuki, K. *see* Hanabe, K. 4—38230
Suzuki, K. *see* Kinoshita, K. 4—61735
Suzuki, K. *see* Sato, M. 4—61048
Suzuki, K. *see* Tanigawa, H. 4—61359
Suzuki, K. *see* Yamazaki, S. 4—62704
Suzuki, K. *see* Yanabu, S. 4—34794
Suzuki, M., Chiba, J. Compact field cable antenna for highway advisory radio 4—32706
Suzuki, M., Kashio, J., Toki, R., Kato, T. A proposed adaptive control method for packet transmission delay in packet speech system 4—43258
Suzuki, M., Matsumoto, T., Itoh, K. A study on the asymmetrically driven slot dipole fed by a two-slot transmission line 4—53240
Suzuki, M., Suzuki, M., Miki, N., Nagai, N. A derivation of ARMA coefficients using digital lattice filter 4—41504
Suzuki, M., Suzuki, M., Miki, N., Nagai, N. A design procedure of ARMA spectrum-approximating digital filters realized with reciprocal wave digital filters 4—46585
Suzuki, M., Suzuki, N. Advanced control system for water supply plants 4—50277
Suzuki, M., Wakabayashi, H., Miki, N., Nagai, N. Applications of wave digital filters to branching filters with low coefficient sensitivity 4—41491
Suzuki, M. *see* Akamatsu, M. 4—45712
Suzuki, M. *see* Asai, K. 4—51200
Suzuki, M. *see* Enomoto, Y. 4—38654, 4—48898
Suzuki, M. *see* Hayata, K. 4—31154, 4—47286
Suzuki, M. *see* Hirayama, M. 4—51228
Suzuki, M. *see* Jidai, E. 4—30143
Suzuki, M. *see* Koshiba, M. 4—37695, 4—47655, 4—52568
Suzuki, M. *see* Miyata, K. 4—42948, 4—59875
Suzuki, M. *see* Motoi, K. 4—55167
Suzuki, M. *see* Sakai, T. 4—30752
Suzuki, M. *see* Shibata, S. 4—46738
Suzuki, M. *see* Sugai, M. 4—58387
Suzuki, M. *see* Suzuki, M. 4—41504, 4—46585
Suzuki, M. *see* Suzuki, Y. 4—56725
Suzuki, M. *see* Takeda, T. 4—36808
Suzuki, M. *see* Yatagai, T. 4—58945, 4—61600
Suzuki, N. Design and fabrication of high performance optical connectors 4—32840
Suzuki, N., Nagano, O., Higashiyama, T. High performance optical connectors for subscriber loop systems 4—44104
Suzuki, N. *see* Hagihara, K. 4—29364
Suzuki, N. *see* Matsunaga, Y. 4—55277
Suzuki, N. *see* Nakamura, M. 4—54828
Suzuki, N. *see* Saruwatari, M. 4—38628
Suzuki, N. *see* Suzuki, M. 4—50277
Suzuki, N. *see* Takada, E. 4—30808
Suzuki, N. *see* Takeda, E. 4—36603, 4—36633
Suzuki, R., Hayashizaki, H., Mitani, T., Saga, R. Japanese commercial TDMA system 4—38513
Suzuki, R. *see* Watanabe, K. 4—57510
Suzuki, S. In process measurement by hydrostatic micrometer with soluble type grinding fluids 4—55687
Suzuki, S., Nakao, M., Takeshima, T., Yoshida, M., Kikuchi, M., Nakamura, K. A 128K word×8b DRAM 4—58341
Suzuki, S., Sakumoto, H., Miya, S., Omote, Y., Minegishi, J. Performance of metal pigment tapes with 600-700 Oe coercivity 4—30992

Suzuki, S., Sakumoto, H., Omote, Y., Minegishi, J. Magnetic properties of Fe_4N and Fe pigments 4−30947
Suzuki, S. *see* Imamura, K. 4−47026
Suzuki, S. *see* Kawashiro, S. 4−47124
Suzuki, S. *see* Nishizawa, J.-i. 4−48756
Suzuki, S. *see* Ogawa, K. 4−33682, 4−61670
Suzuki, S. *see* Takada, M. 4−29873
Suzuki, S. *see* Terada, K. 4−58324, 4−59029
Suzuki, S. *see* Tsuneishi, K. 4−52677
Suzuki, T., Hiraga, K., Sagawa, M. Lorentz electron microscope observation of domain walls of Fe-Nd-B alloy permanent magnets 4−52446
Suzuki, T., Imai, H. An error-correcting method for DAT and its performances 4−48676
Suzuki, T., Kaku, K., Ukawa, S., Dansui, Y. Low-temperature performance of thin solid electrolyte cell based on MoO_3-doped Bi_2O_3 4−55434
Suzuki, T., Kanai, M., Kimura, M., Ozaki, S., Soda, C., Furukawa, Y. Present state of the Japanese national project 'flexible manufacturing system complex' 4−31547
Suzuki, T., Ohara, M. A power feed system for optical data highway systems 4−56530
Suzuki, T., Takatori, H., Ogawa, M., Fujii, F. A CMOS line equalizer for a digital subscriber loop 4−54604
Suzuki, T. *see* Endo, T. 4−41259, 4−44154
Suzuki, T. *see* Hayashi, Y. 4−30009
Suzuki, T. *see* Hino, I. 4−37386
Suzuki, T. *see* Hiramatsu, R. 4−57188
Suzuki, T. *see* Hoshi, K. 4−46207
Suzuki, T. *see* Kano, S. 4−32208
Suzuki, T. *see* Katsumata, Y. 4−36547
Suzuki, T. *see* Kobayashi, Y. 4−41829, 4−47045
Suzuki, T. *see* Kutsuwada, N. 4−45808
Suzuki, T. *see* Memita, N. 4−45128
Suzuki, T. *see* Minemura, H. 4−31083
Suzuki, T. *see* Mizuno, K. 4−59839
Suzuki, T. *see* Nakajima, T. 4−43207, 4−43215, 4−43220, 4−43222
Suzuki, T. *see* Ohba, S. 4−55274
Suzuki, T. *see* Oka, R. 4−43211, 4−43212
Suzuki, T. *see* Oka, R.-I. 4−43217
Suzuki, T. *see* Sakai, T. 4−47032
Suzuki, T. *see* Wakaumi, H. 4−36872
Suzuki, Y., Chiba, T. Computer analysis method for arbitrarily shaped microstrip antenna with multiterminals 4−53289
Suzuki, Y., Horikoshi, E., Niwa, K. Magnetic properties and ferromagnetic shielding of Ni-Mo-Fe alloys at cryogenic temperatures 4−59131
Suzuki, Y., Horikoshi, Y., Kobayashi, M., Okamoto, H. Fabrication of GaAlAs 'window-stripe' multi-quantum-well heterostructure lasers utilising Zn diffusion-induced alloying 4−37364
Suzuki, Y., Kadono, S., Yoshimura, M., Masuda, I., Iwamura, M. A plastic packaged 1600 gate TTL type gate array 4−58290
Suzuki, Y, Kaneta, N., Nagatsuka, T., Suekane, R. A perfect single-Lee-error-correcting code 4−31873
Suzuki, Y., Noguchi, Y., Nagai, H. InP/InGaAsP 1.5 μm region etching cavity laser 4−42621
Suzuki, Y., Pak, P.S., Ito, K. Total planning of combined district heating, cooling and power generation systems for a new town. I 4−40058
Suzuki, Y., Pak, P.S., Kim, G., Tsuji, K., Suzuki, M. Energy database for local energy systems analysis in Kansai region 4−56725
Suzuki, Y., Seki, M., Horikoshi, Y., Okamoto, H. Surface defects on MBE-grown GaAs 4−29475
Suzuki, Y. *see* Ito, K. 4−40059
Suzuki, Y. *see* Matsumiya, T. 4−62534
Suzuki, Y. *see* Matsuoka, T. 4−31374
Suzuki, Y. *see* Saito, R. 4−57193
Suzuki, Y. *see* Suemitsu, M. 4−51771
Suzuki, Y. *see* Yada, K. 4−32409
Suzuki, Y. *see* Yajima, H. 4−59190
Suzuki, Y. *see* Yoshimura, K. 4−47588
Suzumura, N. *see* Hattori, N. 4−43467
Suzumura, N. *see* Yokoyama, K. 4−53859
Svacina, J. Multilayer microstrip lines. I 4−46600
Svacina, J. Multilayer microstrip lines. II 4−51507
Svakhin, A.S. *see* Sychugov, V.A. 4−59243
Svanaes, D., Aas, E.J. Test generation through logic programming 4−41297
Svarc, M. Performance and higher harmonics of slip recovery induction motor drives 4−34985
Svatik, A. *see* Adamec, V. 4−61501
Svec, J. Twenty years of school broadcasts 4−60964
Svechnikov, G.S., Petrashenko, N.P., Voznesenskii, V.A. Principles of organisation of hybrid optical bistable devices and their application in optoelectronic data processing systems 4−59592
Svechnikov, S.V. *see* Abalduev, B.V. 4−37237
Svechnikov, S.V. *see* Gorbach, T.Ya. 4−37188
Svechnikov, S.V. *see* Kul'chitskii, V.L. 4−31223
Svechnikov, S.V. *see* Shkvar, A.M. 4−56070
Svedek, T. The digital off-set QPSK modulator 4−47725
Svedek, T. Approximation of 8-PSK signal with the aid of Walsh functions 4−59923
Svelto, O. *see* De Silvestri, S. 4−42578, 4−53027
Svendsen, T. Tree encoding of the LPC residual 4−53526
Svenson, A.N. *see* Lozinskaya, N.R. 4−60031
Svensson, A., Sundberg, C.E. Optimized reduced-complexity Viterbi detectors for CPM 4−31847
Svensson, A., Sundberg, C.E. Serial detection of partial response continuous phase modulation 4−31854
Svensson, A., Sundberg, C.-E. Optimum MSK-type receivers for CPM on Gaussian and Rayleigh fading channels 4−53632
Svensson, A. *see* Lindell, G. 4−43195
Svensson, C. *see* Gustafsson, S. 4−46352
Svensson, C. *see* Jorgensen, C. 4−51892
Svensson, C. *see* Nylander, C. 4−58807
Svensson, C.M. *see* Olesen, O. 4−42090
Svensson, J., Larka, B. Programmable logic for compact designs 4−35795
Svensson, J.B. *see* Alexander, R.W 4−45569
Svensson, P. *see* Mortberg, B. 4−44831
Svensson, S., Liss, G. Simulated reality−a design tool [DC transmission lines] 4−62211
Svensson, S.P. *see* Sakaki, H. 4−51844
Svensson, T. VLSI technology for ISDN products 4−43562
Svensson, T. Current reference estimator for inverter fed AC machines 4−49847
Svensson, T. *see* Eriksson, G. 4−32556
Sverchkov, E.I. *see* Bazarov, E.I. 4−31140
Sverdlik, M.B. Matrix interpretation of the FFT algorithm for mutually simple factors 4−50728
Sverdlik, M.B., Kononov, A.A. Synthesis of frequency-manipulated signals in the presence of minimax constraints on the autocorrelation function 4−53646
Sverdlov, A.M., Sorokin, V.E., Usol'tsev, B.P. Use of a universal centralised database for providing information for users of computer networks 4−32483
Sverdlov, B.N. *see* Drakin, A.E. 4−47455
Sverdlov, B.N. *see* Golikova, E.G. 4−52818
Sverdrup, E. *see* Brown, D. 4−49747
Sveshnikov, Yu.N. *see* Pashinkin, A.S. 4−29449
Sveshtarov, P. *see* Gospodinov, M. 4−29464
Svestka, Z. *see* Filipensky, J. 4−42883, 4−47207
Svetlov, S.E. *see* Bryantsev, A.M. 4−39868
Svidchenko, A.I., Sudakov, E.N., Kosyakov, V.K., Yakovlev, S.P., Pugach, V.V., Ignatenko, V.V. Power consumption during smelting of steel in type DSP-5 electric arc furnaces 4−45758
Svigach, P. *see* Grushetski, D. 4−32470
Sviridov, K.N. *see* Bakut, P.A. 4−60221
Svirskii, V.R., Eingorn, I.Ya. Influence of magnetic circuit assembly technology on power transformer noise 4−34718
Svob, G.J., Bills, K.W., Jr. Predictive surveillance technique for air-launched rocket motors 4−44891
Svoboda, J.A. A linear active network analysis program suitable for a class project 4−29155
Svoboda, J.A., Brown, D.P. Modified state equations to represent changes in RC-Nullor networks 4−30005
Svoboda, R. *see* Jones, T.W. 4−55811
Svoboda, V. *see* Stiborova, E. 4−40352
Svorec, R.W., Gerardi, F.R. Space laser communications 4−44073
Svyatskii, B.S. *see* Shastin, A.G. 4−58099
Swab, P. *see* Das, M.B. 4−50065
Swain, G. *see* Clarke, J. 4−50206
Swain, R. The Riyadh television centre 4−60977
Swaine, M., Staff, I.W. New chip from Intel gives high-quality displays 4−51255
Swallom, D. *see* Petty, S. 4−40482
Swaminathan, G. *see* Chatterjee, J.K. 4−57228
Swaminathan, S. *see* Kim, M.D. 4−33916
Swaminathan, V., Dautremont-Smith, W.C., Anthony, P.J. Photoluminescence changes under high-intensity excitation of Al_2O_3-coated GaAs and their relevance to evaluation of facet coating procedures 4−31372
Swaminathan, V., Zilko, J.L., Nygren, S.F. Doping of $Al_{0.35}Ga_{0.65}As$ grown by metal organic chemical vapor deposition with Zn or Se 4−46924
Swamy, M.N.S., Roytman, L.M., Plotkin, E. Multifrequency approach to fault diagnosis 4−35947
Swamy, M.N.S., Roytman, L.M., Plotkin, E. Computation of the threshold of stability for N-dimensional digital filters 4−53742
Swamy, M.N.S., Roytman, L.M., Plotkin, E. Two stability tests for two-dimensional digital filters 4−53745
Swamy, M.N.S. *see* Nagamuthu, N. 4−30031, 4−35976
Swamy, M.N.S. *see* Plotkin, E.I. 4−47733, 4−60044
Swamy, M.N.S. *see* Reddy, D.R.R. 4−47872
Swamy, M.N.S. *see* Reddy, H.C. 4−51472
Swamy, M.N.S. *see* Reddy, N.S. 4−46579, 4−60892
Swan, C.B. *see* Liou, K.-Y. 4−53005
Swan, G.B., Eades, J.D. CADIC: an efficient integrated circuit design aid 4−58119
Swan, J. *see* Kocache, R.M.A. 4−48867
Swan, W. Versatile tester takes guesswork out of finding μP-based system faults 4−44405
Swanenburg, B.N. *see* Schonfelder, V. 4−33779
Swaney, F.J., Young, B.S., Weeden, D.A. Distributed control in the process and power industries: similar but different 4−45193
Swaney, F.J., Young, B.S., Weeden, D.A., Jr. The development of control technology in the power and process industries−similarities and differences 4−56492
Swann, T.A. *see* Warren, R.W. 4−47371
Swansen, J.E. *see* Krick, M.S. 4−33655
Swanson, D.C., Symons, F.W. Sources of numerical errors in both the square-root normalized and unnormalized least squares lattice algorithms 4−53358
Swanson, D.C. *see* Srinivasan, T. 4−60117
Swanson, G.J. *see* Leith, E.N. 4−43409
Swanson, J.L. *see* Merriam, R.L. 4−40624
Swanson, J.N. Car fan control 4−45721
Swanson, L. *see* Lorden, G. 4−53390
Swanson, L.W., Davis, P.R. Single crystal LaB_6: a comparison with currently used thermionic cathodes for broad beam applications 4−30250
Swanson, P. Digital audio broadcasting at WGBH Radio, Boston 4−44200
Swanson, R. *see* Scales, W.C. 4−38519
Swanson, R.H. Primer: satellite communications for managers 4−48419
Swanson, R.M., Beckwith, S.K., Crane, R.A., Eades, W.D., Kwark, Y.H., Sinton, R.A., Swirhun, S.E. Point-contact silicon solar cells 4−45646
Swanson, R.M. *see* Eades, W.D. 4−41904
Swanson, R.M. *see* Shenai, K. 4−41890
Swanson, R.M. *see* Swirhun, S. 4−46978
Swanson, T.D. Practical design considerations for photovoltaic power stations 4−40168
Swars, M. *see* Krolzig, A. 4−33775
Swart, P.L. *see* Aharoni, H. 4−34910
Swart, T. *see* McMurray, W.R. 4−33585
Swarte, P. *see* Bense, R. 4−44351
Swartz, C.K. *see* Weinberg, I. 4−45620
Swartz, G.A. Reverse bias and heat treatment to improve performance of *a*-Si solar cells 4−34872
Swartz, J. *see* Barkan, E. 4−59678
Swartz, L.E. *see* Bachrach, R.Z. 4−56044
Swartz, R.G. *see* Coldren, L.A. 4−31406, 4−37362, 4−52996, 4−52997
Swartz, S.L. *see* Shrout, T.R. 4−52329
Swartzlander, E.E., Jr., Hallnor, G. Fast transform processor implementation 4−51468
Swartzlander, E.E., Jr., Young, W.K.W., Joseph, S.J. A VLSI delay commutator for FFT implementation 4−51309
Swartzwelder, W.L. *see* Penna, T.C. 4−50784
Swarup, G., Hidayat, B., Sukumar, S. Giant equatorial radio telescope 4−44194
Swaszek, P.F., Thomas, J.B. Design of quantizers from histograms 4−37843
Swatt, E.P. *see* Martin, B., Jr. 4−33462
Sweeney, D.W. *see* Gallagher, N.C. 4−59630
Sweeney, P.J. *see* Strobhar, D.A. 4−45240
Sweet, D.R. Fast Toeplitz orthogonalization 4−35427
Sweetana, A. *see* Hensley, S.P. 4−49644
Sweets, E.A. Technology of the Olympics−'the 24th event' 4−44111
Sweetser, R.W. *see* Bergeron, R.J. 4−52033
Swegle, A.R. *see* Shideler, J.L 4−61853
Sweitzer, S. A low cost FFT chip set 4−55353
Swenson, E.J. The evolution of laser processing in semiconductor manufacturing 4−36798
Swiatek, H. The current-carrying capacity of semiconductor power devices from the utilisation of experimental coefficients 4−47018
Swider, J.E. *see* Lautenbach, P. 4−44874
Swiderski, J. Analysis of local buffer allocation mechanism improving fairness of message-switched networks 4−48284
Swietly, H. *see* Miguel, M. 4−56007
Swift, C.T. *see* Harrington, R.F. 4−39743
Swift, D.R., Comerford, M.F. Cleaning and environmental testing of PW assemblies with surface mounted components 4−46722
Swift, D.W. Do-it-yourself videoconferencing 4−61108
Swift, J.B., Suckling, C.W., Rigby, P.N., Simmons, T.J. An advanced 6/4 GHz satellite downconverter using GaAs integrated circuits 4−30120
Swift-Hook, D.T. *see* Dixon, J.C. 4−34552
Swiggard, E.M. Present and projected status of GaAs materials technology 4−30348
Swindell, W., Barrett, H.H. Real-time median-window filtering of video signals 4−44234
Swinden, D. Electroheat looks at the non-metals market 4−57545
Swindler, D.L. A comparison of vacuum and SF_6 technologies at 5 kV through 38 kV 4−62668
Swinehart, D.C., Stewart, L.C., Ornstein, S.M. Adding voice to an office computer network 4−32518
Swinehart, R.M. *see* Hinderaker, P.D. 4−36124
Swing, R.A. *see* Franck, J.B. 4−53123
Swingler, S.G. *see* Jackson, R.J. 4−62202
Swingler, S.G. *see* Weedy, B.M. 4−56634
Swinhoe, M.T., Jarvis, O.N. Calculation and measurement of ^{235}U and ^{238}U fission counter assembly detection efficiency 4−39431
Swinsky, G.W. *see* Fischer, M.J. 4−31808

Swiontkowska, M., Heise, K. The present status and prospects of the production of shipboard cables in the cable factory in Bydgoszcz 4—45119
Swirhun, S., Saraswat, K.C., Swanson, R.M. Contact resistance of LPCVD W/Al and PtSi/W/Al metallization 4—46978
Swirhun, S. *see* Sangiorgi, E. 4—59032
Swirhun, S.E. *see* Swanson, R.M. 4—45646
Swope, G.R. Spectrum analysis techniques applied to multisource range estimation 4—37992
Sworder, D.D. Control of systems subject to small measurement disturbances 4—62455
Swortzel, F.R. *see* Bianco, A.J. 4—44845
Sy, H.K. *see* Tan, K.L. 4—59950
Sy, K.K. *see* Bederman, S. 4—32390
Sychev, V.I. *see* Markovskii, Yu.G. 4—34758
Sychev, Yu.P. *see* Onishchenko, G.B. 4—34979
Sycheva, T.A. *see* Nikitenko, N.F. 4—44306
Sychevskii, S.E. *see* Doinikov, N.I. 4—52518, 4—52519
Sychugov, V.A., Svakhin, A.S., Tulaikova, T.V. Spectral and aberration characteristics of planar waveguide optical channel multiplexers and demultiplexers 4—59243
Syfret, T. Cable software: what the new technology offers the consumer 4—55031
Sykala, A. *see* Kacprzak, J. 4—57467
Sykes, C.B. *see* Duff, W.G. 4—37644, 4—59815
Sykes, J.J.W. Improved therapies for decompression sickness and air embolism 4—61808
Sykes, M. The compact disc, player and system 4—44327
Syllaios, A.J. *see* Colombo, L. 4—36638
Sylos Labini, M. *see* Dilecce, B. 4—59696
Sylvanne, O. Cable reel handling controlled by microcomputers 4—35290
Sylvester, D. CMOS in growth, will new firms take over? 4—36819
Sylvester, W.B. *see* Pierson, W.J., Jr. 4—61927
Sylvester-Bradley, J.T.R. Digital filter design procedure. III 4—30017
Sylvestrova, I.M. *see* Kuznetsov, V.A. 4—58001
Symanski, J.J. Implementation of matrix operations on the two-dimensional systolic array testbed 4—55160
Symons, F.W. *see* Srinivasan, T. 4—60117
Symons, F.W. *see* Swanson, D.C. 4—53358
Symons, K.D. *see* Inkol, R.J. 4—58471
Symons, P.C. *see* Askew, B.A. 4—45703
Syms, R.R.A., Solymar, L. The effects of swelling on volume holograms formed in bleached photographic emulsion 4—31510
Synadinos, K.G. Circuit card testing 4—50515
Synal, B. *see* Korejwo, E. 4—45151
Syndulko, K., Cohen, S.N., Tourtellotte, W.W., Potvin, A.R. Event-related potentials and functional assessment 4—49230
Syndulko, K. *see* Kondraske, G.V. 4—44706, 4—44712
Syndulko, K. *see* Potvin, A.R. 4—49125
Synmanski, R. Inverting: white writing on a dark background for the ZX81 4—46528
Syphers, D.A. *see* Zhao, L.C. 4—51906
Sypniewski, S. High efficiency modulating amplifiers with switched load line 4—41257
Sypplie, W. Control rooms 4—45744
Syrett, B. *see* Streibl, I. 4—52395
Syrett, J.H. Inferences from the Telidon and education project at TVOntario 4—32323
Syrigos, H. The backfire feed antenna 4—53302
Syrigos, H., Crossland, D., Van Wyck, B. Planar waveguide yields mm-wave monopulse comparators 4—58497
Syrovatka, V.V., Kuznetsov, P.V., Koterev, S.A. Forge welding tubes to sheets using a rotating arc 4—45779
Syrovoy, V.A. *see* Vashkovskiy, A.V. 4—53159
Syrtsev, V.A. *see* Kovtun, V.N. 4—33170
Syrzycki, M. *see* Maly, W. 4—36791
Syslo, M.M., Deo, N., Kowalik, J.S. Discrete optimization algorithms with Pascal programs 4—29381
Sysoev, V.K. *see* Aleinikov, V.S. 4—44776
Sysoev, V.K. *see* Bagrov, A.M. 4—31147
Sysoev, V.K. *see* Perminova, V.N. 4—44510
Sysoev, V.K. *see* Plotnichenko, V.G. 4—37086
Sysoev, V.V. *see* Trofimov, G.G. 4—39881
Sysoeva, E.N. *see* Ivanov, V.G. 4—31242
Syusyukin, A.I. Comparative characteristics of the possibilities of pulse sources of electrical energy 4—50965
Syutkina, T.B. *see* Tsanev, S.V. 4—49727
Syuzev, V.V. *see* Vorob'ev, G.N. 4—50645
Szabados, B. *see* Storoshchuk, O. 4—32420
Szabo, B. *see* Akatov, Yu.A. 4—61841
Szabo, B. *see* Balazs, P. 4—56382
Szabo, B. *see* Szabo, P.P. 4—33888
Szabo, G., Racz, B., Muller, A., Nikolaus, B., Bor, Z. Travelling-wave-pumped ultrashort-pulse distributed-feedback dye laser 4—47431
Szabo, G. *see* Hunyadi, I. 4—33595
Szabo, J. Optical fibre sensors 4—48875
Szabo, L.R., Osborne, W.I. Advances in digital memory telemeters for artillery projectiles 4—48766
Szabo, M.Varady *see* Varady Szabo, M.
Szabo, P.P., Feher, I., Deme, S., Szabo, B., Vagvolgyi, J., German, E. Environmental monitoring with a portable TLD system 4—33888
Szabo, P.P., Palfalvi, J. Termolumineszcens detektorok gyorsneutron erzekenysegenek vizsgalata (Fast neutron sensitivities of thermoluminescent detectors) 4—44790
Szabo, P.P., Palfalvi, J. Investigation of neutron sensitivity of LiF and $CaSO_4$ thermoluminescent detectors 4—56222
Szabo, P.P., Pradhan, A.S., Chandra, B. Some dosimetric parameters of MgB_4O_7:Dy sintered pellets and $CaSO_4$:Dy Teflon discs—a comparative study 4—49328
Szabo, P.P. *see* Akatov, Yu.A. 4—61841
Szabo, Z. The electron beam lithographic process now and in the future 4—36396
Szacillo-Kosowski, J. *see* Koj, J. 4—46713
Szajnowski, W.J. Monitoring the tilt angle of an ion-beam cross-section 4—46925
Szakats, A. The use of hyperelliptical coordinates in data processing algorithms specific to metrological reliability research 4—55143
Szalkai, I. The algebraic structure of primitive recursive functions 4—29353
Szaloki, I. *see* Formanne, G.C. 4—33966
Szanto, L. Integrated circuit design verification tools 4—36720
Szanto, L., Herout, A. LOMACH-MIXED—logic simulator of mixed diagrams 4—51162
Szarecki, K. *see* Antoszkiewicz, K. 4—29719
Szarska, S. *see* Lewowska, L. 4—30246
Szarynski, A. *see* Kamler, J. 4—44216
Szasz, J. *see* Diaconescu, I. 4—55548
Szatkowski, M.J. *see* Bird, C.L. 4—33161
Szatkowski, M.J. *see* Minshull, J.F. 4—33162, 4—33163
Szatmari, S., Bor, Z. Directional and wavelength sweep of distributed-feedback dye-laser pulses 4—37421
Szatmari, S., Schafer, F.P. Picosecond gain dynamics of KrF* 4—31291
Szatmari, S., Schafer, F.P. A tunable, highly monochromatic picosecond light source 4—31342
Szatmari, S., Schafer, F.P. Single pulse selection in amplifiers 4—37427
Szczech, T.J., Palmquist, K.E. A 3-D comparison of the fields from six basic head configurations 4—42268
Szczechowski, C. *see* Khedouri, E. 4—56316
Szczerba, R., Bicki, Z. Repair services organization in Polish power system 4—62023
Szczerba, R., Trojanowski, J. Operation results of the professional power industry in 1983 and its assignments for 1984 4—56413
Szczesny, P.M. *see* King, R.D. 4—40566
Szczupak, J. *see* Alvahydo, M.E. 4—35977
Sze, D.Y. A queueing model for telephone operator staffing 4—60394
Sze, H., Goldman, E., Brooks, A. Design and testing of a magnetically operated rep-rate opening switch 4—42802
Sze, S.M. *(editor)* VLSI technology 4—40736
Sze, W.C. *see* Hillhouse, D.L. 4—45488
Sze-yuan Li *see* Li Sze-yuan
Szeder, L. *see* Balazs, P. 4—56382
Szekely, J., Urednicek, Z. Investigation of the properties of an induction machine supplied from a three phase semicontrolled voltage inverter with controlled output voltages 4—40244
Szekely, J., Urednicek, Z. Simple numerical analysis method of dynamics processes in linear and nonlinear electric networks 4—46311
Szelag, P.R. *see* Bubier, R.W. 4—49779
Szeless, A. *see* Holzer, H. 4—39970
Szeliga, A. Choice of electric equipment for areas with WIII category hazard (Z2) 4—40816
Szeliga, A. Room for chemical analyser in the areas with explosion hazard due to inflammable vapours and gases in chemical and related industries 4—48683
Szeliga, A. Intrinsically safe electric circuits of apparatus used in chemical and related industries 4—50263
Szeliga, A. Using electric resistance heaters in areas with explosion hazard due to inflammable vapours and gases 4—62819
Szeliga, J. Local Digital Distribution Company (LDD)—vendor of DTS equipment 4—32689
Szelionzek, J. *see* Pilarski, A. 4—58098
Szendzielorz, A., Zackzek, J. Evaluation of power losses in screen of three-phase, three-wire system 4—49600
Szendzielorz, A. *see* Gacek, Z. 4—56615
Szente, L., Radvany, J. Up-to-date design methods for LC filters 4—41450
Szentirmay, Z. *see* Kroo, N. 4—30469
Szep, I. *see* Berceli, T. 4—44115
Szeto, E.W. *see* Chua, L.O. 4—29615
Szeto, R.T. *see* Chen, D.C. 4—36737
Szikora, B. *see* El-Shabasy, M. 4—50849
Szilagyi, S., Somogyi, G. Calculation of thermal effects occurring during the manufacture of CR-39 sheets 4—55892
Szilagyi, S. *see* Hunyadi, I. 4—55939
Szilagyi, S. *see* Molnar, J. 4—55907
Szklarz, G. *see* Dudelzak, B. 4—55821
Szkoda, K. *see* Cholewicki, I. 4—62554
Szkutnik, J. *see* Horak, J. 4—62046
Szlabs, S. *see* Bulski, J. 4—43667
Szlacter, J. *see* Abels, J.P. 4—62828
Szlovik, G. *see* Fuzesi, E. 4—57157
Szoghy, I.M. *see* Hunyadi, I. 4—55945
Szondi, E.J. NEKISE—regulating program for air activity measurement system at Paks Nuclear Power Plant 4—55172
Szostak, D.J., Goldstein, B. Photovoltage profiling of hydrogenated amorphous Si solar cells 4—57350
Szpankowski, W. A multiqueue problem: bounds and approximations 4—47940
Szpitalak, T. *see* Blakers, A.W. 4—57349
Szponder, J. *see* Walusiak, S. 4—51604
Szreter, Z. *see* Krzywaznia, A. 4—61520
Sztaniszlav, A. *see* Sterk, E. 4—42239
Sztipanovits, J. Estimation of the mean with coarsely quantized data 4—51346
Sztipanovits, J. Effects of digital implementation on measurement procedures 4—55155
Szu, H.H., Caulfield, H.J. The mutual time-frequency content of two signals 4—60199
Szuber, J. Surface photovoltage investigations of the electronic properties of Si(111) surfaces annealed in high vacuum 4—41826
Szulakiewicz, P. *see* Holubowicz, W. 4—43174
Szulce, A. Torque measuring transducers. I. General operation principles 4—44506
Szulce, A. Torque measuring transducers. II. Transducers with measuring signal generated on a rotary part of the sensing device 4—48891
Szuprowicz, B. The electronic library idea seeks a market 4—54179
Szustakowski, M., Jachura, P. Influence of the intramode dispersion on the harmonic signal transmission in multimode fiber 4—31143
Szwarcfiter, J.L. Optimal multiway search trees for variable size keys 4—40935
Szweda, R. *see* Blunt, R.T. 4—41961
Szwemin, P. *see* Krasuski, P. 4—30252
Szygulla, H. *see* Voss, W. 4—34792
Szyjer, M., Sochacka, M. Holography with evanescent reference wave 4—31519
Szymanowski, J. *see* Oledzki, J. 4—55632
Szymanski, G. Watt-hour efficiency of system loop inductor-ferromagnetic plate 4—53154
Szymanski, G., Patecki, A. Eddy-current losses in three-phase power cable and pipe-sheathing systems 4—39894
Szymanski, J. *see* Green, F. 4—51904
Szymanski, J.W. Generation of pseudorandom binary signal 4—51352
Szymanski, Z. *see* Paluszkiewicz, J. 4—43185
Szymanski, Z. *see* Rolicz, P. 4—57020
Szymczak, A. *see* Michnikowski, P. 4—50173
Szymczak, H. *see* Lachowicz, H.K. 4—36993
Szyminski, S. *see* Wurpel, H. 4—57858
Szynol, J. Monitoring and measuring apparatus and accessories for mechanization of operational testing of automatic protection systems of medium voltage network switchboards 4—57253
Szypowski, C., Staskiewicz, J. Portable semiconductor type indicator 4—48938
Szytula, A. *see* Mucha, J.M. 4—47170

't Hooft, G.W., van Opdorp, C. Analysis of LED degradation; proton-bombarded GaAs 4—37243
't Hooft, G.W. *see* van Opdorp, C. 4—36314
't Lam, R.U.E., de Haart, L.G.J., Wiersma, A.W., Blasse, G., Tinnemans, A.H.A., Mackor, A. The sensitization of $SrTiO_3$ photoanodes by doping with various transition-metal ions 4—37206
't Lam, R.U.E., Franceschetti, D.R. Theory of the photoresponse characteristics of transition-metal-doped semiconductor photoanodes in aqueous electrolytes 4—37205
Ta Do Trung *see* Do Trung Ta
Taba, S. *see* Tominaga, H. 4—32433
Tabachnik, V.P. *see* Fedorishcheva, E.E. 4—35544
Tabaczynski, J.A. *see* Chang, C.-B. 4—32851
Tabak, D., Amrani, Z., Shkolnik, S. A microprocessor-based Kalman filter 4—46586
Tabak, D. *see* Etkin, Y. 4—38323
Tabandeh, M. *see* Ward, R.K. 4—53383
Tabaru, K. The virtues of mercury in high-speed relays 4—51591
Tabashnikov, A.I. *see* Gel'man, M.V. 4—41199
Tabata, J., Kunsanagi, M. Development of Japanese artificial satellites 4—56232
Tabata, S. *see* Yokota, S. 4—38402
Tabata, Y., Masuda, S. Minimum potential of charged insulator to cause incendiary discharges 4—52326
Tabatabaie-Alavi, K. *see* Choudhury, A.N.M.M. 4—52071
Taber, A.H. Circuit technique to help prevent CMOS latch-up 4—47128
Tabib-Azar, M. *see* Das, P. 4—51788
Tabib-Azar, M. *see* Davari, B. 4—36489
Tabor, J.L. 34.5 kV gloving procedures developed 4—49535

Tabor, T.L. *see* Hoover, W.A. 4−62265
Tabuchi, T. *see* Hikita, M. 4−42211, 4−52398
Tabunov, V.P. *see* Goldobin, I.S. 4−59547
Tacca, H. Commutation source for high voltages 4−35632
Tacca, H. The design of RC circuits to protect triacs and thyristors 4−41204
Tacca, H. A starting sequencer for electric power generating equipment 4−45401
Taccardi, B., Franceschini, R. Body surface mapping of heart potentials a clinical tool 4−49235
Tacconi, E.J., Bouvet, M.A., Picinbono, B. A new NAR power estimation for adaptive detection 4−53706
Tache, J.P. Experimental investigation of diffraction losses in a laser resonator by means of the diffracted light 4−31416
Tachi, S. Sensory prostheses and/or sensory substitution systems 4−61822
Tachibana, M. *see* Ohtsuki, T. 4−57931
Tachibana, Y. *see* Izumida, K. 4−44804
Tachibana, Y. *see* Ohmuro, T. 4−60893
Tachikawa, S., Marubayashi, G. Interference noise of the spread spectrum multiple access communication systems using delay transform method 4−32095
Tachikawa, Y., Saruwatari, M. Laser diode module for analog video transmission 4−44102
Tachikura, M., Kashima, N. Fusion mass-splices for optical fibers using high-frequency discharge 4−31124
Tachikura, M., Satake, T. Consideration on splice loss distribution of optical fibers 4−42399
Tachikura, M. *see* Kashima, N. 4−44107
Tachikura, M. *see* Katagiri, T. 4−52560
Tachikura, M. *see* Kukita, S. 4−52562
Tacke, M. The wavefront curvature of an optically pumped waveguide laser 4−59580
Tackenberg, E. Electronic telephone directory. Conception and first experiences 4−54310
Taconet, O. *see* Bernard, R. 4−56273
Tada, E., Takahashi, Y., Ando, T., Shimamoto, S. Experiences on high current leads for superconducting magnets; seven types from 1 kA to 30 kA 4−31080
Tada, F. *see* Miyamoto, S. 4−36756
Tada, K., Nakano, Y., Ushirokawa, A. Temperature compensated coupled cavity diode lasers 4−59555
Tada, O., Tominaga, K., Kondo, T., Kondo, Y., Ichinomiya, K. Phosphor depreciation by ion bombardment 4−52780
Tadaki, R.T. *see* Saran, G.S. 4−37523
Tadakuma, S. *see* Tamura, Y. 4−57146
Tadeusiak, A., Mierzejewski, H. Low-cost two-dimensional micropositioning device for optical fiber measurements 4−31095
Tadeusiewicz, M. The solvability and monotonical properties of a certain class of DC nonlinear networks 4−35948
Tadic, V. Transmission quality observation in Yugoslav telecommunication network 4−60326
Tadzhi-Aglaeva, S.G. *see* Abdurakhmanov, K.P. 4−30428
Tae Geun Kim, Jae Yul Lee, Kwang Sue Chung, Je In Baek, Jae Kyoon Kim A study on the implementation of a small scale packet switching system 4−48295
Tae Park Kyu *see* Kyu Tae Park
Taegen, F., Walczak, R. Theoretical and experimental investigation of the rotor harmonic fields of squirrel cage induction motors 4−34641
Taegen, F., Walczak, R. Predetermination of the harmonics of rotor currents in squirrel cage induction motors with unskewed slots, verified by experiment 4−45432
Taeymans, Y. *see* Block, P. 4−49241
Taflove, A., Umashankar, K.R., Dunlap, J. Analysis and modeling of power transmission line inductive and ground-current coupling to railroad communications and signal lines 4−37658
Taflove, A. *see* Bridges, J.E. 4−40599
Tafto, J. *see* Rajeswaran, G. 4−58726
Tag, I.A. *see* Shouman, A.R. 4−45671
Taga, T. *see* Kobayashi, K. 4−60713
Tagami, H. *see* Nakano, H. 4−47678
Tagami, K., Motomura, Y., Aoyama, M. Preparation of ferrite thin flexible disks and their read/write characteristics 4−30985
Tagare, H.D., de Figueirdeo, R.J.P. Order filters 4−43377
Tagarov, K.D. *see* Farkhi, S.L. 4−40284
Tager, A.A. *see* Borodulin, V.I. 4−42662
Taggart, D., Parker, H., Hopman, H., Fleischmann, H.H. Betatron acceleration of electron rings in RECE-Christa 4−33609
Taggart, D.P., Parker, M.R., Hopman, H.J., Jayakumar, R., Fleischmann, H.H. Successful betatron acceleration of kiloampere electron rings in RECE-Christa 4−39380
Taghizadeh, M.R., Melling, P.J., Tooley, F.A.P., Smith, S.D., Arieli, R. Transmission measurement of polycrystalline silver halide fibres in the 1-11 μm wavelength region 4−37118
Tagiev, B.G. *see* Niftiev, G.M. 4−30387
Tagirov, V.I. *see* Gasanova, L.G. 4−46857
Tagliabue, C. The dissipation of heat in semiconductor devices 4−35316
Tagliabue, C. Semiconductor physics. II 4−36502
Tagliabue, C. Field effect transistors 4−36607
Tagliabue, C. The subjective component of the fidelity of sound reproduction 4−38959
Tagliabue, G. The semiconductors physics. I 4−30298
Tagliaferro, A. *see* Demichelis, F. 4−40459, 4−45657
Tago, K. *see* Morimatsu, Y. 4−61301
Tago, T. *see* Remmel, M. 4−53505
Taguchi, E. *see* Uehara, K. 4−46527
Taguchi, H. *see* Ogawa, K. 4−57725
Taguchi, J. *see* Hayashi, A. 4−44500
Taguchi, J. *see* Nakayama, R. 4−40017
Taguchi, K., Sakaguchi, Y. Signal processing ICs for VHD video disc players 4−33042
Taguchi, K. *see* Ishihara, H. 4−52793
Taguchi, K. *see* Kasahara, K. 4−31230, 4−37227
Taguchi, K. *see* Nishida, K. 4−54742
Taguchi, K. *see* Sugimoto, Y. 4−52792
Taguchi, M., Audo, S., Hijiya, S., Nakamura, S., Economo, S., Yabu, T. A capacitance-coupled bit-line cell for Mb level DRAMs 4−58338
Taguchi, M., Egashira, S., Egashira, R. Analysis of monopole antenna with ground wires 4−59866
Taguchi, M., Iijima, T. Construction of a telefocus gun for gas electron diffraction experiments 4−58677
Taguchi, M. *see* Kato, T. 4−30800
Taguchi, M. *see* Kuribayashi, M. 4−41608
Taguchi, S., Aida, T., Yamamoto, S. Investigation of Sc_2O_3 mixed-matrix Ba-Ca aluminate-impregnated cathodes 4−46756
Taguchi, S. *see* Yamamoto, S. 4−36177
Taguchi, S. *see* Yoshida, M. 4−36870
Taguchi, S. *see* Yoshii, T. 4−47059
Taguchi, T., Yokogawa, T. Effects of oxygen impurity on the surface in ZnS crystals and blue light-emitting diodes 4−42491
Tagushi, S. *see* Iwamura, J. 4−58427
Tahboub, K.K. *see* Ahmed, M.S. 4−60259
Tai, A.M., Aleksoff, C.C. Grating-based interferometric processor for real-time optical Fourier transformation 4−53789
Tai, A.M. *see* Cederquist, J.N. 4−59627
Tai, C.-T. Theory of terminated monopole [antenna] 4−47683
Tai, C.-T. *see* Mohammadian, A.H. 4−37688, 4−47641
Tai, K., Gibbs, H.M., Rushford, M.C., Peyghambarian, N., Satchell, J.S., Boshier, M.G., Ballagh, R.J., Sandle, W.J., LeBerre, M., Resayre, E., Tallet, A., Teichmann, J., Claude, Y., Mattar, F.P., Drummond, P.D. Observation of continuous-wave on-resonance 'self-focusing' 4−42708
Tai, K.L. *see* Ong, E. 4−36668
Tai, L.C., Chen, C.F. Overflow detection in a redundant residue number system 4−43342
Tai, M.L. Processes of self-assembly of trees with dependent connections 4−59903
Tai, S. *see* Kyuma, K. 4−52638
Tai Chen *see* Berry, B.W. 4−43586
Tai Xu *see* Xu Tai
Taiariol, F. *see* Piccirillo, A. 4−42318
Taiping Zhang *see* Zhang Taiping
Taira, K. *see* Inami, T. 4−42921
Taira, K. *see* Kato, Y. 4−41440
Taira, K. *see* Nishimura, M. 4−42920
Tait, A. *see* Smith, J.R. 4−62523
Tait, B.L. *see* Dyer, P.E. 4−52903
Tait, N.R.S. A review of the commissioning and initial operation of the NSF tandem accelerator 4−33588
Taits, M.Z. *see* Grebennik, V.S. 4−34014
Tajima, J., Yamao, Y., Sugeta, T., Hirayama, M. GaAs monolithic low-power amplifiers with parallel feedback 4−41591
Tajima, K. *see* Komaki, S. 4−48380
Tajima, S. Aluminium and manganese as anodes for dry and reserve batteries 4−34827
Tajima, S., Matsumoto, H., Hirano, M., Kohama, H. Central processing subsystem for DIPS VLSI processor 4−29900
Tajima, T. *see* Kikuta, M. 4−32395
Tajima, T. *see* Sullivan, D.J. 4−61605
Tajima, Y., Miller, P.D. Design of broad-band power GaAs FET amplifiers 4−36048
Tajima, Y., Sakaguchi, S. Drawing techniques for high-strength long-length optical fibers 4−38639
Tajima, Y. *see* Dormail, J. 4−30113
Tajima, Y. *see* Sakaguchi, S. 4−37117, 4−52596
Tajiri, F. *see* Wada, M. 4−31390
Taju, C.M. *see* Turanli, H.M. 4−29669
Taka, S. *see* Inada, T. 4−52022
Takacs, D., Harter, J., Jacobs, E.P., Werner, C., Schwabe, U., Winnerl, J., Lange, E. Comparison of latch-up in p- and n-well CMOS circuits 4−36855
Takacs, D., Werner, C., Harter, J., Schwabe, U. Surface induced latchup in VLSI CMOS circuits 4−36836
Takacs, D. *see* Schwabe, U. 4−30788
Takacs, D. *see* Werner, C. 4−36525
Takacs, F. The digital audio 4−33068
Takacs, G. Application of digital signal processing in acoustics 4−31920
Takacs, P.Z., Hursman, T.L., Williams, J.T. Application of silicon carbide to synchrotron radiation mirrors 4−56050
Takacs, S. Coupling losses of finite superconducting cables 4−37047
Takada, A., Ohashi, T., Nakamura, T., Hiraike, F. Large-scale color video display system 4−55266
Takada, E., Kume, H., Nakagome, Y., Suzuki, N., Asai, S., Hagiwara, T. Hot-carrier effects in submicron VLSIs 4−30808
Takada, K. *see* Okamoto, K. 4−42343
Takada, M., Terada, K., Kurosawa, S., Suzuki, S. Experimental analysis on alpha-particle-induced soft errors in NDRO dynamic memory cells 4−29873
Takada, M. *see* Takasago, H. 4−58655
Takada, S. *see* Nakagawa, H. 4−51090, 4−51091, 4−52489, 4−52513
Takada, S. *see* Ohhigashi, H. 4−51094
Takada, S. *see* Sogawa, E. 4−51093
Takada, T. *see* Zahn, M. 4−52316
Takada, Y. *see* Arimitsu, T. 4−52855
Takafuji, Y. *see* Matsuura, M. 4−55601
Takagaki, T. Progress and future efforts in solving major problems of electrochemical power sources 4−34851
Takagari, K., Sasaki, R., Shingai, S. An algorithm for obtaining simplified prime implicant sets in fault-tree and event-tree analysis 4−50594
Takagi, A., Itoh, Y., Rokusawa, K., Kitaoka, K., Shimizu, M., Ohara, H. Generation of Japanese sentences from visual information in the world of two-dimensional figures 4−43273
Takagi, A., Mori, Y., Igarashi, Z., Ikegami, K., Kubota, C., Fukumoto, S. Accelerated beam from cusp H^- ion source 4−61653
Takagi, A. *see* Mori, Y. 4−61630, 4−61663
Takagi, H., Kleinrock, L. Optimal transmission ranges for randomly distributed packet radio terminals 4−38118
Takagi, H., Kleinrock, L. Diffusion process approximation for the queueing delay in contention packet broadcasting systems 4−47933
Takagi, H. *see* Katsui, A. 4−29467
Takagi, H. *see* Schibuya, N. 4−41688
Takagi, H. *see* Ueda, D. 4−36587
Takagi, K. *see* Matsumiya, T. 4−62534
Takagi, K. *see* Nakamura, S. 4−52138
Takagi, K. *see* Tsukada, T. 4−41413, 4−58403
Takagi, M. *see* Kawamura, S. 4−29507, 4−36869, 4−52299
Takagi, M. *see* Takahashi, Y. 4−56311
Takagi, N., Nakamura, N., Yuyama, T., Fujiki, M. A PLL IC for magnetic disk drives 4−58216
Takagi, N., Yasuura, H., Yajima, S. A VLSI-oriented high-speed divider using redundant binary representation 4−51164
Takagi, S., Chow, L.C., Brown, W.E., Dobbyn, R.C., Kuriyama, M. Parallel beam microradiography of dental hard tissue using synchrotron radiation and X-ray image magnification 4−56124
Takagi, S., Fujii, N. A synthesis of active RC elliptic bandpass filters using identical biquad sections 4−30007
Takagi, S. *see* Nakamura, K. 4−51192
Takagi, T. 12 kV metalclad switchgear HICLAD-10F for Bahrain 4−50003
Takagi, T. *see* Ishikawa, J. 4−49063
Takagishi, S., Mori, H. Epitaxial growth of high-purity GaAs by low pressure MOCVD 4−29476
Takahara, M. *see* Kuwahara, I. 4−47627
Takahashi, A. *see* Deguchi, T. 4−52720
Takahashi, D.P. *see* O'Connor, P. 4−51152
Takahashi, F. *see* Saburi, Y. 4−44198
Takahashi, H. Satellite aided computer network 4−32396
Takahashi, H. An optically controllable negative resistance circuit constructed with optocouplers 4−41468
Takahashi, H., Masuda, C., Ibaraki, A., Miyaji, K. Mirror-type optical switch and its applications 4−52730
Takahashi, H., Nishihara, H., Koyama, J. Light-detectable function of the negative resistance characteristic presented by an optocoupler 4−47349
Takahashi, H., Nishikawa, S. Research and development of a superimposing device for general pattern information and word processor applications 4−60188
Takahashi, H., Sugimoto, I., Sato, T., Yoshida, S. Germanate glass optical fibers for 2 to 3 μm band fabricated by vapor-phase axial deposition method 4−59232
Takahashi, H. *see* Goto, G. 4−36857
Takahashi, H. *see* Setaka, R. 4−52643, 4−59253
Takahashi, H. *see* Shikama, T. 4−32749
Takahashi, I. *see* Akagi, H. 4−40247
Takahashi, I. *see* Nakano, H. 4−40246
Takahashi, K. Future vision of solar cells 4−50103
Takahashi, K. Power reduction of high-speed static RAM 4−58333

Takahashi, K., Shirasaki, S., Takamatsu, K., Kobayashi, N., Mitarai, Y., Kakegawa, K. Oriented $Pb_5Ge_{3-x}Si_xO_{11}$ thick films prepared by the printing technique 4—29547
Takahashi, K., Shirasaki, S., Takamatsu, K., Kobayashi, N., Mitarai, Y., Kakegawa, K. Pyroelectricity of preferably-oriented $Pb_5Ge_{3-x}Si_xO_{11}$ thick films prepared by the printing technique 4—52438
Takahashi, K., Shiratori, N., Noguchi, S., Nagasawa, Y., Sato, R. A study on integrated computer network using radio channels. I. System configuration 4—48243
Takahashi, K. *see* Fusaoka, A. 4—58969
Takahashi, K *see* Iguchi, T. 4—50985
Takahashi, K. *see* Inoue, T. 4—36284
Takahashi, K. *see* Katano, F. 4—35813
Takahashi, K. *see* Kenne, J. 4—41076
Takahashi, K. *see* Lim, K.S. 4—57352
Takahashi, K. *see* Matsushita, T. 4—45621
Takahashi, K. *see* Matsuyama, A. 4—48244
Takahashi, K. *see* Ogawa, K. 4—33682, 4—61670
Takahashi, K. *see* Saburi, Y. 4—44198
Takahashi, K. *see* Tanaka, K. 4—56866
Takahashi, K. *see* Tani, M. 4—62298
Takahashi, K. *see* Tokumitsu, E. 4—41052
Takahashi, M., Kato, Y. Criteria for improvements of the luminous efficacy, and the power factor in high frequency operation of the fluorescent discharge lamp 4—62802
Takahashi, M. *see* Chen, N.P. 4—36758
Takahashi, N., Takebe, T., Inomata, K. A new recursive structure for very high *Q* digital and SC-CTD filters 4—46584
Takahashi, N. *see* Asahi, K. 4—39417
Takahashi, N. *see* Kanno, Y. 4—57274
Takahashi, N. *see* Kyuzaki, T. 4—60669
Takahashi, N. *see* Nakata, T. 4—31029, 4—42279, 4—47564
Takahashi, O. *see* Yada, K. 4—32409
Takahashi, S., Kikuchi, T. Detection of underwater sound using optical interference in optical fibres 4—59286
Takahashi, S., Ochi, A., Yonezawa, M., Yano, T., Hamatsuki, T., Fukui, I. Internal electrode piezoelectric ceramic actuator 4—52348
Takahashi, S., Tanaka, S. Fully balanced bridge amplifier 4—51002
Takahashi, S. *see* Baba, Y. 4—41503
Takahashi, S. *see* Hisanaga, K. 4—41478
Takahashi, S. *see* Ichikawa, Y. 4—58462
Takahashi, S. *see* Ito, Y. 4—39393
Takahashi, S. *see* Kawakami, A. 4—41518, 4—46288, 4—46565
Takahashi, S. *see* Kishimoto, A. 4—36776
Takahashi, S. *see* Mitachi, S. 4—52598
Takahashi, S. *see* Nakamura, M. 4—54828
Takahashi, S. *see* Ohishi, Y. 4—47263
Takahashi, S. *see* Saburi, Y. 4—44198
Takahashi, S. *see* Usagawa, T. 4—50797
Takahashi, T. II-VI compound semiconductors [crystal growth, optical and surface properties] 4—46817
Takahashi, T., Tozuka, H., Tsukui, A., Ofuchi, T., Hoyano, A., Uenoyama, T., Ishida, T., Ikeda, K., Watari, M., Watanabe, T. SR-2000 voice processor and its applications 4—53472
Takahashi, T., Yoshida, J. DC discharge characteristics on poles exposing type of planar magnetron sputtering system 4—29538
Takahashi, T., Yoshida, J., Takeda, F. New planar magnetron system for ferromagnetic targets—magnetic field distribution near the target surface 4—58686
Takahashi, T. *see* Aihara, Y. 4—56652
Takahashi, T. *see* Hashimoto, T. 4—61723
Takahashi, T. *see* Horioka, K. 4—55798
Takahashi, T. *see* Nakamura, I. 4—61711
Takahashi, T. *see* Sato, F. 4—29780, 4—35745
Takahashi, T. *see* Yamashita, Y. 4—61796
Takahashi, Y., Iba, T., Ohkura, Y., Yoshikawa, T. High stability three axis magnetometer for the observation of geomagnetic field 4—56278
Takahashi, Y., Nagayama, Y., Ohkura, Y. Self-surfacing fluxgate system three axis seafloor magnetometer 4—56310
Takahashi, Y., Okamoto, T., Kawaoka, T. Optimization of the communication route shifting for the network topology alteration 4—32097
Takahashi, Y., Soga, T., Sakai, S., Umeno, M., Hattori, S. Mechanism of MOCVD growth of GaAs and AlAs 4—50806
Takahashi, Y., Takagi, M., Matsumoto, Y., Hotta, T., Yamada, Y. SQUID magnetometers 4—56311
Takahashi, Y. *see* Inoue, A. 4—48869
Takahashi, Y. *see* Kageyama, T. 4—30257, 4—36189
Takahashi, Y. *see* Kuraishi, Y. 4—54605
Takahashi, Y. *see* Tada, E. 4—31080
Takahashi, Y. *see* Tateishi, S. 4—57311
Takahashi, Y. *see* Ushida, N. 4—56030
Takahashi, Y. *see* Yamagishi, S. 4—33540
Takahaski, D.P. *see* O'Connor, P. 4—54794
Takahei, K., Kuroiwa, K., Ikegami, T. Reliability of 1.3 μm semiconductor lasers and Ge-detectors 4—37377
Takai, K. *see* Ishikawa, Y. 4—43921
Takai, M., Tanigawa, T., Gamo, K., Namba, S. Thickness dependence of SiO_2 capping layers on recrystallization of germanium islands on insulator 4—50800
Takai, M., Tanigawa, T., Minamisono, T., Gamo, K., Namba, S. Gallium arsenide layers grown by molecular beam epitaxy on single crystalline germanium islands on insulator 4—46219
Takai, M., Tanigawa, T., Miyauchi, M., Nakashima, S., Gamo, K., Namba, S. Residual strain in single crystalline germanium islands on insulator 4—50801
Takai, M. *see* Kimmitt, M.F. 4—39188
Takai, M. *see* Oraby, A.H. 4—30478
Takaichi, T. *see* Kure, T. 4—36749
Takaishi, I. *see* Tanaka, T. 4—30786
Takaiwa, Y. *see* Hayashide, Y. 4—33681
Takakura, H. *see* Hamakawa, Y. 4—50080
Takakura, N. *see* Gamo, K. 4—46239
Takamasa, T. *see* Kawase, M. 4—42355
Takamatsu, K. *see* Takahashi, K. 4—29547, 4—52438
Takamatsu, S. *see* Nishimura, M. 4—42848, 4—53203
Takamatsu, Y., Shiraishi, M., Kinoshita, K. Test generation for combinational circuits by a 10-valued calculus 4—58272
Takami, K. *see* Monden, M. 4—38196
Takami, Y., Shiraishi, F., Hosoe, M. Evaluation of various electrode metals for ultrahigh purity p-type Si surface barrier detectors 4—33710
Takami, Y. *see* Hosoe, M. 4—56024
Takamine, I. *see* Ikeda, S. 4—32954
Takamiya, S. *see* Kumabe, H. 4—53015
Takamizawa, H. *see* Utsumi, K. 4—58659
Takamizawa, K., Matsuda, T., Fujita, T., Mizumura, H., Nakamura, H., Kitajima, F., Murakoshi, M., Goto, S. LAMBDA: An automatic/interactive CAD system for master-slice LSIs 4—52212
Takamori, A. *see* Arimoto, H. 4—30509
Takamori, T. *see* Ebihara, N. 4—48587
Takanami, S. *see* Arai, R. 4—37027
Takanashi, N. *see* Sato, T. 4—61244
Takanashi, Y., Hirano, M., Sugeta, T. Control of threshold voltage of AlGaAs/GaAs 2DEG FETs through heat treatment 4—52115
Takanishi, T. *see* Ijima, K. 4—45132
Takano, H. *see* Kamijoh, T. 4—51993
Takano, I. *see* Mito, I. 4—31376
Takano, N. *see* Yabe, S. 4—36760
Takano, R. *see* Kamada, H. 4—43776
Takano, S., Yoshihara, T., Tanino, N., Mitsui, Y., Nishitani, K. A high performance GaAs FET with shallow n^+ implantation and recessed gate for fast static RAM 4—30650
Takano, S. *see* Kobayashi, M. 4—58705
Takano, S. *see* Yoshihara, T. 4—46452
Takano, S. *see* Yoshikawa, H. 4—31150
Takano, Y., Kitoak, N., Ozaki, H. Electronic properties of RF-sputtered unhydrogenated amorphous silicon-germanium alloy 4—30354
Takanohashi, T., Shirai, T., Yamazaki, S., Komiya, S., Umebu, I. Inhomogeneous distribution of avalanche multiplication in InP APDs 4—42480
Takaoka, A., Ura, K. Paraxial rays and aberrations in field emission gun 4—58680
Takaoka, H. *see* Ishii, Y. 4—51773
Takaoka, M., Ono, M., Kaji, I. Development of 275 kv XLPE cable system and prospect of 500 kV XLPE cable 4—56619
Takaoka, S., Itoga, T., Murase, K. Investigation of transport properties in $Pb_{1-x}Sn_xTe$ doped with indium 4—30371
Takaoka, S. *see* Fujiyasu, H. 4—51854
Takara, T., Imai, S. Isolated words recognition using Maharanobis' DP and mean vector sequence core-pattern 4—53479
Takasago, H., Takada, M., Adachi, K., Endo, A., Yamada, K., Onishi, Y., Morihiro, Y. Fine-line, multilayer hybrids with wet-processed conductors and thick-film resistors 4—58655
Takasaki, F. *see* Ogawa, K. 4—33682, 4—61670
Takasaki, Y. *see* Kusano, C. 4—36230
Takasawa, S. *see* Sugahara, K. 4—41273
Takase, F. *see* Kuramitsu, M. 4—41245
Takase, K. *see* Okumura, K. 4—58192
Takashima, K. *see* Oshitani, M. 4—40383
Takashima, K. *see* Yamasaki, K. 4—34853
Takashima, M. *see* Mori, Y. 4—33067
Takashima, T., Otsubo, A., Ishibashi, R. Numerical calculation of grounding impedance of a linear electrode 4—39946
Takashima, Y., Ishida, E., Tsubusaki, S., Yubakami, K., Shimotsuma, W. Color imaging process using filter beads 4—53162
Takasu, K. *see* Oshima, K. 4—31647
Takasu, Y. *see* Matsuda, Y. 4—50042
Takasu, Y. *see* Mori, H. 4—29487
Takasuka, M., Miyoshi, H., Kashiwakura, A., Fujiwara, S. Photodetectors for auto-focus systems 4—33315
Takasuna, T. *see* Natsui, K. 4—45564
Takata, K., Watanabe, Y., Tanaka, M., Kakeno, H. An estimation of the order of the autoregressive model with abnormal values 4—33852
Takata, M., Kageyama, K. The high frequency transducer of HIP-densified piezoelectric ceramics 4—56353
Takata, S. *see* Irisa, T. 4—57042, 4—57091
Takata, S. *see* Minami, T. 4—46812
Takata, S. *see* Sata, T. 4—55325
Takata, S. *see* Sonoda, T. 4—49974
Takata, S. *see* Ueda, R. 4—50137
Takatera, K. *see* Yoshika, T. 4—52358
Takatori, H. *see* Suzuki, T. 4—54604
Takawira, F., Ingram, D.G.W. Derivation of impulse responses under minimum phase constraints 4—53630
Takayama, C. *see* Ono, O. 4—45021
Takayama, K. Phase dynamics near transition energy in the Fermilab Main Ring 4—39384
Takayama, S. *see* Kutsuwada, N. 4—45808
Takayama, S. *see* Suzuki, K. 4—61276
Takayama, Y. *see* Higashisaka, A. 4—42138
Takayanagi, K. *see* Koike, Y. 4—32202
Takayanagi, M. *see* Nakamoto, Y. 4—62470
Takayasu, M., Hwang, J.Y., Freidlaender, F.J., Petrakis, L., Gerber, R. Magnetic separation utilizing a magnetic susceptibility gradient 4—37552
Takayasu, M. *see* Hwang, J.Y. 4—31619
Takazawa, K. *see* Ito, F. 4—34497
Takebe, T., Wakabayashi, M., Nishikawa, K. Arithmetically symmetrical digital bandpass and band-elimination filter design by frequency transformation 4—41493
Takebe, T. *see* Takahashi, N. 4—46584
Takechi, M., Ikuzaki, K., Itoh, T., Fujita, M., Asano, M., Masaki, A., Matsunaga, T. A CMOS 12K-gate array with flexible 10 Kb memory 4—51242
Takeda, A. *see* Ito, H. 4—57346
Takeda, A. *see* Ogino, T. 4—42048
Takeda, E., Hagiwara, T., Suzuki, N. Device performance degradation due to hot carriers having energies below the Si-SiO_2 energy barrier 4—36603
Takeda, E., Makino, T., Hagiwara, T. The impact of drain impurity profile and junction depth on submicron MOSFETs 4—52148
Takeda, E., Suzuki, N., Hagiwara, T. Device performance degradation due to hot-carrier injection at energies below Si-SiO_2 energy barrier 4—36633
Takeda, E. *see* Kume, H. 4—42139
Takeda, F. *see* Matsunaga, M. 4—59894
Takeda, F. *see* Takahashi, T. 4—58686
Takeda, F. *see* Tazaki, S. 4—44289
Takeda, F. *see* Wadaka, S. 4—52394
Takeda, H., Segall, S.B. Limiting energy spread at high laser intensities using phase space displacement 4—47377
Takeda, H. *see* Segall, S.B. 4—47375
Takeda, M. Electroluminescent flat displays for text and graphics 4—42488
Takeda, M., Masuda, H., Yasuda, K. Radiation effects in semiconductor devices. I. Electron irradiation of variable capacitance diodes 4—47000
Takeda, M., Wada, T., Masuda, H., Yasuda, K. Doping of germanium, antimony and tungsten atoms into silicon substrate by high energy electrons 4—58858
Takeda, M. *see* Tung Zhi-sin 4—53910
Takeda, T., Matsuhiro, K., Suzuki, M. High performance bipolar FPLAs 4—36808
Takeda, T. *see* Yokoyama, K. 4—47058
Takeda, Y. Low-field transport calculations 4—30345
Takeda, Y. Electron mobility calculations of $In_{0.53}Ga_{0.47}As$ taking the two-mode lattice vibrations into account 4—41832
Takeda, Y., Kondo, M., Sasaki, A. MgO-free surface of Mg-doped LPE InGaAs on InP 4—35490
Takeda, Y., Takigawa, S., Kondo, M., Sasaki, A. Very wide spectral range Schottky photodiodes of Ag/p-InP/p-InGaAs heterostructure 4—52811
Takeda, Y. *see* Fukuda, E. 4—31849
Takeda, Y. *see* Murai, F. 4—36747
Takeda, Y. *see* Shigaki, M. 4—41603
Takefuj, Y., Adachi, Y., Aiso, H. Fault-tolerant gate applied to VLSIs to improve their reliability and productivity 4—58270
Takegahara, T., Nakabayashi, K. Optimum conditions of the quantising number of bits and the sampling frequency for a digital transmission system with a constant bit rate 4—44372
Takehana, H. *see* Imai, M. 4—56887
Takehana, T. *see* Tsutsumi, S. 4—45723
Takehira, N., Tanaka, A. Impedance variation of a solenoid coil facing a moving sheet conductor 4—35522
Takei, K., Sugihara, K., Kunisaki, T., Hagiwara, H., Kushima, H. Optically excited electronic processes in mercury (II) iodide crystals 4—58753
Takei, K. *see* Iwata, T. 4—47214
Takei, K. *see* Sugihara, K. 4—58754
Takei, M. Change of energy consumption structure and long-range energy demand forecast of Japan 4—39985

Takei, W.J. *see* Farrow, R.F.C. 4—46223, 4—50761
Takei, W.J. *see* Wood, S. 4—50776
Takei, Y. *see* Sakai, Y. 4—29899
Takeiri, Y. *see* Ishikawa, J. 4—49063
Takemae, K. *see* Okazawa, T. 4—30796
Takemoto, I. *see* Koike, N. 4—48757
Takemoto, I. *see* Ohba, S. 4—55274
Takemoto, K. *see* Sumida, M. 4—52563
Takemoto, T., Kawakita, K., Sakai, H., Komeda, T. Advanced VIST device technology 4—36809
Takemoto, T. *see* Hasegawa, K. 4—29816
Takemoto, T. *see* Inoue, M. 4—51343
Takemura, H. *see* Tokuyoshi, F. 4—51238
Takemura, K. *see* Tsutsumi, S. 4—45723
Takenaga, M., Yamada, N., Ohara, S., Nishiuchi, K., Nagashima, M., Kashihara, T., Nakamura, S., Yamashita, T. New optical erasable medium using tellurium suboxide thin film 4—52527
Takenaga, M. *see* Yamashita, T. 4—52540
Takenaka, N. *see* Oshima, M. 4—31391
Takenaka, T. Buffer management schemes for a heterogeneous packet switching system 4—53979
Takenaka, T., Haga, A., Sakata, K. Piezoelectric properties of grain-oriented ferroelectric $Na_{0.5}Bi_{4.5}Ti_4O_{15}$ ceramics 4—30850
Takenaka, T. *see* Kimura, S. 4—38197
Takeno, J., Mukaidono, M. The construction of maze solving robot MS-2 with ultrasonic sensor system 4—34009
Takeno, J., Nakayama, K., Yosimura, Y., Takeno, K. A trial production of radio wave terminals and receiver using frequency modulation for digital code transmission and its application 4—43940
Takeno, K. *see* Takeno, J. 4—43940
Takenoshita, H., Nakau, T. LPE growth of $CuGa_{1-x}In_xS_2$ on ZnSe substrate using a mixture of $CuGaS_2$ and $CuInS_2$ as a solute 4—41044
Takeshima, M. Theory of thermal behavior of laser operation in $In_{0.53}Ga_{0.47}As$ 4—47465
Takeshima, M. Analysis of temperature sensitive operation in 1.6-μm $In_{0.53}Ga_{0.47}As$ lasers 4—52982
Takeshima, M., Okada, T., Fukunishi, S. Properties of injection-molded plastic substrates for laser beam memory 4—52537
Takeshima, T. *see* Suzuki, S. 4—58341
Takeshita, T., Beaudry, B.J., Gschneidner, K.A., Jr. Thermoelectric properties of ytterbium sulfides 4—36303
Taketa, Y. *see* Inokuma, T. 4—58555
Takeuchi, H., Jyomura, S., Nakaya, C., Ishikawa, Y. Sm-substituted lead titanate ceramics for high frequency ultrasonic probes 4—56090
Takeuchi, H., Murota, J. Void formation in phosphosilicate glass film with heat-treatment in H_2 atmosphere 4—29546
Takeuchi, N. *see* Kanai, M. 4—58942
Takeuchi, N. *see* Kurobori, T. 4—47446
Takeuchi, S. Mean rate modulator for random pulses 4—51049
Takeuchi, S., Aoki, K. Noise immunity measurements of logic ICs 4—41324
Takeuchi, S., Hoshino, T. A spectrum generator 4—35690
Takeuchi, S. *see* Naitoh, T. 4—46385
Takeuchi, S. *see* Tokuda, T. 4—58376
Takeuchi, S. *see* Yamashita, M. 4—36234
Takeuchi, T., Ikegami, F., Yoshida, S., Tokui, Y. Analysis of antenna pattern diversity effect for complex radiation pattern 4—53305
Takeuchi, T. *see* Counji, T. 4—30909
Takeuchi, Y. Development of deburring robot for castings by use of color sensor 4—57824
Takeuchi, Y., Iwatsuki, T., Ueda, H. Ionization chamber type monitoring post 4—61671
Takeuchi, Y. *see* Hirachi, Y. 4—36596
Takeya, S. *see* Maeda, A. 4—37657
Takeyama, A. *see* Yatsuboshi, R. 4—54431
Takezaki, T. *see* Terasaka, K. 4—59012
Takezoe, H. *see* Ishikawa, K. 4—37176
Takigawa, A. *see* Hasegawa, T. 4—32821
Takigawa, H. *see* Maekawa, T. 4—59023
Takigawa, M. *see* Kano, H. 4—46934
Takigawa, S. *see* Takeda, Y. 4—52811
Takigawa, T., Kawabuchi, K., Yoshimi, M., Kato, Y. High voltage electron beam lithography 4—42094
Takigawa, T. *see* Kato, Y. 4—36375
Takiguchi, H. *see* Matsui, S. 4—53011
Takiguchi, Y. *see* Kinoshita, K. 4—61735
Takikawa, K. *see* Dhawan, S. 4—44694
Takikawa, M., Komeno, J., Ozeki, M. Selectively doped n^+ InP/n^- GaInAs heterostructure prepared using chlorine transport vapour phase epitaxy 4—30625
Takikawa, M. *see* Komeno, J. 4—41069
Takikawa, O. *see* Suzuki, K. 4—61276
Takise, T., Aida, K. The acoustical behavior of a microphone placed adjacent to a rigid boundary and its applications to microphone systems 4—55126
Takita, K., Murakami, K., Otake, H., Masuda, K., Seki, S., Kudo, H. Observation of Hg diffusion in CdTe by means of 40-MeV O^{5+} ion backscattering 4—41946
Takita, K. *see* Murakami, K. 4—51973
Takiue, M., Hayashi, M., Natake, T., Ishikawa, H. Elimination of chemiluminescence in liquid scintillation measurement 4—33663
Takiyama, K. *see* Tsuji, M. 4—51517
Takiyama, R. Separating capacity of a general two-layered network of threshold elements 4—46280
Takiyama, R. Separating capacity of a cascaded network of threshold elements 4—58234
Takizuka, T., Matsuo, K., Lisaku, S., Ono, K. Design and evaluation of satellite packet communication protocols for integrated services networks 4—32787
Takizuka, T. *see* Matsuo, K. 4—54682
Takla, A., Haque, Y.A. A 300-baud frequency shift keying modem 4—54495
Takmizawa, T. *see* Yoshino, T. 4—59964
Tako, T. *see* Kunikane, T. 4—42521
Taktakishvili, M.I. *see* Barkhudarov, E.M. 4—53112
Takubo, A. *see* Akagiri, Y. 4—33043
Takuda, H. *see* Hatta, N. 4—35078
Takuma, H. *see* Hara, H. 4—31293
Takuma, T. *see* Watanabe, T. 4—53182
Talaat, H., Moret, M. On-line adaptive control of a power system 4—34108
Talati, A. *see* Babus'Haq, R.F. 4—56789
Talbot, J. *see* Megie, G. 4—61932
Talbot, J.R.W., Taylor, R.H. Economic assessment of wind turbines in an electricity supply system 4—34551
Talcott, J.W., Jr. *see* Erdle, F.E. 4—50597
Talens, A.F.Perez de *see* Perez de Talens, A.F.
Talisa, S.H. *see* Hwang, W.-L. 4—46622
Talkenberger, V. Exposure measuring- and control equipment 4—49024
Talkhan, E.A., Soliman, A.M., El-Fayoumi, T.H. New family of active *RC* variable equalisers 4—41463
Talkington, A.L. *see* Schrottke, G. 4—51567
Talkington, H.R. History and accomplishments in ocean engineering at the Naval Ocean Systems Center, 1966-1983 4—61956
Tall, M. Classification of linear induction motors 4—34691
Tallet, A. *see* Tai, K. 4—42708
Talley, W.T. *see* Voss, T.J. 4—45241
Tallis, J.C. Bringing out beauty can be a headache [wiring and metering] 4—62160
Tallosy, J. General description of Paks nuclear power plant 4—62283
Talmadge, R.E., Liron, E. Automatic gain ranging amplifier 4—48959
Talnagi, J.W., Arndt, S.A., Behbahani, A., Miller, D.W. The high voltage perturbation technique for testing the response of neutron sensors of the type used in nuclear reactors 4—34335
Talnagi, J.W. *see* Miller, D.W. 4—34283
Talover'ya, V.L. *see* Gritsenko, A.V. 4—57133
Talukdar, S.N. *see* Tyle, N. 4—34001
Taluts, S.G., Il'inykh, S.A. Interface for read-out of numerical information to a Shch68000K high-speed printer from an 'Elektronika D3-28' computer 4—48715
Talyshinskii, I.T., Khoborkova, Z.Ts. Calculating the three dimensional magnetic field of a synchronous machine with windings in a nonmagnetic gap 4—34620
Tam, A.C. *see* Coufal, H. 4—31541
Tam, D. *see* Wrathall, R.S. 4—36744
Tam, D.W.S. *see* Li, S.T. 4—37631
Tam, K.C., Macdonald, B., Perez-Mendez, V. Gated cardiac scanning using limited-angle image recognition technique and information in the neighboring phases 4—39540
Tam, K.K. *see* Kashef, B.G. 4—53815
Tam, S., Hu, C. Hot-electron induced photon and photocarrier generation in silicon MOSFETs 4—58925
Tam, S.C. Optical system for target acquisition and ranging 4—59294
Tam Nguy Huu *see* Nguy Huu Tam
Tamada, H. *see* Kaneko, M. 4—59283
Tamada, N. *see* Lore, J. 4—31081
Tamada, T. *see* Kaneko, M. 4—59283
Tamagawa, N. *see* Chubachi, R. 4—30993
Tamagawa, N. *see* Nakamura, T. 4—30990
Tamagawa, S. *see* Sato, I. 4—46617
Tamahashi, K., Onuma, S., Hosoya, A., Wakagi, M., Hanazono, M. Electrophotographic properties of amorphous Si:H films prepared by reactive RF sputtering method 4—41083
Tamai, E. *see* Ogura, K. 4—55969
Tamai, S. *see* Sugimoto, H. 4—62563
Tamai, S. *see* Yamada, S. 4—45527
Tamaki, Y., Shiba, T., Honma, N., Mizuo, S., Hayasaka, A. New U-groove isolation technology for high-speed bipolar memory 4—29880
Tamamura, T. *see* Imamura, S. 4—46912
Tamamura, T. *see* Morita, M. 4—41938
Tamamushi, T. *see* Nishizawa, J.-i. 4—48756
Tamano, J., Ichikawa, M., Morita, S., Hattori, S. An effect of plasma polymerized multilayer resist 4—30495
Tamanyan, G.Yu. *see* Adushkin, A.V. 4—42559
Tamargo, M.C. *see* Penna, T.C. 4—50784
Tamas, G. *see* Argan, P. 4—33693
Tamasevicius, A., Shatkovskii, E., Judickas, A. The photomagnetoelectric effect in the Corbino configuration 4—31240
Tamaura, Y. *see* Abe, M. 4—30979
Tambe, P.S. Current limiting fuses in high voltage motor control 4—62671
Tambieva, I.V. *see* Tsanev, S.V. 4—49727
Tamburelli Nonlinear digital receiver with signal processing 4—31946
Tamburelli, G. Study of the Turin shroud by means of an electronic computer 4—32016
Tamburelli, G. Nonlinear digital receiver with signal processing 4—32670
Tamburello, M. *see* Colombani, L. 4—38650
Tamburrini, M. *see* Spano, P. 4—42640
Tameda, M. *see* Tsuchida, S. 4—30785
Tamhankar, S.P. *see* Pawar, S.H. 4—41071
Tamir, T. *see* Hsue, C.W. 4—59730
Tamir, Y., Sequin, C.H. Design and application of self-testing comparators implemented with MOS PLAs 4—58255
Tamlyn, R. *see* Plass, D.W. 4—35801
Tamminga, Y. *see* Morgan, A.E. 4—51867
Tamoikin, V.V. *see* Lapin, V.G. 4—59757
Tamplin, A. *see* Tamplin, P. 4—62221
Tamplin, P., Tamplin, A. Laboratory life predictions versus field experience of high voltage termination materials 4—62221
Tamura, A. *see* Nagano, K. 4—46414
Tamura, H., Konoike, T., Sakabe, Y., Wakino, K. Improved high-Q dielectric resonator with complex perovskite structure 4—41559
Tamura, H. *see* Ishitani, T. 4—49062
Tamura, H. *see* Kodate, K. 4—41926
Tamura, H. *see* Wakino, K. 4—30102, 4—46610
Tamura, I. *see* Hashimoto, A. 4—41326
Tamura, K., Ichikawa, K., Kotaki, K., Amano, Y. A design of adaptive control systems of DC servo motor systems with coulomb friction 4—49917
Tamura, M., Ohkura, M., Natsuaki, N., Miyao, M., Tokuyama, T. Laser recrystallized SOI 4—41915
Tamura, M., Shukuri, S., Ishitani, T., Ichikawa, M., Doi, T. High dose rate effect of focused-ion-beam boron implantation into silicon 4—51982
Tamura, M. *see* Hinata, T. 4—42830
Tamura, M. *see* Honda, M. 4—42196
Tamura, M. *see* Natsuaki, N. 4—36441, 4—41980
Tamura, M. *see* Yamamoto, H. 4—50792
Tamura, P.N., Haugen, P.R., Betz, B.K. Time integrating digital correlator 4—53597
Tamura, S. *see* Wakino, K. 4—30102
Tamura, S. *see* Yanagihara, Y. 4—60908
Tamura, T., Nakamura, M., Ohshima, S., Ito, T., Ozeki, T. Optical cascade star network—A new configuration for a passive distribution system with optical collision detection capability 4—32379
Tamura, T., Togawa, T. Design of a multichannel solid-state recorder and its application to temperature measurement 4—61758
Tamura, T. *see* Kugiya, F. 4—31009
Tamura, Y., Tanaka, S., Tadakuma, S. Application of feed forward and feedback control to reactive power controllable cycloconverters 4—57146
Tamura, Y. *see* Kukita, S. 4—42356
Tamura, Z. *see* Koyama, S. 4—35095
Tan, E.C. Derivation of elliptic wave-digital filter transfer functions using wave-chain matrix techniques 4—30018
Tan, E.C. Eigenvalues of LC ladder networks 4—41451
Tan, K.L., Tang, S.H., Ong, P.P., Sy, H.K. The effects of noise on speech intelligibility in telephone communication 4—59950
Tan, P.E.H. Reliability Monitoring System (REMS) 4—35335
Tan, S.L. *see* Greebe, G.A.A.J. 4—32941
Tan, T.S., Stoneham, E.B., Patterson, G., Collins, D.M. GaAs FET channel structure investigation using MBE 4—30649
Tan, Z.C.H., Daly, R.C., Georgia, S.S. Novel, negative-working electron-beam resist 4—58950
Tan Li-tong *see* Fang Dun-fu 4—36271
Tanabe, J.T. *see* Orzechowski, T.J. 4—47368
Tanabe, M. *see* Nagasawa, K. 4—42340
Tanabe, M. *see* Yamada, K. 4—52177
Tanabe, T. Production of a ^{23}Na beam with a PIG source for a cyclotron 4—39391
Tanabe, T. *see* Kuwahara, H. 4—57272
Tanada, Y., Sano, H. Orthogonally-multiplexed optical-fiber bus for high-immunity data transmission 4—38656
Tanada, Y. *see* Mochida, Y. 4—32534
Tanaev, D.B. *see* Zobnin, A.P. 4—62486
Tanahashi, T. *see* Toyooka, S. 4—42725
Tanaka, A., Sukegawa, T., Sugiura, T. Phosphorus pressure effects on GaP crystal quality in the solution growth 4—50744
Tanaka, A. *see* Sukegawa, T. 4—59335
Tanaka, A. *see* Takehira, N. 4—35522

Tanaka, C., Kitayama, K.-i., Mitsunaga, Y. Design and performances of single-mode optical cable 4—38624
Tanaka, C. *see* Watanabe, R. 4—44099
Tanaka, E. An improved computing method for a metric between trees 4—29366
Tanaka, E. An improved bottom-up computing method for the metric between trees defined by Tai 4—40959
Tanaka, E. The metric between trees based on the strongly structure preserving mapping and its computing method 4—57930
Tanaka, F. *see* Kanayama, K. 4—31202
Tanaka, F. *see* Murayama, H. 4—39472
Tanaka, G., Fujiwara, K., Osaka, K. New high NA fiber for long-length image transmission 4—52631
Tanaka, G. *see* Kyoto, M. 4—52613
Tanaka, H. A new class of codes obtained by expanding the concept of error-correction 4—43145
Tanaka, H., Asai, K. Fuzzy linear programming problems with fuzzy numbers 4—46133
Tanaka, H., Ato, S. Analysis of output voltage waveform from uninterruptible power supply operating at a rectifier load 4—50971
Tanaka, H., Ichihashi, H., Asai, K. Formulation of fuzzy linear programming problem based on fuzzy objective function 4—57944
Tanaka, H., Momohara, T., Kaneku, S. Group parity check system for important information 4—60529
Tanaka, H., Morita, S., Namiki, M., Hirata, A. Super Motor Drive System—super-highspeed, variable-speed motor drive system 4—45690
Tanaka, H., Shiota, N., Goto, F., Yanagisawa, M. Head-disc parameters influence of D_{50} in high recording density 4—31021
Tanaka, H., Yajima, K., Ihara, T., Kinoshita, S., Fukuda, K., Furukawa, T. Development of a body surface potential mapping system 4—39566
Tanaka, H. *see* Yamada, K. 4—31012
Tanaka, I. Transposition to a new age of the compound technology by the microintegrated circuits—the present state of MICs and the future of OA; CAD, CG 4—52153
Tanaka, I., Kamiya, T. Digital processing of optical phase sensor using a personal computer 4—55265
Tanaka, I. *see* Ogusu, K. 4—46630
Tanaka, I. *see* Okuda, E. 4—47239
Tanaka, J., Bava, F., Yajima, M., Miyao, K., Fujii, A. New loudspeaker diaphragms using fiber reinforced plastics 4—44341
Tanaka, K. Video transmission radio system for subscribers in the 26 GHz band 4—32680
Tanaka, K. Some consideration on crosstalk in multihead magnetic digital recording 4—37020
Tanaka, K. Automatic recognition of stops in words by using reference pattern set derived from isolated CVs 4—43218
Tanaka, K. Improvements of a method for determining standard values of phonemic categories 4—43224
Tanaka, K. On recent sound mixing techniques and recording studios 4—61155
Tanaka, K., Fujimura, O., Tanaka, Y. Digital picture effect equipment for television broadcasting 4—53913
Tanaka, K., Ohta, H. Alteration to printing method for automatic WHM testing equipment, type PA-I 4—55166
Tanaka, K., Takahashi, K., Higashi, K., Kodama, Y., Kurisu, M. A field experiment on the sea-thermal power generation at the station off Shimane, Western Japan Sea. II. The experimental equipments on the plant ship 4—56866
Tanaka, K., Yamaguchi, M., Seto, H., Murata, M., Wakino, K. PLZT electrooptic shutter 4—52700
Tanaka, K. *see* Amano, Y. 4—40087
Tanaka, K. *see* Fukushima, T. 4—30589, 4—41349
Tanaka, K. *see* Hayamizu, S. 4—43228
Tanaka, K. *see* Ihokura, K. 4—48838
Tanaka, K. *see* Kurosawa, T. 4—42695
Tanaka, K. *see* Maerin, L. 4—44379
Tanaka, K. *see* Matsuura, H. 4—41885, 4—58794
Tanaka, K. *see* Onishi, K. 4—44378
Tanaka, K. *see* Ozawa, K. 4—42247
Tanaka, K. *see* Sato, T. 4—55023
Tanaka, K. *see* Yanagihara, Y. 4—60908
Tanaka, K. *see* Yoshikawa, A. 4—50807, 4—50809
Tanaka, K.O., Totaron, P. Application of fast algorithms to spectral analysis of speech signal 4—53577
Tanaka, M., Kikuchi, S., Honma, S. Time service using short-wavelength standard radio (JJY) 4—33502
Tanaka, M. *see* Kramer, D. 4—33623
Tanaka, M. *see* Okabayashi, I. 4—52919
Tanaka, M. *see* Shimizu, N. 4—29928
Tanaka, M. *see* Takata, K. 4—33852
Tanaka, M. *see* Yamamoto, H. 4—37170
Tanaka, M. *see* Yanagihara, Y. 4—60908
Tanaka, N. *see* Kako, N. 4—48841
Tanaka, O. *see* Hambley, A. 4—37824
Tanaka, R., Ichikawa, Y., Dobashi, H. Practical communication satellite (CS-2) system in Japan 4—60765
Tanaka, R. *see* Ichimura, M. 4—55218
Tanaka, S. Creating high-performance scopes to capture more complex signals 4—55542
Tanaka, S., AKiba, M., Mizuhashi, K., Ohara, Y., Okumura, Y. Characteristics of a hollow cathode ion source with magnetic multipole semicylindrical arc chamber 4—61665
Tanaka, S., Atsumi, S., Momodomi, M., Shinada, K., Yoshikawa, K., Nagakubo, Y., Kanzaki, K. A programmable 256K CMOS EPROM with on-chip test circuits 4—51233
Tanaka, S., Hatakoshi, G., Yashiro, H., Umegaki, S. Out-of-phase properties of optical-waveguide Bragg-grating lenses 4—47241
Tanaka, S., Iwamura, J., Ohno, J., Maeguchi, K., Tango, H., Doi, K. A sub-nanosecond 8K-gate CMOS/SOS gate array 4—51172
Tanaka, S., Kuno, M., Yamamoto, A., Kobayashi, H., Mizuta, M., Kukimoto, H., Saito, H. Picosecond dynamics of electron-hole plasma in GaAs/AlAs multiple quantum well structure 4—52773
Tanaka, S., Kyoto, M., Watanabe, M., Yokota, H. Hydroxyl group formation caused by hydrogen diffusion into optical glass fibre 4—31108
Tanaka, S., Siota, T., Yamauchi, R., Inada, K. Low-loss hermetically coated optical fiber 4—52676
Tanaka, S., Wake, Y., Araseki, T., Sato, T., Kage, K. A 16 kbps APC codec using digital signal processors 4—53563
Tanaka, S. *see* Fukuda, T. 4—56242
Tanaka, S. *see* Kitayama, Y. 4—52658
Tanaka, S. *see* Kosaka, Y. 4—44909
Tanaka, S. *see* Kusuda, Y. 4—61267
Tanaka, S. *see* Matsumoto, T. 4—58129
Tanaka, S. *see* Nakahara, T. 4—59195
Tanaka, S. *see* Takahashi, S. 4—51002
Tanaka, S. *see* Tamura, Y. 4—57146
Tanaka, S. *see* Umegaki, S. 4—42665
Tanaka, T. Video conference system for private use 4—32991
Tanaka, T. NTT new video conference system 4—32997
Tanaka, T. Slot-coupled narrow wall directional coupler 4—36021
Tanaka, T. Direct insertion type zirconia oxygen analyzer hygrometer 4—61920
Tanaka, T., Kato, H. Design and characteristics of SS-TDMA transponder breadboard model 4—38529
Tanaka, T., Shimizu, H., Takaishi, I., Funakoshi, Y., Kohno, Y., Kashimoto, Y. Ultra low power 16K CMOS RAM 4—30786
Tanaka, T., Tani, T. Analysis of transient heat transfer in latent heat storage equipment for solar energy 4—40511
Tanaka, T. *see* Inoue, T. 4—36284
Tanaka, T. *see* Matsumura, H. 4—51923
Tanaka, T. *see* Ninomiya, K. 4—44843
Tanaka, T. *see* Ono, K. 4—32302
Tanaka, T. *see* Shiomi, Y. 4—54986
Tanaka, T. *see* Souda, H. 4—32809
Tanaka, T. *see* Tsuda, I. 4—40173
Tanaka, T. *see* Uchiyama, H. 4—49043
Tanaka, T. *see* Yamamoto, H. 4—44450
Tanaka, Y., Kohda, M., Yamaguchi, H., Kuroki, Y. Collection and delivery computer network for Kyodo News Agency 4—32400
Tanaka, Y. *see* Matsumura, F. 4—57010
Tanaka, Y. *see* Nakano, N. 4—52941
Tanaka, Y. *see* Okada, T. 4—59738
Tanaka, Y. *see* Tanaka, K. 4—53913
Tanaka, Y. *see* Yamamoto, H. 4—44450
Tanatar, A.I. *see* Durnev, V.I. 4—50169
Tanbo, T. *see* Nishinaga, T. 4—30329
Tanbun-Ek, T., Suzaki, S., Min, W.S., Suematsu, Y., Koyama, F., Arai, S. Static characteristics of 1.5-1.6 μm GaInAsP/InP buried heterostructure butt-jointed built-in integrated lasers 4—31385
Tanda, O. *see* Nagaoka, S. 4—34202
Tandjung, H. *see* Heinrich, V. 4—37024
Tandon, A.K., Murthy, S.S., Berg, G.J. Steady state analysis of capacitor self-excited induction generators 4—34655
Tandon, A.K., Murthy, S.S., Singh, B.P. Experimental studies on a novel braking system for induction motors 4—57046
Tandon, A.K. *see* Murthy, S.S. 4—49883
Taneja, I.J. Lower bounds on exponential mean codeword length for the best 1:1 code 4—37875
Taneja, I.J., Zacchi, S.A. Lower bounds on average costs and nonadditive codeword lengths 4—47775
Taneya, M. *see* Matsui, S. 4—53011
Taneya, M. *see* Sasaki, A. 4—47294
Tang, C.L. *see* Erskine, D.J. 4—46843
Tang, C.L. *see* Rosker, M.J. 4—42698
Tang, C.L. *see* Xu, Z.Y. 4—30317
Tang, C.-M., Sprangle, P. Numerical results of 2-D pulse propagation in the free electron laser oscillator 4—31283
Tang, C.-M., Sprangle, P. Semi-analytical formulation of the two-dimensional pulse propagation in the free electron laser oscillator 4—47364
Tang, D.D. *see* Chuang, C.T. 4—36545
Tang, D.D. *see* Ning, T.H. 4—36551, 4—52067
Tang, D.D. *see* Sai-Halasz, G.A. 4—35815
Tang, D.T., Chen, C.L. Efficient exhaustive pattern generation for logic testing 4—35777
Tang, D.T. *see* Barzilai, Z. 4—36827, 4—51139
Tang, D.T. *see* Bongiovanni, G. 4—32723
Tang, D.T. *see* Roth, J.P. 4—29621
Tang, K.H. *see* Tso, S.K. 4—57206
Tang, M. *see* Koster, R. 4—44237
Tang, M.T., Jacobson, D.L. Electron emission from thoriated tungsten with absorbed cesium 4—30249
Tang, O.S.A., Aitchison, C.S. A microwave distributed MESFET mixer 4—36031
Tang, S.H. *see* Tan, K.L. 4—59950
Tang, T., Gunn, M.W. The terminal voltage of a receiving dipole antenna 4—37739
Tang, T.W., Sha, L., Navon, D.H. Improved high frequency performance of the permeable base transistors 4—58889
Tang, T.W. *see* Nayon, D.H. 4—36515
Tang, Y.S. *see* Cox, J.D. 4—52862
Tang Chuanmin *see* Liu Peitian 4—59479
Tang Guishen *see* Deng Ximing 4—31535
Tang Hongfen *see* Yuan Hailin 4—61566
Tang Hsiao-wei *see* Hsiao-wei Tang
Tang Jia-ming A transformation separation method by means of four-pairs anti-phase unit-vectors 4—55649
Tang Kairong *see* Jiao Zhengkuan 4—42306
Tang Pushan *see* Lu Fang 4—30685
Tang Sah, C. Evolution of the MOS field-effect transistor: from conception to VLSI 4—42072
Tang Shing, Lan Gu, Gang Guanyuan, Jiang Yingying, Hu Baijun Study on X-ray preionization performances 4—31448
Tang Shiqing, Gong Guangyuan, Jiang Yingying Study on X-ray preionized repetitive pulsed excimer lasers 4—37291
Tang Shiqing *see* Jiang Yingying 4—59568
Tang Xian-wu *see* Yang Jia-yuan 4—57993
Tang Xiande, Chan Deqin, Chen Zhenguo, Ye Yongcai, Yang Fangyuan Preparation of high critical current Cu-Nb_3Sn wires by a multi-core powder metallurgy process 4—37045
Tang Xingli, Tao Yongxiang, Jin Tingzhen, Chen Lifei, Zhao Jiuyuan A high power vortex gas flow stabilized flashlamp 4—31427
Tang Xingli, Tao Yongxiang, Jin Tingzhen, Chen Lifei, Zhao Jiuyuan A high power vortex gas flow stabilized flashlamp 4—37407
Tang Xingli, Tao Yongxiang, Zhao Fukang, Li Fengying, Chen Lifei, Jin Tingzhen A planar self-waveguiding flashlamp-pumped dye laser 4—59458
Tang Xiuyun *see* Cheng Ningchiang 4—59183
Tang Yuhai, Lu Zhimin Fault diagnostic and microprogram debugging system for Am2900 bit-slice microprocessor 4—58351
Tangen, J.M. *see* Lovik, A. 4—61759
Tangermann, W.P. South Tirol private broadcasting for Bavaria. Radio on the rocks 4—38769
Tangermann, W.P. User's test: Satellit 600 black suitcase a world receiver of renown 4—38809
Tangermann, W.P. *see* Nuhrmann, D. 4—33343
Tango, H. *see* Maeguchi, K. 4—30771
Tango, H. *see* Tanaka, S. 4—51172
Tango, H. *see* Yoshida, M. 4—36870
Tango, H. *see* Yoshii, T. 4—47059
Tangonan, G.L., Persechini, D.L., Jones, V.L. Photochromic waveguides and fibres 4—31109
Tangonan, G.L., Wysocki, J.A., Blair, G.R., Jones, V.L., Herke, R. Optical, mechanical, and radiation performance of metal-coated fibers at high temperature 4—52675
Tanguay, A.R., Jr., Chavel, P., Strand, T.C., Wu, C.S., Soffer, B.H. Polarization properties of the variable-grating-mode liquid-crystal device 4—37177
Tanguay, A.R., Jr., Wu, C.S., Chavel, P., Strand, T.C., Sawchuk, A.A., Soffer, B.H. Physical characterization of the variable grating mode liquid crystal device 4—42424
Tanguay, A.R., Jr. *see* Owechko, Y. 4—47298, 4—47299
Tanguay, L., Vaillancourt, R. Numerical solution of the dielectric equation for a coaxial line 4—55640
Tani, A. *see* Hirayama, F. 4—55996
Tani, M., Takahashi, K., Yukiya, M., Sakaue, T., Minami, H., Odahashi, S., Suyama, T. An advanced control room for nuclear-power plants 4—62298
Tani, N. *see* Nakamura, K. 4—52445
Tani, T. Photochemical hole burning and its applications 4—37506
Tani, T. A study on the design of a solar total energy system 4—40160
Tani, T. *see* Kamimoto, M. 4—40169
Tani, T. *see* Tanaka, T. 4—40511
Tani, T. *see* Tsuda, I. 4—40173
Tanida, J., Ichioka, Y. Image encoding by a computer generated holographic filter 4—59629
Tanida, J. *see* Ichioka, Y. 4—60193

Tanie, K., Kato, I. Biomechanic and rehabilitative engineering for physically and/or sensory handicapped 4—49306

Tanielian, M., Blackstone, S., Lajos, R. Sputter deposited titanium disilicide at high substrate temperatures 4—58040

Tanifuji, T. *see* Kato, Y. 4—38626

Tanifuji, T. *see* Matsumoto, M. 4—52603

Tanigaki, K. *see* Ishihara, Y. 4—39077

Tanigaki, K. *see* Murasaki, K. 4—48079

Tanigaki, K. *see* Uehara, T. 4—48550

Tanigawa, H., Ishihara, T., Hirata, M., Suzuki, K. MOS integrated silicon pressure sensor 4—61359

Tanigawa, T. *see* Takai, M. 4—46219, 4—50800, 4—50801

Taniguchi, H., Giedt, W.H., Kudo, K., Kasahara, K., Ohta, J., Kawamura, K. Energy-conserving heat pump-boiler systems for district heating 4—40127

Taniguchi, H., Kudo, K., Huang, Q.L., Hayasaka, H., Wen-Jei Yang, Kasahara, K., Kumazawa, S. Latent heat recovery from effluent gases by boilers in a coal-fired power plant 4—40124

Taniguchi, K. Ultraprecise engineering and its applications [for LSI] 4—36694

Taniguchi, K., Ito, H., Sakai, T. A new shading compensation technique for image processing 4—43466

Taniguchi, K., Yamaki, N., Ikeda, S. Self-scanning photodiode array as X-ray detector and its application to EXAFS 4—61738

Taniguchi, T., Shiraishi, N., Itoh, K. Profile minimisation algorithm for sparse matrix 4—50718

Taniguchi, T. *see* Yamashita, K. 4—39818

Taniike, H., Inada, T. Trial services and commercial services of the Captains system 4—48083

Tanikawa, K. *see* Ito, Y. 4—55227

Tanikawa, K. *see* Maekawa, T. 4—59023

Tanikuro, B. 800 kV step-up transformers for Venezuela's Guri No.2 hydroelectric power station 4—62585

Tanimoto, M., Sumiyoshi, H., Komai, M. Synchronous spread-spectrum multiplex communication system by using a modified *M*-sequence 4—43946

Tanimoto, M. *see* Yokokawa, S. 4—39799

Tanimoto, S. *see* Danielsson, P.E. 4—53860

Tanimoto, S. *see* Yamada, H. 4—40248

Tanimoto, S.L. Cellular logic with hierarchical extensions 4—53866

Tanimoto, S.L. *see* Hartman, N.P. 4—60025

Tanimura, N. *see* Kawamoto, H. 4—51246

Tanimura, N. *see* Yamaguchi, Y. 4—58321

Tanino, N. *see* Takano, S. 4—30650

Tanizaw, M. *see* Shiosaki, T. 4—52331

Tanji, A. *see* Sekikawa, K. 4—54827

Tanji, Y. *see* Kikuchi, K. 4—35093

Tankevich, E.N. *see* Stognii, B.S. 4—45494

Tannehill, J.C. *see* Rakich, J.V. 4—33915

Tannenwald, P.E. *see* Sollner, T.C.L.G. 4—36325

Tanner, A.B. *see* Evans, L.G. 4—33961

Tanner, B. Programmable sound generation and the Z80 4—33023

Tanner, J.E., Mead, C. A correlating optical motion detector 4—44516

Tanner, R.M. Fault tolerant 256K memory designs 4—41352

Tanner, R.M. A transform technique for a class of quasi-cyclic codes 4—43167

Tanner, T. 'Humane Alarm' [clock alarm circuit] 4—30043

Tanno, K., Nakamura, T., Sato, R. Analysis of receiving behavior of a window flow control mechanism in packet switching networks 4—43775

Tanno, K. *see* Endo, N. 4—59028

Tanno, K. *see* Terada, K. 4—59029

Tanno, M. *see* Yamaguchi, M. 4—30920

Tanpo, T. *see* Miyake, I. 4—30522

Tansey, R.J. An absolute distance interferometer using a dye laser heterodyne interferometer and spatial separation of beams 4—61527

Tansho, K. *see* Kasai, R. 4—51166

Tanski, W.J. *see* Sinha, B.K. 4—30932

Tansley, J. *see* Bradwell, A. 4—62262

Tantareanu, C. Energy advantages of the variable speed operation of large wind generators 4—40178

Tantareanu, C. The double fed asynchronous generator—a solution for nonconventional energy units 4—49872

Tantareanu, C. *see* Voicu, G. 4—49818

Tantawy, M.A. *see* Farghal, S.A. 4—45004

Tanuma, C., Suda, Y., Yoshida, S., Yokoyama, K. A highly sensitive displacing device using piezoelectric bimorph with double-support structure 4—52347

Tao, B.P., Oijala, M. Architecture for a VLSI implementation of an LPC-based, isolated-word recognition system 4—59989

Tao, B.P.M., Abut, H., Gray, R.M. Hardware realization of waveform vector quantizers 4—53451

Tao, K.M. Adaptive image smoothing algorithms for edge and texture preservation 4—53941

Tao, Y.G., Kolwicz, K.D., Gritton, C.W.K., Duttweiler, D.L. A cascadable VLSI echo canceller 4—54466

Tao Fu *see* Fu Tao

Tao Li, Hollaar, L.A. On the testability of the direct implementation of asynchronous circuits 4—41334

Tao Nie *see* Nie Tao

Tao Shi-Quang, Ling De-Hong Spectrograph with a holographic lens as dispersing/focusing element 4—37473

Tao Yongxiang *see* Tang Xingli 4—31427, 4—37407, 4—59458

Tao-lin Hsu *see* Hsu Tao-lin

Taormina, F.A. *see* Caulfield, M.F. 4—31795

Tapia, A. *see* Castillo, F. 4—55938

Tapia, M.A. *see* Sala, G. 4—34925

Taplin, D.W. *see* Sandell, R.S. 4—31672

Tapper, R.J. *see* Gilmore, R.S. 4—51327

Taranenko, L.V. *see* Brodin, M.S. 4—37347

Taranenko, V.V. *see* Zhivilo, S.I. 4—33130

Taranenko, Yu.K., Snegur, V.I., Kulakov, M.V. Expansion of measurement range of string pressure transducers 4—33256

Taranov, S.G. *see* Braiko, V.V. 4—55647

Taras, E. Pentaconta 5B and 7E private telephone exchanges 4—43865

Taras, E. Pentacont 5B and 7E telephone exchanges (switchboards) 4—43895

Tarasenko, L.G. A 70 mm laser flying spot telecine projector for HDTV 4—38836

Tarasenko, V.F. *see* Nazarov, N.G. 4—31863

Tarasevich, A. *see* Rhodes, W.T. 4—42413

Tarasov, A.A. *see* Andreev, R.V. 4—59486

Tarasov, A.I. *see* Aksenov, Yu.P. 4—59069

Tarasov, E.P. *see* Kostyuchenkova, E.N. 4—58183

Tarasov, I.S. *see* Gorelenok, A.T. 4—52990

Tarasov, M.A. *see* Vystavkin, A.N. 4—42300, 4—59171

Tarasov, M.D. *see* Bogdankevich, O.V. 4—42606

Tarasov, R.P., Temkin, A.E. Numerical analysis of beam equations in a curved cylinder 4—42404

Tarasov, V.A. *see* Mironov, Yu.M. 4—40643

Tarasov, V.A. *see* Tarbeev, Yu.V. 4—33984

Tarasov, V.M. *see* Baraulya, V.I. 4—31346

Tarasov, V.N. *see* Kruglikov, V.K. 4—35353

Tarasova, T.N. *see* Larionov, V.P. 4—54622

Tarassenko, L., Rolfe, P. Imaging spatial distributions of resistivity—an alternative approach 4—49117

Taravkov, A.N. A medium-wave antenna installation in conjunction with television transmitting stations 4—32909

Tarbeev, Yu.V., Tarasov, V.A., Il'in, G.V., Stavrov, K.G. Electrical field intensity meter 4—33984

Tarbox, E.J. *see* Varnham, M.P. 4—52579

Tardieu, A., Clair, J.J. Waveguide deflector in lithium niobate ($LiNbO_3$) 4—31183

Tardieu, R. Administrative and technical management of a measurement instrument yard and a metrology laboratory 4—57761

Tardos, G.I., Snaddon, R.W.L., Dietz, P.W. Electrical charge measurements on fine airborne particles 4—55666

Tardos, M. *see* Sterk, E. 4—42239

Tarela, J.M. *see* Martinez, E. 4—29740

Targowski, P. *see* Baczynski, A. 4—31320

Tari, M. *see* Hanita, A. 4—56934

Tarjan, R.E., Yannakakis, M. Simple linear-time algorithms to test chordality of graphs, test acyclicity of hypergraphs, and selectively reduce acyclic hypergraphs 4—50665

Tarjan, R.E. *see* Suurballe, J.W. 4—40955

Tarle, G. *see* Ahlen, S.P. 4—55955

Tarle, G. *see* Salamon, M.H. 4—61713

Tarnai, A.A. *see* Firtsak, Yu.Yu. 4—37190

Tarnavskii, V.M. *see* Gumin, M.I. 4—34721

Tarnay, D.S. Hydrogen production at run-of-river hydro plants 4—34475

Tarng, S.S. *see* Venkatesan, T. 4—53076

Tarng, T.T.-K., Marek-Sadowska, M., Kuh, E.S. An efficient single-row routing algorithm 4—51611

Tarnoczy, T. New chapters of room acoustics. I. Temporal destiny of sound power 4—39371

Tarnopolsky, G.J. *see* Anderson, L. 4—55989

Taroni, A. *see* Aprilesi, G.C. 4—61928

Tarrant, R.T. *see* Bucy, J.F. 4—35855

Tarricone, L. *see* Coutts, T.J. 4—57347

Tarridec, C. *see* De Mori, R. 4—53573

Tarroni, F., Guzzi, M., Grilli, E. Pyroelectric detectors: an interesting series of devices for infrared detection 4—39171

Tarroni, F., Guzzi, M., Grilli, E. Infrared image detectors: a new solution to the problem 4—39172

Tartachnik, V. *see* Januskevicius, Z. 4—30388

Tartaglia, M. *see* Chiampi, M. 4—57250

Tartakovskii, G.P., Ivanchuk, N.A. Selection of features in pattern recognition 4—43448

Tartakovskii, L.M. Processing of statistical data concerning exploitation of measuring devices 4—33096

Tartar, J. *see* Bentley, T. 4—32424

Tartara, G. *see* Bellini, S. 4—31855, 4—37821

Tartara, G. *see* Carassa, F. 4—60794

Tartono, S., Bilgutay, N.M. Estimation of scatterer spacing using non-linear least-squares technique 4—50871

Tarucha, S., Kobayashi, H., Horikoshi, Y., Okamoto, H. Carrier-induced energy-gap shrinkage in current-injection GaAs/AlGaAs MQW heterostructures 4—59512

Tarucha, S. *see* Ohmori, Y. 4—31373

Tarutani, Y. *see* Hatano, Y. 4—42288

Taruttis, A.H. Fast Q measurement of RF capacitors 4—39307

Tasaka, S. Performance comparisons of multiple access protocols for satellite broadcast channels 4—32136

Tasaka, S., Ishida, K. Dynamic behaviour of the slotted ALOHA system with a go-back-*N* ARQ scheme 4—48437

Tasaka, S. *see* Ushida, N. 4—56030

Tasaka, Y. *see* Usami, S. 4—33615

Tasevski, M. SnO_2n-Si-solar cell 4—34908

Tashayyod, D. *see* Onaral, B. 4—35212

Tashchilin, L.N. *see* Atamasov, V.D. 4—62713

Tashiro, H., Koizumi, T., Toyoda, K., Namba, S. Wide-range amplification of a tunable-diode laser using optically pumped high-pressure NH_3 gas 4—52988

Tashiro, H., Shimada, T., Toyoda, K., Namba, S. Studies on injection locking of a TEA-CO_2 laser for stable high-power operation 4—31307

Tashiro, H., Souma, H., Toyoda, K., Namba, S., Nagasaka, K. Pressure dependence of laser oscillation and superfluorescent emission from an optically pumped CF_4 laser 4—37294

Tashiro, H. *see* Shimada, T. 4—47481

Tashiro, K. *see* Saito, K. 4—32820

Tashiro, N. *see* Nakamura, K. 4—51192, 4—51747

Tashiro, T. *see* Tokuyoshi, F. 4—51238

Tashiro, Y. *see* Niwa, M. 4—47344

Tasi, R.Y., Huang, T.S. Estimating three-dimensional motion parameters of a rigid planar patch. III. Finite point correspondences and the three-view problem 4—43441

Tasiaux, B. *see* Deutsch, J. 4—49088

Tasker, R. *see* Rake, F. 4—60493

Taskov, V.K. *see* Basheva, D.S. 4—47254

Tassoni, C. *see* Molair, P.G. 4—56920

Tassoni, C. *see* Reggiani, U. 4—50135

Tassopoulos, A., Storey, C. Use of a nonquadratic model in a conjugate-gradient method of optimization with inexact line searches 4—46140

Tassopoulos, A., Storey, C. A conjugate-direction method based on a nonquadratic model 4—46141

Tassopoulos, A., Storey, C. A variable-metric method using a nonquadratic model 4—46142

Tasto, M. Integration of services in multifunction terminals 4—54093

Tatarchenko, V.A. *see* Abrosimov, N.V. 4—29442

Tatarchenko, V.A. *see* Brantov, S.K. 4—29504

Tatarinov, V.N. *see* Badulin, N.N. 4—61921

Tatarinov, V.S. *see* Muckhachev, Yu.S. 4—61706

Tatarnikov, V.G. Adaptive compensation of quasi-deterministic narrow-band interference 4—53667

Tatchyn, R. A variational derivation of optimum undulator trajectories 4—55803

Tatchyn, R., Boyce, R. A UHV chopper design for SSRL 4—55994

Tatchyn, R., Csonka, P.L., Lindau, I. Optimum zone plates for the soft X-ray range 4—56043

Tatchyn, R., Lindau, I. Transverse undulator spectra and polarization profiles 4—55802

Tatchyn, R., Lindau, I., Su, Y.G., Gutcheck, R., Muray, J., Csonka, P.L. X-ray lithography on Beam Line III-IV (3°) at SSRL 4—36378

Tatchyn, R. *see* Bachrach, R.Z. 4—56044

Tatchyn, R. *see* Pianetta, P. 4—52156

Tate, A. *see* Yoshinaga, T. 4—33922

Tategami, T. Transistor inverter 'SELVIC-7000C series' 4—45505

Tateishi, K, Hoshino, Y. Three-layer photoreceptor (Se-SeTe-Se) with high sensitivity in the long-wavelength region 4—47327

Tateishi, K. *see* Ochi, H. 4—32295

Tateishi, S., Takahashi, Y., Fuchida, K. Characteristics of sealed Ni-Cd button cells (improved model FT) for computer memory retention 4—57311

Tateno, F. *see* Ando, S. 4—59650

Tatro, J.S. *see* Roscoe, S.N. 4—61872

Tatsuki, K. *see* Nishigaki, S. 4—51560

Tatsuki, M., Kato, S., Okabe, M., Sakurai, H., Osaki, S. A 1500-gate ECL gate-array device 4—58267

Tatsumi, S. *see* Hirakura, K. 4—53168

Tatsumi, S. *see* Ushida, N. 4—56030

Tatsuoka, M. *see* Matsuki, K. 4—40627

Tatsuoka, R. *see* Shibata, S. 4—61733

Tatsuta, N. *see* Kamibayashi, N. 4—43777

Tatsuta, S., Inata, T., Okamura, S., Hiyamizu, S. The effects of tungsten-halogen lamp annealing on a selectively doped GaAs/N-AlGaAs heterostructure grown by MBE 4—30401

Tatsuyama, C. *see* Miyake, I. 4—30522

Tatsuzawa, K. *see* Ebihara, N. 4—48587

Tatterson, G.B. *see* Chang, T.P. 4—55755

Tau, S. *see* Perez Ferreira, E. 4—33564

Tau Xionagin *see* Liu Lingling 4—59459

Taub, A.I. A new method for stress relieving amorphous alloys to improve magnetic properties 4—59126

Taub, M. *see* Theus, J. 4—51354
Taubenblatt, M.A., Thomson, D., Helms, C.R. Interface effects in titanium and hafnium Schottky barriers on silicon 4—36326
Tauber, A. *see* Leupold, H.A. 4—30957
Tauber, R.N. *see* Prussin, S. 4—51979
Taubert, G. *see* Schwede, R. 4—45317
Taubitz, G. Electrical testing of insulating fluids 4—42191
Taubitz, G. *see* Schumacher, K. 4—38608
Taubitz, S.B.G. Bistable polarised relay 4—51585
Tauc, J. Picosecond electronic relaxations in amorphous semiconductors 4—59305
Tauchi, T. *see* Ogawa, K. 4—33682, 4—61670
Taur, Y. *see* Chao, H.H. 4—30531
Taur, Y. *see* Hu, G.J. 4—36884
Tauscher, N., Kessel, W. Prozessgesteuerte Messwerterfassung am Beispiel Rauschmesstechnik (Process control measuring device with an example in acoustic technology) 4—44418
Tausendfreund, B., von Klitzing, K. Analysis of quantized Hall resistance at finite temperatures 4—51838
Tavares, H. *see* Lyra, C. 4—62119
Tavares, S.E. *see* Froh, M.J. 4—32425
Tavares, S.E. *see* Spencer, M.E. 4—53435
Tavendale, A.J. *see* Pearton, S.J. 4—33707
Tavildar, A.S., Gupta, H.M., Gupta, S.N. Linear MMSE filtering for restoration of images degraded by film grain noise 4—53912
Tavis, M.T., Garmire, E.M. Improved heat-sink design for coherent laser arrays 4—59515
Tavormina, J.J. Instrumentation radars for the measurement of radar cross section 4—44168
Tawada, Y. *see* Fujimoto, F. 4—58043
Tawara, H. *see* Doke, T. 4—55963
Tawara, K. *see* Gotoh, K. 4—43880
Tawil, R.A. *see* Velbeck, K. 4—39440
Tax, K. A concept of designing photolithographic equipment for producing microelectronic devices 4—52218
Tay, E.W., Murki, V.G.K. Unity-gain frequency-independent quadrature phase shifter 4—41462
Tay, G. *see* Yau, K.L. 4—30293
Taya, T. *see* Ishikawa, J. 4—49063
Taylor, A.D., Robinson, R.A., Seeger, P.A. Low-Q inelastic scattering with eV neutrons 4—56035
Taylor, A.D. *see* Brugger, R.M. 4—39486
Taylor, A.F., Campsie, I.C., Dickinson, F.S., Thatcher, G. Dounreay fast reactor boilers get a new lease of life. III. Development of the sleeving repair techniques 4—40024
Taylor, A.J. *see* Erskine, D.J. 4—46843
Taylor, A.M. Colour for naval operational displays—the user's view 4—33178
Taylor, A.S. EFG silicon sheet growth in production 4—29459
Taylor, B.E., Getty, R.R., Henderson, J., Needes, C.R.S. Air and nitrogen-fireable multilayer systems: materials and performance characteristics. I 4—36161
Taylor, B.E., Getty, R.R., Henderson, J., Needes, C.R.S. Air and nitrogen-fireable multilayer systems: materials and performance characteristics. II 4—41732
Taylor, B.E. *see* Allington, T.R. 4—58654
Taylor, B.G. *see* Schonfelder, V. 4—33779
Taylor, B.G. *see* Sims, M.R. 4—39422
Taylor, C.B.G. The Egyptian cancer project 4—56177
Taylor, C.D. *see* Giles, S. 4—53785
Taylor, C.G. Visual simulation—a new era 4—33926
Taylor, C.T. In search of corporate videotex 4—54237
Taylor, D. International videotex databases in practise 4—48113
Taylor, D.J., Lincoln, M.C. GIS built among high-rise buildings 4—45568
Taylor, D.M. Data communications system solutions in silicon 4—51062
Taylor, D.M., Al-Jassar, A.A. Investigation of space charges in SiO_2 thin films using a pulsed electron beam 4—46880
Taylor, D.M. *see* Mand, R.S. 4—30820
Taylor, D.P., Shafi, M. Decision feedback equalization for multipath induced interference in digital microwave LOS links 4—38457
Taylor, D.P. *see* McMillen, G.R. 4—48381
Taylor, D.R.S. *see* Smith, R.E. 4—56101
Taylor, E. Telephone answering machines—the problems explained 4—38345
Taylor, E. Schneider-Kreuznach: a tradition of quality and reliability [TV camera lenses] 4—61034
Taylor, E.J., Shia, G.A., Peters, D.T. A 'precharged' positive plate for the lead-acid automotive battery. I. Positive plate allowing direct incorporation of PbO_2 4—45593
Taylor, E.J., Shia, G.A., Peters, D.T. A 'precharged' positive plate for the lead-acid automotive battery. II. Effect of various PbO_2 types and paste formulations on 'precharged' positive plate performance 4—45594
Taylor, E.R., O'Neil, J.E., Poznaniak, D.T. SVC compensation of very long high voltage lines for limited loads 4—49582
Taylor, E.R., O'Neil, J.E., Poznaniak, D.T. Static compensators aid long-distance transmission 4—49606
Taylor, E.W. The BBC digital sound control vehicle—the acoustic design 4—44203
Taylor, E.W. The use of discharge lamps in film lighting 4—62817
Taylor, F. *see* Chester, D. 4—37909
Taylor, F.J. Block floating-point distributed filters 4—41497
Taylor, F.J. A logarithmic arithmetic unit for signal processing 4—55358
Taylor, F.J. *see* Shenoy, V.P. 4—38001, 4—60088
Taylor, G. *see* Camisa, R.L. 4—36844
Taylor, G.E. *see* Baxter, K.R. 4—34923
Taylor, G.N. Guidelines for publication of high resolution resist parameters 4—50612
Taylor, G.N. X-ray resist trends 4—52222
Taylor, G.N., Stillwagon, L.E., Venkatesan, T. Gas-phase-functionalized plasma-developed resists: Initial concepts and results for electron-beam exposure 4—51960
Taylor, G.N., Wolf, T.M., Stillwagon, L.E. The role of inorganic materials in dry-processed resist technology 4—30496
Taylor, G.N. *see* Wolf, T.M. 4—51961
Taylor, G.W. *see* Ng, K.K. 4—36867
Taylor, H.F. Extended precision in video-bandwidth analogue/digital convertors using optical techniques 4—35879
Taylor, H.F. Fiber and integrated optical devices for signal processing 4—37165
Taylor, H.F. *see* Nosu, K. 4—52742
Taylor, J. Reliable data communications 4—54452
Taylor, J. What problem. II [telephone exchanges] 4—60585
Taylor, J. *see* Boothman, G.M. 4—45353
Taylor, J. *see* Olsen, R. 4—48223
Taylor, J.E. The electric heat pump—an overview 4—35057
Taylor, J.E. *see* Olhoff, N. 4—50703
Taylor, J.H. Pulsars: nature's most precise clocks 4—39328
Taylor, J.R. *see* Sibbett, W. 4—31341
Taylor, J.R. *see* Smith, K. 4—31343, 4—52938
Taylor, J.T., Mavor, J. Exact design of stray-insensitive switched-capacitor lowpass ladder filters from unit-element prototypes 4—51412
Taylor, L.L. *see* Skolnick, M.S. 4—36263
Taylor, L.W., Jr. *see* Dahlgren, J.B. 4—44885
Taylor, M.J. *see* Lile, D.L. 4—30769
Taylor, M.J. *see* Messick, L. 4—35763
Taylor, M.R. *see* Tuppen, C.G. 4—46940
Taylor, M.W. *see* Goldhar, J. 4—52894
Taylor, N.B. Method of storing route guidance information using quadtrees 4—57460
Taylor, P.D. GTO thyristor device design 4—47016
Taylor, R. How the IEE amendment affects RCD testing 4—49988
Taylor, R., Pelletier, G. A case study in manufacturer/vendor disk evaluation 4—50564
Taylor, R.D. Automatic optical inspection [PCBs] 4—46684
Taylor, R.H. *see* Talbot, J.R.W. 4—34551
Taylor, R.J. Hazard analysis for low impedance voltages such as those produced by magnetic induction from electric transmission lines 4—39872
Taylor, R.J. *see* Kershaw, D.L. 4—32985
Taylor, R.J. *see* Park, H. 4—39299
Taylor, R.O. *see* Sen, P.K. 4—62543
Taylor, R.W. EPRI photovoltaic R&D program 4—40473
Taylor, R.W. *see* DeMeo, E.A. 4—57357
Taylor, R.W. *see* Gellings, C.W. 4—57572
Taylor, R.W *see* Witwer, J.G. 4—49816
Taylor, S., Watford, B. 6502 revival 4—46510
Taylor, S.P. *see* Green, P.F. 4—48514
Taylor, S.S., Hanlon, P.J. A dynamically precise 50 MHz 12-bit DAC using laser-wafer-trimming 4—35885
Taylor, T. Optical fibre installations call for new techniques [test instruments] 4—48745
Taylor, T. *see* D'Avanzo, D. 4—58542
Taylor, T.M. Distributed power processing: the systems solution 4—56488
Taylor, W. Resistance detectors under the microscope 4—39137
Taylor, W. The key to new business services 4—44007
Taylor, W. System stability aids industrial temperature measurement 4—55719
Tazaki, S., Takeda, F., Osawa, H., Yamada, Y. Performance comparison of 8-10 conversion code 4—44289
Tazaki, S. *see* Fukunaga, T. 4—61089
Tazamarias, S. *see* Wagoner, D.E. 4—33676
Tazhiev, E.I. *see* Kulichikhin, V.V. 4—40099
Tazima, T. *see* Horioka, K. 4—55798
Tazuke, K. *see* Setsune, K. 4—52381
Tazzari, S. *see* Biagini, M. 4—47384
Tazzioli, F. *see* Biagini, M. 4—47384
Te Kolf, H.-G. ARD, ZDF, DIN, DKE: broadcasting organisations and standardization 4—60974
Te Riele, H.J.J. On generating new amicable pairs from given amicable pairs 4—29318
Te-shih Chang *see* Chang Te-shih
Tebbs, J.D. *see* Sherman, S. 4—48059
Tebo, A. Backplane pins are solidly compliant 4—30202
Tebo, A. Review of infrared detector technology 4—39177
Tebo, A. IR detector technology. II. Arrays 4—61383
Teboulle, M. *see* Hasson, J. 4—39650
Tebra, W. The Nelsis/ICD project [VLSI chips CAD] 4—52154
Tecsy, M. Are screw machined sockets necessary in computers? 4—51596
Tedenac, J.C., Brun, G., Pradel, A., Coquillat, D., Pistoulet, B., Maurin, M. Physical properties of AgTlX (X=S, Se, Te) phases 4—36307
Tedenac, J.C. *see* Coquillat, D. 4—30390
Tedford, D.J. *see* Siew, W.H. 4—59052
Tedjojuwono, K., Asakura, T., Kawase, Y. Measurements of particle number density using the variable-fringe-spacing laser Doppler velocimeter 4—59652
Tedjojuwono, K., Kawase, Y., Asakura, T. Effect of particle density on the photodetector signal of differential-type laser Doppler velocimetry 4—47536
Tedjojuwono, K. *see* Kawase, Y. 4—39321
Tedone, M. *see* Fazzini, A. 4—34711
Tedori, L. *see* Lior, N. 4—55291
Tedrick, T. How to exchange half a bit 4—53433
Tedros, G. The development of the pan-African telecommunication network (PANAFTEL 1960-1983 4—38169
Tedrow, P.M. *see* Moodera, J.S. 4—33441
Teegarden, B.J. *see* Gehrels, N. 4—33704
Teer, D.G. *see* Ahmed, N.A.G. 4—29534
Tees, D.G., Craig, P.J. The application of predictive analysis to power plant maintenance 4—45940
Teets, R.E. Feedback to maintain injection locking of Nd:YAG lasers 4—42593
Tefler, R.G.J. Energy conservation 4—56716
Tegen, A. Road simulator and the digital oscilloscope used for fatigue tests 4—55308
Teh, C.H. *see* Kam, P.Y. 4—53613
Teich, G. A channel selection module for gigabit line access 4—43863
Teich, M.C. *see* Matsuo, K. 4—46784
Teichelmann, W. More complex circuit boards call for new tester concepts 4—36695
Teicher, P.E. *see* Herring, F.G. 4—32653
Teichmann, J. The E351D I^2L divider 4—29983
Teichmann, J., Famulla, M. Contribution to the electrical measurement of positioning errors of two planes in microchip manufacture 4—42117
Teichmann, J. *see* Tai, K. 4—42708
Teichmann, W. Problems in the analysis of nearly-linear networks 4—29616
Teii, S. *see* Chang, S.H. 4—59444
Teisseire, R. *see* Vignon, D. 4—62293
Teixeira, I.M.C., Lanca, M.J.A. An improved approach for the macrosimulation of digital circuits 4—29598
Teixeira, I.M.C., Lanca, M.J.A. Timing verification of large digital circuits 4—29833
Teja, E. Voice-technology chips and boards embed speech functions in systems 4—31914
Teja, E. High-speed signal processors 4—58353
Tejwani, Y.J. *see* Jones, R.A. 4—60247
Tek Kim Wha *see* Wha Tek Kim
Tekel, L. The contribution of the research activities to the realisation of small hydroelectric power plants in the CSSR 4—49792
Tekel, L. The development of nuclear power systems and the need for load regulating supplies using pumped storage power plants 4—56736
Telegdi, V.L. *see* Anderson, L. 4—55989
Telegin, G.G. *see* Alferov, G.N. 4—37332
Telegin, G.I. *see* Bazarov, E.I. 4—31140
Tel'ksnis, L. *see* Kligene, N. 4—46104
Tell, B. *see* Liao, A.S.H. 4—37228
Telle, H.H. Hydrogen-halide Lasers 4—31294
Telle, J.M. High repetition rates CF_4 laser 4—47409
Telle, J.M. *see* Carlsten, J.L. 4—53079
Tellefsen, J.A. *see* Grivitskas, V. 4—42457
Tello, A.G. *see* Awano, T. 4—57477
Telnov, V.I. *see* Ginzburg, I.F. 4—33583, 4—49052
Temchenko, V.S. *see* Grinev, A.Yu. 4—31782, 4—42983, 4—42991
Temerinac, M. Fast Fourier transform and some limitations in its applications 4—41033
Temerinac, M.R., Marincic, A.S. Phase modulator with low nonlinear distortion 4—51053
Temes, G.C., Haug, K. Improved offset-compensation schemes for switched-capacitor circuits 4—41464
Temes, G.C. *see* Rodriguez, B.A. 4—29680, 4—35648
Temime, J.P. *see* Blyth, W. 4—61092
Temime, J.P. *see* Chiariglione, L. 4—61097
Temirova, A.V. *see* Esepkina, N.A. 4—32887
Temkin, A.E. *see* Tarasov, R.P. 4—42404
Temkin, H., Tsang, W.T. Optically pumped $GaSb/Al_{0.6}Ga_{0.4}Sb$ multiquantum well lasers operating in the λ=1.5-1.6 μm region 4—31387
Temkin, H. *see* Dutt, B.V. 4—46226
Temkin, H. *see* Panish, M.B. 4—37354

Temkin, R.J. *see* Byerly, J.L. 4−41772
Temkin, R.J. *see* Danly, B.G. 4−59422
Temkin, R.J. *see* Kreischer, K.E. 4−36204, 4−41756
Temkin, R.J. *see* Woskoboinikow, P. 4−36206
Temkin, R.J. *(editor)* Eighth International Conference on Infrared and Millimeter Waves. Conference Digest 4−35142
Temma, T., Mizoguchi, M., Hanaki, S. Template-controlled image processor TIP-1 4−33208
Temma, T. *see* Nukiyama, T. 4−51306
Temmer, S.F. *see* Peus, S. 4−61145
Temmink, H.M.G. The atmospheric fluidized bed boiler of the TNO coal project 4−49743
Temnikov, V.A., Pilinskii, V.V., Rodionova, M.V. Analysis of circuit noises from pulsed feed sources 4−42888
Temnikov, V.A. *see* Pilinskii, V.V. 4−41443
Temple, J.L. *see* Lakin, P. 4−29659
Temple, S. A high speed slotted ring 4−43826
Temple, S. The design of the Cambridge Fast Ring 4−54425
Temple, T.A.De *see* De Temple, T.A.
Templeton, J.G.C. *see* Yao, D.D.W. 4−46081
Templeton, T.L., Arrott, A.S., Aharoni, A. Partially saturated ferromagnetic cylinders 4−31579
Temurdzhyan, A.V. *see* Khachatryan, V.S. 4−56404
ten Have, J.M. Fuel saving by optimal integration of on-board avionics and air traffic control 4−61874
ten Kate, H.H.J., Mulders, J.M., de Reuver, J.L., van de Klundert, L.J.M. AC loss measurements on a superconducting transformer for a 25 kA superconducting rectifier 4−62572
ten Kate, H.H.J. *see* de Reuver, J.L. 4−39884
ten Kate, W.R.T., van der Klauw, C.L.M. A new readout structure for radiation silicon strip detectors 4−39457
Tench, D. *see* Haak, R. 4−40388
Tench, D. *see* Jawitz, M. 4−30171
Tenchini, R. *see* Amendolia, S.R. 4−49068
Tendulkar, G.A., Bete, M. User-reconfigurable digital drive controller 4−57408
Tenedorio, J. *see* Clark, D. 4−58517
Tenedorio, J.G., Terzian, P.A. Effects of Si_3N_4, SiO_2, and polyimide surface passivations on GaAs MESFET amplifier RF stability 4−46621
Teng, K.W., Li, S.S., Krull, W. An extension of the ideal diode analysis for the heavily doped *p-n* diode 4−47006
Teng, L. *see* Huson, F.R. 4−39373
Tengler, W. *see* Grallert, H.-J. 4−43452
Tengler, W. *see* Hammer, B. 4−43454
Tenini, H., Baumgartner, U. Precision sink-eroding in microprocessing 4−35300
Tenkhoff, P.A. Public and private networks: a role for both? 4−32398
Tenkhoff, P.A., Collard, J.C. IRCs and the international connection 4−32484
Tennant, D.M. *see* Bosch, M.A. 4−52113
Tennant, D.M. *see* Ko, P.K. 4−36885
Tennant, D.M. *see* Skocpol, W.J. 4−51899
Tennant, D.M. *see* Tewksbury, S.K. 4−52124, 4−52125
Tennant, H.R. *see* Bucy, J.F. 4−35855
Tennant, W.E. Recent developments in HgCdTe photovoltaic devices grown on alternative substrates using heteroepitaxy 4−37233
Tennant, W.E. *see* Edwall, D.D. 4−29482
Tenne, R., Flaisher, H., Triboulet, R. Photoelectrochemical etching of ZnSe and nonuniform charge flow in Schottky barriers 4−41923
Tenne, R. *see* Cahen, D. 4−40370
Tenne, R. *see* Flaisher, H. 4−45588
Tenne, R. *see* Tomkiewicz, M. 4−50054
Tenney, F.H. Idealized pulse pileup effects on energy spectra 4−33749
Tennison, D.L. *see* Livshits, V.Ya. 4−42324
Tenny, R. Inside the CIA 4−46531
Tenter, U. *see* Hocke, J. 4−38234
Tenti, P. *see* Malesani, L. 4−57201
Tenyakov, A.Yu., Lavrinenko, V.P., Kudryavtsev, I.V. Experience of operation of press-fitted contact connections of the cores of control cables at an atomic power station 4−62217
Teodorescu, V. *see* Stoian, M. 4−49812
Teodoru, E. *see* Harghel, S. 4−34568
Tepel, R. *see* Berndt, D. 4−57329
Tepper, W.D. *see* DeYoung, R.J. 4−39663
ter Haar Romeny, B.M. Single-fibre electromyography with a personal computer 4−39567
ter Maat, H.J., Jacobs, G.W. Modernization of an energy control centre and data processing system within an iron and steel works 4−57611
ter Meulen, V. *see* Gerlach, B. 4−38063
ter Meulen, V. *see* Kriete, A. 4−32060
Ter-Akopian, G.M. *see* Chepigin, V.I. 4−39420
Ter-Antonian, S.V. *see* Asatiani, T.L. 4−61719
Ter-Gazaryan, A.G. *see* Astakhov, Yu.N. 4−44964
Ter-Gazaryan, G.N., Kherkheulidze, I.A., Bletkin, N.P., Maisuradze, L.V. Monitoring density of active steel of hydro and turbogenerators 4−40210
Ter-Martirosyan, L.T. *see* Dedyk, A.I. 4−58819
Ter-Pogossian, M.M. *see* Ficke, D.C. 4−33812
Terada, A. *see* Ishii, O. 4−47175
Terada, A. *see* Ohta, S. 4−59139
Terada, K., Ishijima, T., Kurosawa, S., Suzuki, S. A new VLSI memory cell using capacitance coupling (CC cell) 4−58324
Terada, K., Ishijima, T., Suzuki, S., Tanno, K. Advanced DMOS memory cell using a new isolation structure 4−59029
Terada, K. *see* Takada, M. 4−29873
Terada, M. Energy transfer mechanism of the laser dye mixture solution 4−42585
Terada, M., Seki, T., Kashio, J., Hori, Y. A front end processor for high speed packet multiplexed line 4−60590
Terada, N., Amemiya, Y. The performance of the dipole array applicator for radiofrequency hyperthermia 4−44777
Terada, T., Kitaura, Y., Mizoguchi, T., Mochizuki, M., Toyoda, N., Hojo, A. Self-aligned Pt-buried gate FET process with surface planarization technique for GaAs LSI 4−30730
Terada, T. *see* Ikawa, Y. 4−51168
Terada, T. *see* Kobayashi, N. 4−30804
Terada, T. *see* Shimizu, S. 4−51387
Terada, T. *see* Toyoda, N. 4−29883
Terada, T. *see* Yamamoto, N. 4−42175
Terakado, R. *see* Shibata, H. 4−30134, 4−42891
Terakawa, S. *see* Senda, K. 4−44452, 4−59340
Teramachi, Y. *see* Noguchi, Y. 4−42207
Teramoto, I. *see* Ohta, I. 4−36584
Teramura, H. International facsimile communications over packet switched network 4−32293
Teranaka, M. *see* Ushida, N. 4−56030
Teranishi, K. New VX-series 35° inclined escalators 4−50167
Teranishi, N. *see* Oda, E. 4−39078
Terasaka, K., Tsujii, Y., Mitsui, N., Amari, Y., Kakimoto, T., Yamazaki, T., Takezaki, T. Accelerated testing of moisture induced aluminum corrosion [in plastic-encapsulated ICs] 4−59012
Terasawa, K. *see* Kaihara, M. 4−38356
Terasawa, K. *see* Ochiai, A. 4−54637
Terasawa, Y. *see* Shimizu, Y. 4−58893
Terashima, K., Katsumata, T., Orito, F., Fukuda, T. Vertical magnetic field applied LEC apparatus for large diameter GaAs single crystal growth 4−46205
Terashima, K., Orito, F., Katsumata, T., Fukuda, T. Effect of magnetic field on residual impurity concentration in LEC GaAs single crystal 4−58004
Terashima, K. *see* Fukuda, T. 4−46208
Terauchi, H. *see* Imura, T. 4−29515
Terayama, T. *see* Ito, F. 4−34497
Terayama, T. *see* Nakamoto, Y. 4−62470
Terdan, F.F. *see* Zana, L.M. 4−42806
Terebilov, A.V. *see* Sandalov, A.N. 4−46768
Terebilov, A.V. *see* Vasil'yev, Ye.I. 4−30258
Terekhin, V.I. Control of efficiency in construction of new instruments 4−40824
Terekhova, O.I. *see* Bykov, V.V. 4−38834
Terent'ev, Ya.V. *see* Ganichev, S.D. 4−58723
Terepin, S. A graphical notation for describing data flow in digital filters 4−51456
Tereping, A.A. Widening the bandwidth of telephone channels used for reporting 4−60405
Tereshchenko, N.F. *see* Braiko, V.V. 4−55647
Tereshin, V.I. *see* Manoilo, V.S. 4−46390
Terg, V.I. *see* Evdokimov, V.V. 4−57816
Terhorst, A. *see* Brandt, E. 4−56649
Terlicki, G. Optical measuring methods in the semiconductor industry 4−55691
Terman, C.J. RSIM−a logic-level timing simulator 4−29756
Terman, L.M. *see* Hu, G.J. 4−36884
Termuehlen, H. *see* Engelke, W. 4−49843
Terol Alonso, S. *see* Hernandez Neira, J.L. 4−52782
Terplan, K. Network capacity planning 4−48233
Terpugov, A.F., Tonkonogov, Yu.M. Search for a signal in a multichannel system when the signal can shift from one channel to another 4−53644
Terrace, S.G. *see* Rabiner, L.R. 4−37892, 4−43270, 4−59993
Terrail, Y.Du *see* Du Terrail, Y.
Terreault, R.C. What do ISDN users need? 4−60357
Terrell, P.M. *see* Edwards, D.J. 4−38517
Terrenzio, E. *see* Argyle, B.E. 4−30976
Terrie, D.L. Local-area networks 4−43736
Terrill, R.M. Comments on 'Influence of test parameters on the measurement of the coefficient of friction of magnetic tapes' 4−41136
Terry, D.B., Andler, S. The COSIE Communication Subsystem: support for distributed office applications 4−54354
Terry, J.L., Jr. Tomorrow's flight controls: helicopter fly-by-light 4−44848
Terry, L. *see* Wrathall, R.S. 4−36744
Terry, S.W. Alarm extender 4−30049
Terry-Wood, S. *see* Milsom, R.F. 4−52433
Tersigni, A. *see* Perez Ferreira, E. 4−33564
Tertyshnyi, G.A. *see* Gurvits, A.E. 4−62865
Terui, Y. *see* Akiyama, S. 4−36866
Terukov, E.I. *see* Andreev, A.A. 4−30366
Terunuma, K., Nishigaki, S. A method for measuring the equivalent circuit elements for a piezoresonator 4−52346
Terunuma, Y. *see* Kanamori, T. 4−52599
Tervonen, M., Lehikoinen, H., Mukari, T. Accommodating a turnkey CAD/CAM system to organizational needs 4−58120
Terzhova, V.P. *see* Akhiyezer, A.N. 4−31732
Terzian, P.A. *see* Clark, D. 4−58517
Terzian, P.A. *see* Tenedorio, J.G. 4−46621
Tesarzh, K. *see* Khovanets, Ya. 4−32471
Tesch, L. *see* Guther, R. 4−53105
Tesche, C.D. The IBM monopole experiments 4−33738
Tesche, C.D. *see* Chi, C.C. 4−44594, 4−55408
Tescher, A.G. *see* Saghri, J.A. 4−47912, 4−53820
Teschi, C.D. *see* Bermon, S. 4−53234
Teschler, L. Single-board computers pack more punch 4−41384
Teschler, L. Digital simulation on PCs 4−58113
Teshima, K. *see* Sekikawa, K. 4−54827
Teshima, T. *see* Nishizawa, J. 4−37244
Tesic, M.M., Sones, R.A., Morgan, D.R. Single slit digital radiography: some practical considerations 4−49156
Teslenko, G.I. *see* Malyutenko, V.K. 4−59318
Tesny, W., Bany, B. A review of new designs of measurement sensors 4−44505
Tessar, H. Opportunities and risks in the use of Bildschirmtext in trade 4−54291
Tessier, J.H. *see* Senda, Y. 4−34326
Tessmer, R., Springer, S. Digital simulation of process quantities of electric drive techniques at the microcomputer development system MRES 20 4−57389
Testa, A. *see* Battistelli, L. 4−49724
Testa, A. *see* Carpinelli, G. 4−57135
Testa, A. *see* Gagliardi, F. 4−45492, 4−51583, 4−56631
Testa, F. *see* Bartolucci, G.C. 4−59261
Testa, F. *see* Gaviano, M. 4−35433
Testardi, L.R. *see* Norton, S.J. 4−55731
Testoni, J. *see* Perez Ferreira, E. 4−33564
Testov, P.P. *see* Senyagin, Yu.V. 4−40306
Tetenbaum, S.J., Weiss, J.A. Analysis of microwave-aided freeze-drying 4−62822
Teterin, A.V. Comparative analysis of estimation-process dynamics for ordinary and stationary Kalman filters 4−43294
Tetsutani, N. *see* Ochi, H. 4−32295
Tetzlaff, D.E. Pretesting of integrated circuits 4−29288
Tetzlaff, W. *see* Braunlich, P. 4−33889
Tetzner, K. Bavarian broadcast network: test station Gauting 4−32899
Tetzner, K. The first German communications satellite. Almost a billion DM matter 4−54667
Teuber, W. *see* Voelker, E.J. 4−44345
Teubner, W. *see* Rott, W. 4−59872
Teuchner, K. *see* Scholz, M. 4−52888
Teumin, I.I. *see* Gordon, G.I. 4−31141
Teunon, I.C. Diver guidance using area navigation techniques 4−44175
Teunon, I.C., Lang, M.A. Recent developments in high accuracy microwave positioning systems 4−38498
Tevan, G. General expression of the action integral in electrodynamics 4−37538
Tevanian, A. *see* Sher, D. 4−58386
Tew, C.E. Fading memory focal plane processor 4−59348
Tew, M., El-Khoury, G. A hybrid method for analysis of wire structures attached to long wires 4−59708
Tewarson, R.P. *see* Kim, K.I. 4−39536
Tewell, J.R., Dillon, L.G. Adaptability of STS avionics to an unmanned shuttle derived reusable launch system 4−61861
Tewksberry, S.K. *see* Bosch, M.A. 4−47130
Tewksbury, S.K., Biazzo, M.R., Harrison, T.R., Lindstrom, T.L., Tennant, D.M., Storz, F.G. Static and nonequilibrium transient conductance at strong carrier freeze-out in a buried channel, metal-oxide-semiconductor transistor 4−52124
Tewksbury, S.K., Biazzo, M.R., Lindstrom, T.L., Tennant, D.M. Depletion layer formation rate at $T<30K$ in buried channel, metal-oxide-semiconductor transistors 4−52125
Tewksbury, S.K. *see* Bosch, M.A. 4−52113
Texier, A., Grezes, C. 'Teletel' as it is today 4−38251
Texier, A. *see* Hamelin, J.-M. 4−38256
Texier, A. *see* Roy, B. 4−43718
Teyssier, L., Epsztein, B. Advances in submillimeter carcinotrons 4−36211
Tez, E.S. Direct digital control algorithms for a class of DC drives 4−57073
Tez, E.S., Smith, I.R. The parametric transformer: a power conversion device demonstrating the principles of parametric excitation 4−57121
Tezlevan, V.E. *see* Georgobiani, A.N. 4−30389
Tezuka, A. *see* Katayama, S. 4−62731
Tezuka, S. *see* Matsuda, Y. 4−53509
Tezuka, Y., Kumamoto, H., Saito, Y., Ueno, F., Inoue, T. A low power DC-DC converter using a switched-capacitor transformer 4−50980
Tezuka, Y. *see* Inoue, T. 4−47710

Thabit, S.S. A study of the technique of life-cycle costing as applied to the appraisal of oilfield power supply systems 4—39772
Thackara, J. *see* Warde, C. 4—42412
Thacker, K.H. Home banking—a harsh look at reality 4—54246
Thacker, K.R. Bringing the information revolution to the seas 4—60781
Thai Pham Ngok *see* Pham Ngok Thai
Thakor, N.V. *see* Kuhn, R.H. 4—44784
Thakur, A.V. *see* Varghese, P.M. 4—29249
Thaler, H.-J., Michelfeit, R. Characterization and performance comparison of high linearity RF power amplifiers for 16 QAM digital radio systems 4—32666
Thall, R. New aids increase reliability of 999 calls [telephone equipment] 4—60406
Thaller, F.X. *see* Clausen, H.D. 4—43487
Thalmann, E. *see* Eager, G.S., Jr. 4—62193
Thames, G. Ericsson's first automatic telephone exchange 100 years 4—32594
Thang, N.Toan *see* Toan Thang, N.
Thangasamy, S., Ray, R.N., Srisailam, M.C. Nuclear power plant optimal control by successive linear programming 4—34287
Thanh, P.Le *see* Le Thanh, P.
Thaniyavarn, S. *see* Cordero-Iannarella, R.F. 4—61328
Thanyavarin, S. *see* Wummer, J. 4—61378
Thapa, M.N. Optimization of unconstrained functions with sparse Hessian matrices—Newton-type methods 4—46147
Thapar, N. Novel systems to read electricity meters 4—60435
Thareja, A.K., Agrawala, A.K. On the design of optimal policy for sharing finite buffers 4—53968
Tharp, A.L. *see* McPeters, D.L. 4—47795
Thatcher, G. *see* Taylor, A.F. 4—40024
Thayer, M., Anderson, W.A., Rao, B.B. Reliability of MINP compared to MIS, SIS, and N/P silicon solar cells under 1.0-MeV electron and environmental effects 4—45638
Theberge, J.E. *see* Newby, G.B. 4—29545
Theil, G. *see* Eimerer, T. 4—34201
Theis, D.J. *see* Greenberg, E.L. 4—49353
Theis, T.N. *see* DiMaria, D.J. 4—52812
Theisen, K.H. Data processing in German Post Office service 4—43540
Thel'mer, F.I. *see* Provosin, A.S. 4—38784
Theobald, P. *see* Liechti, K.M. 4—57843
Theocharis, J., Petridis, V. Comparison of three nonlinear filtering schemes 4—53331
Theodosiou, G.E., Kononenko, W., Selove, W., Owen, D., Cox, B., Wagoner, D. Cherenkov and scintillation light measurements with scintillating glass, SCG1C 4—33677
Theodosiou, G.E. *see* Kononenko, W. 4—33692
Theriault, K.B. Spatial properties of pulsed-Doppler current profiling systems [oceanography] 4—56313
Therrien, C.W. *see* Richard, M.D. 4—60239
Thery, J. *see* Vivien, D. 4—42591
Thery, P. *see* Pauporte, A. 4—41307
Theus, J., Taub, M., Balakrishnan, R.V. Futurebus anticipates coming needs 4—51354
Thevenin, J.C. *see* Cavan, J.C. 4—42333
Thevenon, A. *see* Lerner, J.M. 4—47517
Theysohn, H., Schumacher, J. Improvement of the suppression of artefacts in the electromyogram recorded with surface electrodes by using active high-pass filters with variable cutoff frequency and minimal signal loss 4—61788
Thiagarajan, P.S. *see* Fernandez, C. 4—29367
Thibadeau, R., Friedman, M. Automatic inspection for printed wiring. I 4—51627
Thibon, D. *see* Leboulleux, J. 4—34184
Thickbroom, G.W., Mastaglia, F.L., Carroll, W.M. Computerised topographical mapping of scalp recorded event-related potentials 4—44752
Thiebaut, J. *see* Charreyre, M. 4—55642
Thieberger, P. Possible use of synchrotrons as post-acceleration boosters for tandems 4—33575
Thieberger, P. The Brookhaven Double MP Facility: recent developments and plans for the future 4—33587
Thieblemont, R. *see* Gousty, Y.L. 4—29185
Thiel, C.T. Reach out and touch someone's car [mobile radio] 4—38461
Thiel, C.T. Teleconferencing—a new medium for your message 4—48614
Thiel, C.T. Positive complements negative [CMOS technology] 4—52275
Thiel, F.A. *see* Zach, F.C. 4—49979
Thiel, K. Quality assurance system for the paper industry 4—57861
Thiel, K., Merck, E. Performance of Merck Selectilux p positive photoresist in aluminium plasma etching and high current ion implantation 4—36673
Thiele, G.A. *see* Davidson, S.A. 4—37716
Thiele, H. Communication reg. Series 5: magnets make music. VIII. Hi-fi stereo—how it came about 4—37009
Thiele, L. Design of sensitivity and round-off noise optimal state-space discrete systems [digital filters] 4—30021
Thielemans, H. *see* van Brussel, H. 4—41706
Thielen, H. *see* Hombach, V. 4—59865
Thiels, G.M. *see* Murray, C.N. 4—56000
Thiemann, R. *see* Haberacker, P. 4—38077
Thiennot, J. Lightwave undersea transmission systems 4—54753
Thierauf, S. *see* Beck, J. 4—51304
Thierer, G. *see* Immendorfer, M. 4—60067
Thiers, J.F. Measurement bench for soft magnetic materials 4—33437
Thiesse, J.C.Le *see* Le Thiesse, J.C.
Thiessen, D.R. *see* Fenton, B.P. 4—55321
Thim, H. *see* Lindner, G. 4—60847
Thim, H. *see* Lubke, K. 4—33302
Thimmesch, D. An SCR inverter with an integral battery charger for electric vehicles 4—57221
Thinschmidt, H. *see* Geitz, G. 4—59141
Thio, T. *see* Kastner, M.A. 4—58742
Thio, Y.C. *see* Clark, G.A. 4—42815
Thio, Y.C. *see* Fikse, D.A. 4—42797
Thio, Y.C. *see* Patch, L. 4—42814
Thione, L. Evaluation of the switching impulse strength of external insulation 4—62187
Thioulouse, P. *see* Izrael, A. 4—36435
Thirlwell, J. Frequency scaling of slant-path attenuation 4—37578
Thirumaleshwar, M. *see* Ramachandran, C.K. 4—61870
Thiruvengadam, S. *see* Indulkar, C.S. 4—56672
Thiry, J.M., Compere, M., Buyse, H. A simplified model of the multiple armature, polyphase self-controlled synchronous machine 4—49863
Thiry, J.M. *see* Van Hulse, J. 4—34634
Thode, L.E. Investigation of energy spread and angular scatter in inner and outer conductor foilless diodes 4—36196
Thode, L.E. *see* Kwan, T.J.T. 4—51701
Thode, L.E. *see* Peratt, A.L. 4—30271
Thom, G.A., Snyder, E. Link performance analysis and monitoring: a unified approach to divergent requirements 4—48772
Thoma, A. *see* Mamberer, H. 4—50271
Thoma, E.P. Tapered RAM bit line 4—46462
Thoma, H., Frey, M., Holle, J., Kern, H., Reiner, E., Schwanda, G., Stohr, H. Paraplegics should learn to walk with fingers 4—49316
Thoma, N.G. Dynamic L1/static L2 merged CMOS register circuits 4—35910
Thoma, N.G. *see* Heller, L.G. 4—51167
Thomae, R.W. *see* Granneman, E.H.A. 4—61609
Thomalla, E. *see* Quenzel, H. 4—61935
Thomann, G. *see* Jong, M. 4—50233
Thomann, J. Principles and use of mains units 4—34735
Thomas, A. *see* Servel, M. 4—43565
Thomas, B. Experiences with a local wideband network 4—32368
Thomas, B.G. *see* Hall, D.C. 4—56430
Thomas, C. Digital telephony, innovation and the basis of future opportunity 4—60390
Thomas, C.B., Goulding, M.R. The electrical conductivity and thermopower of films of amorphous tungstic oxide 4—30362
Thomas, C.K. Texas Instruments transportable design utility—TDU 4—29830
Thomas, C.W. *see* Liebman, J. 4—49204
Thomas, D. *see* Cavill, B.R. 4—48711
Thomas, D. *see* Wong, C.S. 4—44924
Thomas, D.E., Hoeft, L.O., Hofstra, J.S., Tricarico, J.D. Measurements and calculations of the crosstalk due to capacitive coupling between connector pins 4—37666
Thomas, D.E. *see* Kowalski, T.J. 4—36708
Thomas, D.M., Hayes, M.H. Procedures for signal reconstruction from noisy phase 4—60092
Thomas, E. *see* Buchhammer, I. 4—39519
Thomas, E.A. *see* Johnson, D.S. 4—30875, 4—59083
Thomas, E.S., Monroe, P.I. Computer analysis of neutral-to-earth potentials on rural [distribution networks] systems 4—62183
Thomas, G. *see* Akkouche, S. 4—60080
Thomas, G. *see* Rabenburg, L. 4—31030
Thomas, G.E. Convective cell formation in a gyro-traveling wave tube 4—41782
Thomas, G.E. *see* Goplen, B. 4—30269
Thomas, H. Developments around the Pacific [videotex] 4—48103
Thomas, H., Roddy, J. Applying videotex in organizations 4—60450
Thomas, H.D., Turner, M.J.L. A large area, high pressure, sealed, xenon-filled imaging proportional counter for applications in X-ray astronomy 4—39423
Thomas, H.L. Use basic physics and chemistry to help dielectric behavior 4—59076
Thomas, H.-M., Wittig, G. Crack indications in pulsed eddy current testing: behaviour of the signals and problems related to spatial resolution of probe coils 4—41126
Thomas, J. *see* Hermsdorf, I. 4—40884
Thomas, J.B. *see* Moustakides, G.V. 4—47825
Thomas, J.B. *see* Swaszek, P.F. 4—37843
Thomas, J.E., Dasari, R.R., Feld, M.S. Photon recyclers 4—47408
Thomas, J.H. *see* Vossen, J.L. 4—46941
Thomas, J.L. *see* Rydwanski, F.C., Jr. 4—45977
Thomas, J.S. Integration of design automation tools for the custom VLSI capability of a systems firm 4—50429
Thomas, L.M. Television 4—48591
Thomas, L.P., Winter, R.E. Self-clearing self-synchronizing multiclock generator 4—46538
Thomas, M., Plenge, G. The influence of variable pre-emphasis on localisation and tone quality in the transmission of stereophonic signals 4—44206
Thomas, M.A. *see* Greaves, C. 4—40381
Thomas, M.E., Louw, A. A programmable high current/low voltage power supply 4—50958
Thomas, M.E. *see* Ko, H.W. 4—32867
Thomas, M.P. What's next in digital switching? 4—48357
Thomas, M.P. From generation to generation telephone switching systems development 4—54516
Thomas, P. EF6805CT—the largest microcomputer on the 6805 chip 4—51256
Thomas, P.D.F. Design, operation and maintenance considerations in the application of large synchronous motors for refiners 4—34616
Thomas, P.D.F. Larger AC drives in the pulp and paper industry 4—62884
Thomas, P.M., Harrison, K.G., Scott, M.C. A multisphere neutron spectrometer using a central ^{3}He detector 4—61725
Thomas, R.E. A standardized digital bus for business aviation 4—49384
Thomas, R.E. *see* Marrian, C.R.K. 4—30242
Thomas, R.E. *see* Thomson, I. 4—30620
Thomas, R.J. *see* Lyons, J.P., Jr. 4—49826
Thomas, R.R. Creating communication links 4—47978
Thomas, R.R. Controlling telecom costs 4—50394
Thomas, R.R. Toward the teleport 4—54666
Thomas, R.W., Calabrese, D. Phenomenological observations on electromigration: movie presentation 4—42135
Thomas, R.W.L. *see* Guenther, G.C. 4—61962
Thomas, S.A. *see* Dugan, R.C. 4—56588
Thomas, S.A. *see* McDonald, J.D. 4—34099, 4—48388
Thomas, S.R., Ackerman, J.L. The instrumentation of nuclear magnetic resonance imaging 4—49183
Thomas, S.W. *see* Price, R.H. 4—39066
Thomas, W. *see* Darby, J. 4—35263
Thomas, W.L. Teletext: where is the industry headed? 4—54234
Thomas, W.V. *see* Paler, K. 4—51668
Thomasson, D.M. *see* Horn, B.A. 4—49153
Thomauske, B. *see* Arefiev, A. 4—55843
Thome, F.V. *see* Johnson, R.T., Jr. 4—34284
Thomee, V. *see* Eriksson, K. 4—46174
Thomin, G. *see* Gazalet, M.G. 4—52724
Thominet, G. A mixed opto-electrical cable for a color camera link 4—44080
Thomlinson, W. *see* Hastings, J.B. 4—56049
Thompson, A., O'Sullivan, D. Preliminary results on the registration temperature effect for uranium ions in various solid state nuclear track detectors 4—55954
Thompson, A., O'Sullivan, D., Wenzel, K.-P., Domingo, V., O'Ceallaigh, C., Daly, J., Smit, A. An extensive solid state nuclear track detector array for the study of ultra heavy cosmic ray nuclei aboard the NASA Long Duration Exposure Facility (LDEF) 4—55956
Thompson, A. *see* O'Sullivan, D. 4—55885, 4—55950, 4—55957
Thompson, A.C., Llacer, J., Campbell Finman, L., Hughes, E.B., Otis, J.N., Wilson, S., Zeman, H.D. Computed tomography using synchrotron radiation 4—56095
Thompson, A.C. *see* Neureuther, A.R. 4—52157
Thompson, A.C. *see* Otis, J.N. 4—39544
Thompson, A.C. *see* Zeman, H.D. 4—39537, 4—56094
Thompson, A.R. *see* D'Addario, L.R. 4—54926
Thompson, A.V. Micro-CAP: an analog circuit design system for personal computers 4—46290
Thompson, B.J. Optical and hybrid processing system 4—32022
Thompson, B.J. Current trends in optical and hybrid processing methods 4—43405
Thompson, B.J. *see* Malyak, P.H. 4—53093
Thompson, C.D., Raghavan, P. On estimating the performance of VLSI circuits 4—42132
Thompson, C.V. *see* Atwater, H.A. 4—30432
Thompson, C.V. *see* Smith, H.I. 4—29485
Thompson, D.T. *see* Eggers, D.E. 4—61892
Thompson, G.B. Information economics and network architecture 4—54414
Thompson, G.L., Singhal, S. A successful algorithm for solving directed Hamiltonian path problems 4—46111
Thompson, G.L. *see* Sethi, A.P. 4—46150
Thompson, J.E. *see* Lewis, J. 4—30824
Thompson, J.F. *see* Austin, C.W. 4—40937
Thompson, J.R. *see* Kerchner, H.R. 4—39279
Thompson, L., Gross, C.A. Modelling transformers in *N*-phase power system applications 4—62598
Thompson, L.B., Auble, T.E. Large-scale experiments on the effects and control of hydrogen in nuclear containments 4—49707
Thompson, L.D. *see* Schuman, H.K. 4—47694
Thompson, L.R., Gobis, L., Bishop, D., Rocca, J.J., Emery, K., Collins, G.J. Conformal step coverage of electron beam-assisted CVD of SiO_2 and Si_3N_4 films 4—29532
Thompson, M.A. *see* Webber, I. 4—29211

Thompson, M.G. *see* Ayre, C.A. 4—33763
Thompson, M.G. *see* Ozturk, M.C. 4—36285
Thompson, M.N. The design of the EM420 and its applications 4—30289
Thompson, M.O., Galvin, G.J., Mayer, J.W., Peercy, P.S., Poate, J.M., Jacobson, D.C., Cullis, A.G., Chew, N.G. Melting temperature and explosive crystallization of amorphous silicon during pulsed laser irradiation 4—46915
Thompson, P. Monostable frequency divider 4—35710
Thompson, P. Single chip oven temperature controller 4—57547
Thompson, P.E. *see* Boos, J.B. 4—52119
Thompson, P.H., Drake, C.P. Career development activities in R&D organizations 4—50412
Thompson, R. *see* Jawitz, M. 4—30171
Thompson, R.G. Practical design considerations for conventional control panels a case study 4—50484
Thompson, R.P. *see* Heffner, G.C. 4—56464
Thompson, S. Instruments for insulation and continuity testing 4—40777
Thompson, S.B. *see* Gagliano, J.A. 4—39300
Thompson, V. Information technology in education and training: the CET view 4—50372
Thomsen, F. On the resolution of Dicke-type radiometers 4—39690
Thomsen, G. *see* Kaplinsky, C. 4—41420
Thomsen, G. *see* Magill, J. 4—32372
Thomson, D. *see* Taubenblatt, M.A. 4—36326
Thomson, D.J. A theory of synchronization 4—43047
Thomson, D.J. Spectrum estimates and the Karhunen-Loeve expansion 4—43060
Thomson, D.J. Information in spectrum estimation 4—43069
Thomson, D.J. *see* Card, H.C. 4—36323
Thomson, D.J. *see* Mbewe, D.J. 4—42483
Thomson, I., Thomas, R.E., Berndt, L.P. Radiation dosimetry with MOS sensors 4—30620
Thomson, R.N. A portable system for high resolution ultrasonic imaging on site 4—50842
Thomson, W.J. Mineral reactions during high temperature oil shale processing 4—35097
Thomspon, A.C., Goulding, F.S., Walton, J.T. Use of semiconductor detectors with synchrotron radiation 4—55838
Thonet, C. *see* van der Voort, E. 4—45911
Thong, T. Digital filtering for the reconstruction of color images in a line sequential chroma system 4—53817
Thong Nguyen, D., Kennedy, H., Cornwall, J. A vocalized color recognition system for the blind 4—56182
Thongtem, S. *see* Tunkasiri, T. 4—42484
Thonn, T.F. *see* Azzam, R.M.A. 4—52746
Thony, J.L. *see* Bernard, R. 4—56273
Thoren, W., Heiland, G., Kohl, D., von Lohneysen, H., Platen, W., Schink, H.-J. New experimental results for electron transport in weak accumulation layers on ZnO crystals 4—51785
Thoresen, P.E. *see* Moen, T.O. 4—62268
Thorington, C., Ferguson, P. Limiting beam current in gyrotrons due to space charge depression 4—36203
Thorkildsen, R. *see* Brown, M.K. 4—37891, 4—53540
Thorn, J.S. Time transfer using the Geostationary Operational Environmental Satellite 4—38500
Thorn, R. *see* Eastham, D.A. 4—33565
Thornburg, D.D., Wasielewski, M.C. Applying GPS to training systems 4—48532
Thorne, C., Wegweiser, D. The Saudi Arabian Telephone Expansion Project 4—60385
Thorne, P. Predictable reliability 4—42047
Thorning, G. Implementing private wide-area packet switching networks 4—43908
Thorning, G.P. Data communications 4—60376
Thornton, A.R.D. *see* Blunn, R.W. 4—33842
Thornton, R.B., Jr. *see* Bejjani, F.J. 4—56069
Thorp, T.L. *see* Morison, J.D. 4—45949
Thorpe, J.B., McLane, P.J. A hybrid phase/data Viterbi demodulator for encoded CPFSK modulation 4—31884
Thorpe, J.L. *see* Mainwaring, S.J. 4—33993
Thorpe, J.R. Articulated cable support 4—46657
Thorpe, T. *see* Bube, R.H. 4—41835
Thorsen, R.S. Industry professorships: the inverse sabbatical solution to engineering faculty development 4—35170
Thorson, H.T. *see* Geselowitz, D.B. 4—49208
Thoss, D., Reppe, G. Thick-film resistors in multilayer structures 4—41731
Thoss, D. *see* Reppe, G. 4—46742
Thostesen, T.O. *see* Jaffe, L.D. 4—34521
Thottuvelil, V.J., Wilson, T.G., Owen, H.A., Jr. Unusual high-frequency behavior of some amorphous metallic-alloy tape-wound magnetic cores 4—59149
Thow, G. *see* Huckett, P. 4—38153
Thrasher, W.J. Halt redundant member failure on 765 kV towers 4—45147
Threewitt, B. RAM's on-chip registers build simple control stores that include self-diagnostics 4—51197
Throolin, H.G. *see* Ferguson, H.R.P. 4—29330
Thrope, G.B., Peckham, P.H., Crago, P.E., Braswell, S.D., Buckett, J.R. Linearization of an open loop functional neuromuscular stimulation system through a piecewise linear approximation 4—56193
Thrope, G.B. *see* Buckett, J.R. 4—56194
Throup, D. An example application of distributed monitoring and control 4—34312
Thrower, K.R. *see* Ash, C.P. 4—47892
Thrower, R.D. Microwave moves into its second generation [radio transmission] 4—60661
Thrush, C.M. *see* Partin, D.L. 4—59492
Thuan, N.K., Mack, M.R. Low cost power supply systems for rural telecommunications networks 4—49968
Thukarma, D., Parthasarathy, K., Prior, D.L. Improved algorithm for optimum reactive power allocation 4—45015
Thulasiraman, K. *see* Comeau, M.A. 4—40942
Thum, C. Measurement of the entropy of an image with application to image focusing 4—32038
Thum, C. *see* Lohmann, A.W. 4—38027
Thumm, M., Janzen, G., Muller, G., Schuller, P.G., Wilhelm, R., Erckmann, V. Conversion of gyrotron TE_{0n}-mode mixtures into a linearly polarized HE_{11} wave 4—36212
Thumm, M. *see* Janzen, G. 4—36200
Thumm, M. *see* Zhang, Z.X. 4—36199
Thun, H.J.von *see* von Thun, H.J.
Thun, R.E. Trends in military computer technology 4—30675
Thungren, T. *see* Kollberg, E.L. 4—37754
Thurber, K.T., Jr. Antennas: bits, bytes, and beams 4—31776
Thurber, K.T., Jr. Antennas: MUF and stuff [software and propagation] 4—31798
Thurber, R.E. Advanced signal processing techniques for the detection of surface targets 4—31972
Thurl, W., Liesenkotter, B. Satellite receiving stations for TV programme transmissions 4—54708
Thurlow, P.E. Use of Monte-Carlo analysis in estimating yields of acceptable infrared detector array modules 4—61375
Thurmond, G. *see* Blauvelt, H. 4—55455
Thurmond, G.D. *see* Gee, C.M. 4—52708
Thurston, G. *see* Ozkaynak, H. 4—34256
Thurston, R.N. Equilibrium distributions of electric field in a cell with adsorbed charge at the surfaces 4—52715
Thurston, R.N., Boyd, G.D., Senft, D.C. Thickness dependence of the switching time of the bistable boundary layer liquid crystal display 4—39237
Thurston, R.N., Boyd, G.D., Senft, D.C. Experiments in switching the bistable boundary layer liquid crystal display by the application of DC 4—47304
Thurston, R.N., Cheng, J., Meyer, R.B., Boyd, G.D. Physical mechanisms of DC switching in a liquid-crystal bistable boundary layer display 4—47305
Thurston, R.N. *see* Senft, D.C. 4—31188
Thurston, W.R. Testing and quality 4—57856
Thurzo, I., Bartos, J. C-V measurement and minority carrier lifetime determination in MIS structures by a gated integrator 4—46874
Thurzo, I., Ozvold, M., Bartos, J. On the origin of transient charging of the insulator of Al-SiO_2-Si structures in deep-level transient current spectroscopy experiments 4—30439
Thurzo, I. *see* Hrobar, M. 4—36351
Thutupalli, G.K.M. *see* Venkateswaran, P.R. 4—44078, 4—44900
Thyagarajan, K. *see* Kumar, A. 4—42352
Thyagarajan, K.S., Abut, H., Bheda, H. A matrix quantizer for image processing 4—60261
Thylen, L. *see* Granestrand, P. 4—37105
Ti-lun Cao *see* Cao Ti-lun
Tian, L. *see* Di, A. 4—60104
Tian Huliang *see* Wang Shouwu 4—37390
Tian Junliang, Liu Puling, Li Yaqi Analysis of NaI(Tl) gamma-ray scintillation spectra by programmable calculator 4—39098
Tian Runqing *see* Shen Wei 4—59364
Tian-bao Chang, Hsiao-wei Tang, Qin-jian Chang An investigation of the timing properties of domestic BGO scintillator 4—61668
Tian-xiao Zhou *see* Zhou Tian-xiao
Tian-yuan Shi *see* Shi Tian-yuan
Tianchu Li *see* Li Tianchu
Tianfen Jing *see* Jing Tianfen
Tianlai Ji *see* Ji Tianlai
Tianlong Yang *see* Yang Tianlong
Tianxiang, H. Analysis and design of the vibrating-wire pressure sensor with temperature coefficient 4—39731
Tianxiang Yang *see* Yang Tianxiang
Tibbetts, D. V-PAT—a videotex public access telephone 4—54263
Tibbitts, S.A. Two-bit cascadable counter with single gate delay per bit 4—51382
Tibbling, L. *see* Pope, C.E., II 4—61800
Tiberio, R. *see* Chao, P.C. 4—36058
Tibilov, V.K. *see* Bagraev, N.T. 4—46820
Tichawa, N. *see* Perger, A. 4—36238
Tichodejev, N.N. The contemporary state and perspective of power networks in the USSR and the problems with environmental protection 4—56577
Tichy, R. *see* Meszaros, S. 4—52492
Ticknor, A.J. *see* Easton, R.L., Jr. 4—52417
Tiecheng Lu *see* Lu Tiecheng
Tiedemann, C., Gohl, I., Bekelaer, K., Seibt, D. Viewdata in use—Part project 2 4—38241
Tiedje, J.M. *see* Morrissey, D.J. 4—61675
Tiedje, T. Time-resolved charged transport in hydrogenated amorphous silicon 4—36293
Tiedje, T., Abeles, B. Charge transfer doping in amorphous semiconductor superlattices 4—51974
Tiedje, T., Abeles, B., Persans, P.D., Brooks, B.G., Cody, G.D. Bandgap and resistivity of amorphous semiconductor superlattices 4—58773
Tiedje, T., Yablonovitch, E., Cody, G.D., Brooks, B.G. Limiting efficiency of silicon solar cells 4—45653
Tiedje, T. *see* Abeles, B. 4—58048
Tiedt, N., Haidmayer, R., Moser, M., Kurz, R., Kenner, T. Time optimal binary test signal sequences for the analysis of the respiration control system in babies 4—44704
Tiefel, T.H., Jin, S. Microduplex Fe-Ni-Mo semihard magnet alloys 4—30960
Tiefel, T.H. *see* Jin, S. 4—33257
Tiefenthaler, K., Briguet, V., Buser, E., Horisberger, M., Lukosz, W. Preparation of planar optical SiO_2-TiO_2 and $LiNbO_3$ waveguides with a dip coating method and an embossing technique for fabricating grating couplers and channel waveguides 4—37097
Tiefenthaler, K., Lukosz, W. Integrated optical switches and gas sensors 4—31171
Tielert, R. Two-dimensional numerical analysis of doping processes 4—36438
Tieliang Guan *see* Guan Tieliang
Tiemann, J.J. *see* Vogelsong, T.L. 4—58472
Tiemann, S.D. *see* McCarty, D.E. 4—60634
Tien, H.T. *see* Xu-rui Xiao 4—33533
Tien Do Hoang *see* Do Hoang Tien
Tien Tsai Yang *see* Quan, V.. 4—37393
Tierney, E. *see* Tiwari, S. 4—36495
Tiersten, H.F., Stevens, D.S. An analysis of thickness-extensional trapped energy resonators with rectangular electrodes in the zinc-oxide thin film on silicon configuration 4—30905
Tiersten, H.F. *see* Shick, D.V. 4—52370
Tiersten, H.F. *see* Sinha, B.K. 4—36978
Tiersten, H.F. *see* Stevens, D.S. 4—30892
Tiesler, J. *see* Becker, R. 4—50483
Tiesmeyer, J. *see* Ziegler, H. 4—33303
Tietbohl, G., Dusel, H.-W. A double stochastic network plan model for the improved control and planning of plant investment procedure 4—35229
Tietgen, K.-H. *see* Schumann, F. 4—42623
Tietz, H.-D. Development trends of the measurement of internal stresses 4—55705
Tietz, W. TELEBOX—electronic information transmission using a new extra Post Office service 4—38219
Tietze, A. *see* Rossi, E.M. 4—31015
Tiffen, C.E. Testing instrumentation for products subjected to ambient stresses 4—39322
Tiffen, C.E. Some British developments in automatic testing 4—44392
Tiger, B., Alexander, E.M. E-COM equipment effectiveness 4—48045
Tiginyanu, I.M. *see* Georgobiani, A.N. 4—30389
Tigner, J.E. Inductive coupling in a multiconductor cable 4—37535
Tihanyi, J. Optically isolated SIPMOS AC switch 4—52802
Tihanyi, J. *see* Leipold, L. 4—36873
Tijdens, K.G. *see* van Asch, A.W. 4—38311
Tikandi, V.I. *see* Mityashin, I.P. 4—50531
Tikhodeev, N.N. *see* Kryukov, K.P. 4—45133
Tikhomirov, A.A. *see* Zhelezovskiy, Ye.Ye. 4—51538
Tikhomirov, A.V. State of laser-cutting technology and prospects for its development 4—59657
Tikhomirov, S.V. *see* Glazov, A.I. 4—55487
Tikhomirov, S.V. *see* Kostin, V.A. 4—55488
Tikhomirov, S.V. *see* Stysin, V.E. 4—52800
Tikhomirov, Yu.I. *see* Voevodin, M.A. 4—33577
Tikhonov, A.I. *see* Alekseev, G.S. 4—49077
Tikhonov, A.N., Arsenin, V.Ya., Rubashov, I.B., Timonov, A.A. Formulation and approximate solution of some inverse problems of NMR-tomography 4—39524
Tikhonov, A.N., Arsenin, V.Ya., Rubashov, I.B., Timonov, A.A. First Soviet computerised tomograph 4—44738
Tikhonov, E.A. *see* Bondar, M.V. 4—52860
Tikhonov, V.P. *see* Zinov'ev, E.G. 4—55380
Tikhonov, V.Ya. *see* Vilenskii, G.B. 4—48720
Tikhonov, Yu.G. *see* Ogarkov, V.S. 4—35925
Tikhonova, O.V. *see* Zdobnikov, A.Yu. 4—30515
Tikhonravov, A.V. *see* Basov, N.G. 4—37307
Tikkanen, P. *see* Passoja, A. 4—55992
Tikmenov, V.V. *see* Akulichev, V.A. 4—62474
Tilborg, H.C.A.van *see* van Tilborg, H.C.A.
Tilbrook, D. $^1/_3$ octave graphic equaliser 4—33030
Tilbrook, D. Balanced input preamp 4—35641

Tilbrook, D., Walker, P. $^1/_3$ octave graphic equaliser. II 4—38937
Tiley, M. Magnetic flowmeters—design techniques and applications 4—55452
Tilford, S.G. Global habitability and Earth remote sensing 4—56275
Tilgner, R., Baumann, J. Photothermal examination of an adhesive layer 4—58072
Tili, T. *see* Marianeschi, E. 4—41122
Till, C.E. *see* Chang, Y.I. 4—40033
Till, F. Electro-heat installation in industry—statistical trends and future prospects 4—57552
Till, J. *see* Epstein, C.M. 4—33843
Till, S.M. *see* Neville, R.A. 4—56266
Tiller, W.A. *see* Barbee, T.W., Jr. 4—29530
Tiller, W.A. *see* Elwell, D. 4—29466
Tillett, S.B. *see* Bass, N. 4—33279
Tillett, S.B. *see* Evans, J.P. 4—33281
Tilley, D.G. *see* Jenkins, J.O. 4—48808
Tilley, J. Tape timer 4—33052
Tillman, D.A. *see* Jones, M.S., Jr. 4—34525
Tillotson, K.D. *see* Fuhs, A.E. 4—61337
Tilly, P.E. Redundancy in cockpit digital mode panels 4—49419
Tilmans, H.A.C. *see* Smits, J.G. 4—48833
Tilston, M.A., Balmain, K.G. Medium frequency reradiation from a steel tower power line with and without a detuner 4—53213
Tilston, M.A., Balmain, K.G. A microcomputer program for predicting AM broadcast reradiation from steel tower power lines 4—59745
Timar, P.L., Poloujadoff, M. Method of comparative measurement as a survey process to determine the A-weighted sound power level of rotating electrical machines 4—57015
Timar Peregrin, L., Ellison, A.J. The effect of load on the noise of asynchronous motors 4—34648
Timar Peregrin, L. *see* Toke, G. 4—34649
Timashev, S.V. *see* Atamasov, V.D. 4—62714
Timashkov, V.M. *see* Kagan, M.B. 4—58037
Timasov, A.V. *see* Vyatchanin, S.P. 4—49003
Timbeross, J.K. *see* Flink, H.G. 4—50503
Timbie, P. *see* Pan, S.-K. 4—35705
Timble, J. *see* Hirst, E. 4—49513
Timchenko, A.P. *see* Petrenko, A.I. 4—29776, 4—41142
Timchenko, B.A. *see* Zakhar'yash, V.F. 4—52916
Timm, U.E. International transport of radioactive materials: situation, problems, solutions 4—62288
Timmins, D.L. An elastomeric interconnect system for fine pitch leadless chip carriers 4—58604
Timmons, M.L., Katsuyama, T., Sillmon, R., Bedlair, S.M. GaAsP-InGaAs superlattice light-emitting diodes 4—37246
Timmons, R.H. *see* Coneski, A.F. 4—40843
Timnov, A.A. *see* Malyushevskii, P.P. 4—36922
Timoc, C., Stott, F., Wickman, K., Hess, L. Adaptive probabilistic testing of a microprocessor 4—35871
Timofeev, A.L. Structural method of reducing dynamic error in analogue-digital conversion 4—58393
Timofeev, A.L. *see* Aminev, A.M. 4—33120
Timofeev, A.T. *see* Ledovskii, A.N. 4—34672
Timofeev, B.S. *see* Bychkov, B.N. 4—61045
Timofeev, I.P. *see* Baginskii, L.V. 4—49627
Timofeev, V.A., Kirshtein, G.Kh. Dependence of readings of electromagnetic flowmeters with two-coil magnet structures on velocity profile 4—61586
Timofeev, V.E. *see* Karal'nik, N.A. 4—54945
Timofeev, V.F. *see* Lebedev, A.N. 4—53250
Timofeev, V.I. *see* Pestov, E.G. 4—42670
Timofeev, Yu.A. *see* Yakovlev, E.N. 4—55743
Timofeeva, N.K. Solution of a traveling salesman problem in computer component design 4—58613
Timofeyeva, A.A., Yampol'skiy, V.G. A radiator for axially unsymmetrical reflector antennas with a circular aperture 4—31754
Timonin, P.V. *see* Mogil'naya, T.Yu. 4—37403
Timonov, A.A. *see* Tikhonov, A.N. 4—39524, 4—44738
Timor, U. *see* Miller, M. 4—37654
Timoshinin, A.A. *see* Antipov, V.N. 4—40271
Timperley, J.E. Detection of insulation deterioration through electrical spectrum analysis 4—36942
Tin-Zen Lou *see* Lou Tin-Zen
Tinchev, S.S. *see* Shnyrkov, V.I. 4—37071
Tincknell, M.L. *see* Ahlen, S.P. 4—55955
Ting, A. *see* Kwong, A.F. 4—58046
Ting, A. *see* Rossi, E.M. 4—31015
Ting, C.H., Liauw, K.L. An improved deep ultraviolet (DUV) multilayer resist process for high resolution lithography 4—58830
Ting, C.Y. *see* Dalal, H.M. 4—36491
Ting, C.Y. *see* Dishon, G. 4—41070
Ting, C.Y. *see* Hu, G.J. 4—36884
Ting, C.Y. *see* Iyer, S.S. 4—58871
Ting, R.Y., Halliyal, A., Bhalla, A.S. Polar glass ceramics for sonar transducers 4—39750
Ting, R.Y. *see* Meeks, S.W. 4—34004
Ting, Y.M. *see* Culican, E.F. 4—29710
Ting-rong Mu *see* Mu Ting-rong
Ting-Xiang Wang *see* Wang Ting-Xiang
Tingfu Wang *see* Wang Tingfu
Tingting Zhi *see* Zhi Tingting
Tingyuan Wang *see* Wang Tingyuan
Tingzhen Jin *see* Jin Tingzhen
Tinham, B. Black art of NDT becomes a science [ultrasonic inspection systems] 4—58075
Tinhofer, G. Rational solutions of the graphsack problem 4—35399
Tinnemans, A.H.A. *see* 't Lam, R.U.E. 4—37206
Tinney, W.F. *see* Alvarado, F.L. 4—56553
Tiponut, V. 'Alias' standard deviations resulting by limited duration signals reconstruction 4—53636
Tiponut, V.A. A method of correcting the errors caused by the frequency characteristic of spectrum analyser filters 4—61308
Tippe, W. *see* Aigner, M. 4—59843
Tippel, K. An apparatus for measurement of the intensity profile of a laser beam during materials processing 4—59563
Tipping, C. Cellular radio prequel—is there life before cellular? 4—44002
Tipping, N. Micro-programmable non-binary division 4—41432
Tippmann, H., Spiess, L., Knedlik, C. Electrical characterisation of layers and structures for the metallisation in VLSI technology 4—36730
Tippmann, H. *see* Knedlik, C. 4—36729
Tiratsuyan, O.E., Popov, E.A., Polyakov, V.M., Nazikyan, G.A., Verochkin, V.V. Controlling the inverter motor switching process by maintaining the controllable angle margin constant 4—49904
Tirong Chen *see* Chen Tirong
Tirro, S., Puccio, A. Use of artificial satellites for telecommunications in developed countries 4—48433
Tirtaatmadja, E. *see* Court, R.A. 4—47102
Tirtoprodjo, S. Hurwitz coefficient conditions and its specific use for minimal transformerless immittance synthesis 4—41166
Tisato, G. *see* Delmonte, R. 4—53503
Tischer, F.J. *see* Benson, F.A. 4—58490
Tischer, Z. *see* Filipensky, J. 4—42883, 4—47207
Tishchenko, R.P. *see* Makovetskii, A.A. 4—31360
Tishchenko, V.A., Belyakova, G.M., Perepelkina, R.N. Use of the P1-5 standard system for measuring electric field strength in the continuous range 100-300 MHz 4—33396
Tishchenko, V.A., Tokatly, V.I. Field intensity measurement of a short dipole antenna 4—33398
Tishchenko, Yu.N. *see* Pen, E.F. 4—31204
Tishechkin, A.A. *see* Aleksandrov, I.N. 4—40232
Tishechkin, A.A. *see* Sop'yanik, V.Kh. 4—39944
Tishler, A. *see* Kalaba, R. 4—46134, 4—50690
Tisi, F. Changeover from mechanical to electronic production 4—57805
Tissinger, E.W. *see* Moss, C.E. 4—39429
Tissot, J.L. *see* Roussille, R. 4—31227
Titchener, M.R. Digital encoding by means of new T-codes to provide improved data synchronisation and message integrity 4—53399
Titchmarsh, J.G. *see* Scanlan, I.F. 4—52681
Titko, A.I. Shielding characteristics of an electrically conducting structure in the form of a squirrel cage 4—34594
Titko, A.I. A problem of a field in space, screened by a structure of closed rods and segments 4—62484
Titli, A. *see* Lefevre, T. 4—56494
Titli, M. *see* Bianco, S. 4—32014, 4—32836
Titmuss, G. *see* Higgins, M. 4—39653, 4—53126
Titov, A.A. *see* Okhotin, V.N. 4—34423
Titov, V.A. *see* Doinikov, N.I. 4—52518
Titov, V.B. *see* Efimov, V.V. 4—39154
Titov, V.S., Mel'nik, B.G. Spectral method of locating position of emission sources using opto-electronic equipment 4—61305
Titova, I.B. *see* Ivanov, V.A. 4—49667
Titova, L.A. *see* Ermakov, O.N. 4—58028
Titova, N.N. *see* Nosov, S.I. 4—35070
Tits, D. *see* Daly, P. 4—38518
Tittel, F.K., Wilson, W.L., Marowsky, G., Ernst, W.E., Smayling, M. Tunable electron-beam-pumped excimer lasers 4—37321
Tittel, F.K. *see* Nachshon, Y. 4—47413
Tittel, H.O. *see* Sonntag, S. 4—55911
Titze, O *see* Grundey, T. 4—55787
Tivkov, A.M. *see* Anishin, N.S. 4—50714
Tiwari, A.K., Bhat, B. Analysis of trapped single and coupled image guides using the mode-matching technique 4—41536
Tiwari, A.K. *see* Bhat, B. 4—53259
Tiwari, B.R. *see* Agarwal, S.B. 4—53214
Tiwari, S. Threshold and sheet concentration sensitivity of high electron mobility transistors 4—47033
Tiwari, S. Negative resistance, high frequency device 4—52047
Tiwari, S., Kuan, T.-S., Tierney, E. Ohmic contacts to n-GaAs with germanide overlayers 4—36495
Tiwari, S., Wang, W.I. p-channel MODFETs using GaAlAs/GaAs two-dimensional hole gas 4—58929
Tiwari, S.C., Deo, P., Pujari, M. Nonlinear avalanche region analysis in Read IMPATT oscillators 4—30092
Tixier, M., Charcosset, G., Corcuff, Y., Okada, T. Propagation modes of whistlers received broad satellites over Europe 4—53207
Tiziani, H.J. *see* Dorband, B. 4—31509
Tjapkin, D., Ramovic, R., Stojanovic, D., Borcic, D. Semiempirical determination of avalanche breakdown temperature parameters in *p-n* junctions 4—46850
Tjhung, T.T. *see* Chan, P. 4—44084
T'Jollijn, B. *see* Lataire, P. 4—34779
Tkach, R.W., Gosnell, T.R., Sievers, A.J. Solid-state vibrational laser—KBr:Cn^- 4—31358
Tkach, Yu.Ya. *see* Sukhanov, A.A. 4—42069
Tkachenko, A.N. *see* Kirianaki, N.V. 4—44454
Tkachenko, A.S. *see* Lysenko, V.S. 4—41914
Tkachenko, A.V. Increasing the possibility of finding the Fibonacci p-code during storage control 4—43126
Tkachenko, A.V. An algebraic method of calculating the power of optimal 'Fibonacci' code 4—43128
Tkachenko, B.K. *see* Andreev, A.A. 4—30368
Tkachenko, D.I. *see* Antonov, Yu.P. 4—50278
Tkachenko, G.I. *see* Mikhailov, V.V. 4—56662
Tkachenko, V.F. *see* Vishenchuk, I.M. 4—33359
Tkacheva, O.S. *see* Drozdov, A.P. 4—32460
Tkachuk, B.D. *see* Mokin, B.I. 4—39950
Tkachyk, J.W. *see* Fernandez, S.J. 4—33903
Tkalenko, L.P. *see* Molodtsov, S.N. 4—50198
Tkhi Sha Nguen *see* Nguen Tkhi Sha
Tkhorik, Yu.A. *see* Konakova, R.V. 4—36540
Toan Thang, N., Fishman, G., Vinter, B. Interband scattering in mobility in GaAs-GaAlAs heterostructures 4—51841
Toba, H., Kobayashi, Y., Yanagimoto, K., Nagai, H., Nakahara, M. Injection-locking technique applied to a 170 km transmission experiment at 445.8 Mbit/s 4—38611
Tobazeon, R. *see* Saad, A. 4—57298
Tobia, N. *see* Bacon, W.H. 4—29818
Tobias, C.A. *see* Llacer, J. 4—49173
Tobias, F., Ivanov, P., Gaal, I. Sensitivity and linearity of Forster-probes 4—44596
Tobin, L.W., Jr. Industrial applications of microwave heating 4—40611
Tobin, M.S. *see* Matteson, W.H. 4—59420
Tobin, R.C., Peard, K.A. Interdependence of buffer gas pressure and optimum interpulse delay in a burst-mode copper halide laser 4—59423
Tobin, R.C. *see* Perry, N.D. 4—42530
Tobin, S.P. *see* Spitzer, M.B. 4—45629
Tobishima, S. *see* Yamaki, J. 4—57331
Tobolev, A.K. *see* Vasil'yev, A.V. 4—40162
Tobolka, G. *see* Albrecht, G. 4—52382
Tocci, M. *see* Pistoia, G. 4—62692
Tocho, J.O., Ranea-Sandoval, H.F., Duchowicz, R., Garavaglia, M. The time-resolved spectrum of a pulsed dye laser 4—59466
Tocqueville, J. *see* Eek, L.O. 4—49069
Toda, K., Mizutani, K. A Lamb wave frequency modulator with three interdigital transducers 4—47166
Toda, K., Seike, T. Signal generator at 800/900 MHz band 4—55498
Toda, K. *see* Hayama, M. 4—52372
Toda, K. *see* Urabe, H. 4—39362
Toda, M. *see* Noguchi, H. 4—34234
Toda, M.D. *see* Engel, P.A. 4—58630
Toda, S., Kasai, T. On the embedding of graphs in VLSI models 4—52231
Toda, T. *see* Yoneda, K. 4—50786
Todd, A.G., Harris, P.G., Scobey, I.H., Kelly, M.J. Amorphous metal-semiconductor contacts for high temperature electronics. I. Materials and characterisation 4—46980
Todd, A.G. *see* Wickenden, D.K. 4—46871
Todd, C.C., Gundry, K.J. A digital audio system for broadcast and pre-recorded media 4—44373
Todd, G. *see* Cohen, S.S. 4—58792
Todd, M.N., Ruda, M.C., Greynolds, A.W., Miller, N.L. Balloon atmospheric mosaic measurement (BAMM) IIA optical subsystem 4—39707
Todd, T.D., Mark, J.W. Scheduling for capacity allocation in multiple access networks 4—48261
Todd, W.K. Expander gate 4—33028
Todorov, P.G. *see* Jotov, M.B. 4—29297
Todtli, J. *see* Gruber-Johnson, P. 4—34961
Toering, E. Data communications system for the handicapped 4—54444
Toews, J. *see* McFee, J.E. 4—48726
Tofalvi, G. *see* Berceli, T. 4—44115
Tofanelli, A. *see* Ambrosio, R. 4—32522, 4—32532
Tofield, B.C. *see* Hooper, A. 4—34840
Togashi, M., Sato, S., Ohshima, S., Aruga, K., Nakamura, T. Facsimile shading corrector 4—54171
Togashi, M. *see* Ino, M. 4—51199
Togatov, V.V. *see* Grigor'yev, B.I. 4—30607
Togawa, N. *see* Sagawa, M. 4—30953
Togawa, T. Cardiac pacemakers 4—61820
Togawa, T. *see* Tamura, T. 4—61758
Togawa, Y., Matsumoto, T. On the topological testability conjecture for analog fault diagnosis problems 4—29600
Toghrai, C. *see* Pau, L.F. 4—50556
Tognolatti, P. *see* Bostica, P. 4—61093
Tohda, T. *see* Abe, A. 4—55596
Tohma, Y. *see* Nanya, T. 4—58271
Tohmori, Y. *see* Bruberg, B. 4—59516

Tohno, S., Kubota, E., Shinoyama, S., Katsui, A., Uemura, C. Isoelectronic double doping effect on dislocation density of InP single crystal 4—30508
Tohyama, M. *see* Kaneda, Y. 4—47635
Toida, T., Yamashina, M., Kimura, H. A portable Japanese-language data terminal (new DT-308) 4—54448
Toide, E., Kanabe, T., Nakatsuka, M., Kato, Y., Yamanaka, C. Interferometric wavefront measurement of 20 cm aperture GEKKO MII glass laser system 4—52940
Toit, J.S.R.Du *see* Du Toit, J.S.R.
Tojo, M., Iiyama, K., Suehiro, Y., Matsushita, S. Connector type components for optical fiber transmission 4—31137
Tokar, U.Ya., Saichuk, I.V. Designing bearings for large hydroelectric generators 4—34593
Tokarev, B.F., Morozkin, V.P., Kiselev, V.I., Shilov, S.G. Optimization of direct current motors with independent energy sources 4—34687
Tokareva, Ye.Yu. *see* Yegorov, V.N. 4—36025
Tokarskii, P.L. On the analysis of antenna arrays using the matrix method 4—42979
Tokatly, V.I. *see* Tishchenko, V.A. 4—33398
Toke, G., Timar Peregrin, L., Geszti, P., Toth, K., Vincze, G. Experimental determination of leakage resistance in cast aluminium squirrel cage rotors 4—34649
Tokes, S.B. Applications of multi-beam acousto-optical modulators in laser-electrophotographic printing and drawing machines 4—31198
Toki, M., Tsuzuki, Y., Mitsuoka, T. Measuring method of equivalent series capacitance and negative resistance of quartz crystal oscillator circuits 4—30901
Toki, R. *see* Suzuki, M. 4—43258
Tokiguchi, K., Itoh, H., Sakudo, N., Koike, H., Warabisako, T., Saitoh, T., Kanomata, I., Tokuyama, T. A new ion implanter for solar cell fabrication 4—40480
Tokinaga, S. On the HDLC-procedure over multi-access local communication networks having a subchannel 4—48253
Tokita, M. *see* Nakatani, N. 4—47532
Tokiwa, K., Kasahara, M., Namekawa, T. Burst-error-correction capability of cyclic codes 4—59931
Tokiwa, K., Kasahara, M., Namekawa, T. New decoding algorithm for a class of simple iterated codes—its application to decoding algorithm for Reed-Muller codes 4—59932
Tokiwa, K. *see* Miyabe, Y. 4—43095
Tokizawa, I. *see* Kozuka, S. 4—38406
Tokizawa, I. *see* Ueda, H. 4—32182
Tokuda, M. *see* Horiguchi, T. 4—42435
Tokuda, M. *see* Imon, K. 4—59254
Tokuda, M. *see* Matsumoto, M. 4—52603
Tokuda, M. *see* Nakazawa, M. 4—31114, 4—52581
Tokuda, M. *see* Shibata, N. 4—52559
Tokuda, T., Korematsu, J., Sato, K., Murai, S., Takeuchi, S. A 16-bit CPU design realized by a hierarchical polycell approach 4—58376
Tokuda, T., Korematsu, J., Tomisawa, O., Asai, S., Ohkura, I., Enomoto, T. A hierarchical standard cell approach for custom VLSI design 4—51098
Tokui, Y. *see* Takeuchi, T. 4—53305
Tokumaru, S. Radiation mechanism of perfectly conducting antennas—a consideration by Nukiyama's vector 4—47672
Tokumaru, S., Fukui, S. Narrow beam element pattern in short backfire dipole phased array 4—47673
Tokumaru, S., Fukui, S. Microstrip antennas having posts for circular polarization 4—53304
Tokumaru, S. *see* Okubo, S. 4—42995, 4—59885
Tokumaru, Y., Okada, Y. Electron-beam-induced charge collection microscopy of undoped LEC GaAs 4—30320
Tokumasu, T., Doi, S., Ito, K., Yamamoto, M. An electric vector potential method approach for 3-D electromagnetic field in turbine generator stator core end 4—56929
Tokumitsu, E., Kudou, Y., Konagai, M., Takahashi, K. Molecular beam epitaxial growth of GaAs using trimethylgallium as a Ga source 4—41052
Tokumitsu, M., Fujita, S., Okada, M., Hohkawa, K., Ishida, A. A 35 ps ripple carry Josephson adder with latch using high gain direct coupled logic gates 4—52512
Tokumitsu, T., Kato, H. Design and characteristics of 2.6/2.5 GHz band transponder breadboard model 4—38531
Tokumitsu, T. *see* Mizuno, H. 4—38532
Tokumitsu, Y., Niori, M., Saito, T. A 20-GHz low-noise HEMT amplifier for satellite communications 4—38511
Tokumitsu, Y., Saito, T., Okubo, N., Kaneko, Y. A 6-GHz 80-W GaAs FET amplifier with a TM-mode cavity power combiner 4—36052
Tokunaga, K *see* Fukami, T. 4—50811
Tokura, N. *see* Hagihara, K. 4—29364
Tokura, N. *see* Kobayashi, Y. 4—38640
Tokura, N. *see* Manabe, Y. 4—52229, 4—57928
Tokura, N. *see* Masuzawa, T. 4—29365
Tokura, N. *see* Wada, K. 4—47083
Tokura, T. *see* Okano, H. 4—41984
Tokushige, K. *see* Kawana, T. 4—44577
Tokuyama, T. New applications of ion implantation in silicon processing 4—36453
Tokuyama, T. *see* Miyake, K. 4—46945
Tokuyama, T. *see* Ohkura, M. 4—41918
Tokuyama, T. *see* Tamura, M. 4—41915
Tokuyama, T. *see* Tokiguchi, K. 4—40480
Tokuyama, T. *see* Yamamoto, H. 4—50792
Tokuyoshi, F., Takemura, H., Tashiro, T., Ohi, S., Shiraki, H., Nakamae, M., Kubota, T., Nakamura, T. A 2.3 ns access time 4K ECL RAM 4—51238
Tol, M.W.van *see* van Tol, M.W.
Tolendino, L.F., Vahle, M.O. The modeling and simulation of a circuit switched distributed interactive terminal network 4—38290
Tolila, P. AT&T's empire: from simple telephones to computerisation 4—38157
Tolkachev, V.S. *see* Koval', N.N. 4—39404
Tolksdorf, W., Strocka, B., Welz, F. Growth of seeded and unseeded yttrium garnet crystals from high temperature solutions studied by induced striations 4—35464
Tolksdorf, W. *see* Klages, C.-P. 4—35465
Tolkunov, V.P., Shevchenko, V.V. Influence on commutation of higher harmonics in current curve of duplex nonsymmetric armature windings of DC machines 4—34686
Tolkunov, V.P., Vasilets, T.E., Kochubei, M.M. Concerning factors causing arcing in DC machines 4—40267
Tolkunov, V.P. *see* Barg, Ya.A. 4—47541
Tolle, E.F., Jr. Client centered management development 4—57744
Tollefson, R.J. *see* Hinderaker, P.D. 4—36124
Tolley, D.L. *see* Budden, R.J.R. 4—34073
Tollin, P. *see* Anderson, J.M. 4—39009
Tollison, D.K., Waites, H.B. Ground test experiment for large space structures 4—56237
Tolliver, D.L. Contamination control: new dimensions in VLSI manufacturing 4—36417
Tollkamp, C. *see* Lange, M. 4—41791
Tollmein, G. Digital television takes off 4—38806
Tollmein, G. Sound reproduction—true to life? 4—44365
Tolmachev, G.N. *see* Stokan', G.P. 4—37285
Tolmachev, S.T. Effective parameters of ordered heterogeneous media [antenna theory] 4—53267
Tolmacheva, V.G. *see* Akerman, D.R. 4—39401
Tolomasov, V.A. *see* Kostenko, A.A. 4—41881
Tolonen, K. *see* El-Daoushy, F. 4—56027
Tolopa, A.M. *see* Akerman, D.R. 4—39401
Tolpygo, E.I. *see* Vorobev, Yu.V. 4—41804
Tolstikov, A.S. *see* Rakcheev, D.P. 4—32032
Tolstoi, M.N. *see* Lunter, S.G. 4—47445
Tolstorozhev, G.B. *see* Borisevich, A.N. 4—42534
Tolstouhov, N.I. *see* Koslov, A.S. 4—30922
Tolstoukhov, N.I. *see* Kozlov, A.S. 4—30923, 4—42216
Tolstov, V.F. *see* Baranov, V.Yu. 4—37310
Tolstov, Yu.G. *see* Dovganyuk, I.Ya. 4—57384
Tolstykh, G.N., Nalimov, V.N., Vertushkin, V.K. Effects of some geometrical parameters on the metrological characteristics of a multichamber black body 4—55486
Tolutis, R. *see* Laurinavicius, L. 4—30082
Tom, S. *see* Sporck, F. 4—58282
Tom, V.T., Wallace, G.K., Wolfe, G.J. Image registration by a statistical method 4—53838
Toma, I. *see* Feru, V. 4—61399
Tomabechi, Y. Attenuation constant of rectangular dielectric waveguide of small cross section 4—42919
Tomago, A. *see* Kunieda, T. 4—44286
Tomak, M., Sernelius, B.E., Berggren, K.F. Elementary excitations and quasi-two-dimensional behavior in a GaAs field-effect transistor 4—52130
Toman, J. *see* Gulacsik, C. 4—39294
Tomantschger, K. Effects of electrolyte agitation on the performance of lead-acid traction batteries at various temperatures 4—62690
Tomar, R.S., Das Gupta, C. Broadwall junction of rectangular waveguide and coaxial line used as waveguide notch filter 4—36014
Tomar, R.S., Das Gupta, C. Experimental characterization of a singly loaded E-plane waveguide post by using a tunable coaxial line 4—51521
Tomaru, K. Electronic mail systems 4—32276
Tomaru, K. Improving business communication systems 4—32595
Tomaru, S., Kawachi, M., Kobayashi, M. Organic crystals growth for optical channel waveguides 4—47268
Tomaschke, H.E. *see* Bryan, D.A. 4—37083
Tomasetta, L.R. Semiconductor heterojunction devices 4—42017
Tomasetta, L.R. *see* Eisen, F.H. 4—30517
Tomashevich, V.P. *see* Burtsev, V.A. 4—59445
Tomashevskii, N.A. *see* Nemoshkalenko, V.V. 4—49078
Tomashov, V.N. *see* Bashkin, A.S. 4—42551
Tomasi, C. *see* Pupolin, S. 4—54596
Tomasi, L. *see* Figalli, G. 4—56992, 4—57402
Tomasov, A.A. *see* Zelenina, N.K. 4—46891
Tomassetti, G. *see* Ambrosini, R. 4—31669
Tomaszewski, J. *see* Seydak, W. 4—40768
Tomawski, L., Turzanski, J. The circuit generating nonlinear negative resistance in order to deattenuate resolution circuits in RLC bridges and generators 4—29675
Tombs, F. Electricity supply in the United Kingdom 4—39760
Tomczak, J. Conception outline of a uniform telecommunication system of a regional power board 4—43922
Tome, A.M. *see* Guedes de Oliveira, P. 4—49212
Tomescu, A. *see* Tomescu, F.M.G. 4—35449
Tomescu, F.M.G., Constantinescu, L. Comments on 'properties of Haar series expansion coefficients of certain classes of functions' which are used in electrical engineering 4—35350
Tomescu, F.M.G., Tomescu, A. Existence of the weak solution of general mixed problems for the parabolic equation 4—35449
Tomescu, I. *see* Harary, F. 4—38034
Tomeski, E.A. *see* Frei, J.K. 4—44742
Tomic, S., Jerome, D., Bechgaard, K. The electric field induced conducting state in an organic semiconductor 4—58759
Tomic, Z. Problems of synchronisation in an integrated digital network 4—60352
Tomich, D.J. *see* Bisbee, A.M. 4—56282
Tomie, T., Kasai, T., Yano, M. Actively mode-locked and *Q*-switched phosphate glass oscillator 4—59477
Tomikawa, Y., Yamada, H., Onoe, M. Characteristics and analyses of shear mode piezoelectric ceramic transducer for Rayleigh and longitudinal waves 4—56354
Tomikawa, Y. *see* Counji, T. 4—30909
Tomilin, N.F. *see* Byr'ka, V.F. 4—62252
Tomilina, L.A. *see* Livshits, E.S. 4—34857
Tomimitsu, Y. *see* Hirosaki, B. 4—53774
Tominaga, H. Present and future of document transmission 4—32291
Tominaga, H., Taba, S., Ohtsu, T. Token around time sharing protocol for star network topology with optical fiber 4—32433
Tominaga, H. *see* Kumahara, T. 4—39480
Tominaga, K. *see* Tada, O. 4—52780
Tominaga, M. *see* Mori, L. 4—61568
Tominaga, M. *see* Toyooka, S. 4—42725
Tominaga, S., Honda, T., Hosokawa, S. Subscriber line maintenance service system 4—43643
Tominaga, S., Morikawa, T., Asami, N., Kori, M. The status of nuclear-fusion technology 4—62320
Tominaga, S. *see* Miyazaki, Y. 4—37573
Tominaga, T. *see* Inatsu, M. 4—61044
Tomioka, S. *see* Mitake, M. 4—55430
Tomisawa, O. *see* Anami, K. 4—47125
Tomisawa, O. *see* Tokuda, T. 4—51098
Tomita, H., Tsukamoto, T., Imamura, Y., Tomita, M., Kasai, M., Ioki, K. Design studies and R&D for nuclear-fusion reactors 4—62321
Tomita, K. *see* Saito, K. 4—51718
Tomita, M., Kawaguchi, T., Ohmura, M. Crosstalk characteristics for symmetrical star quad cable with unbalanced terminations 4—60627
Tomita, M. *see* Tomita, H. 4—62321
Tomita, N., Fuchigami, T., Ohmura, M. Quad twist length selection method for symmetrical star quad cable 4—38422
Tomita, N., Ohmura, M., Kojima, N. Crosstalk loss characteristics between shielded balanced pairs 4—38189
Tomita, N. *see* Ohmura, M. 4—38423
Tomita, S. Improved D50 circuit switching system 4—32565
Tomita, S., Nozawa, T., Ito, M., Iwata, S., Nishikawa, S., Washio, S. A CAPTAIN terminal 4—60460
Tomita, S. *see* Nawata, K. 4—42631
Tomita, T. *see* Inoue, Y. 4—57604
Tomita, T. *see* Wada, I. 4—44559
Tomita, Y. A fast, simple, and low-cost data-acquisition system 4—33187
Tomita, Y., Ikeda, K. Synthesis of mutator using current conveyor CC-II 4—30010
Tomita, Y., Yoshino, T. Optimum design of multilayer-medium structures in a magneto-optical readout system 4—52718
Tomita, Y. *see* Gambe, H. 4—32002
Tomita, Y. *see* Oe, S. 4—38026
Tomita, Y. *see* Sekine, M. 4—53633
Tomitani, T. *see* Murayama, H. 4—39472
Tomiyama, T., Hiramatsu, S., Yoshikawa, H. A study on knowledge-based system PROSCODE-1 for conceptual design 4—57800
Tomiyama, T. *see* Yamamoto, I. 4—61695
Tomizawa, K. *see* Awano, Y. 4—36059, 4—36591
Tomizawa, M., Uchida, M., Sugeta, T. Improvement in GaAs MESFET drain conductance by a steplike-gate structure 4—36589
Tomizawa, M., Yoshii, A., Yokoyama, K. Particle device simulation in Si and GaAs MESFETs 4—58923
Tomizawa, M. *see* Yokoyama, K. 4—47058
Tomizawa, M. *see* Yoshii, A. 4—36506
Tomkiewicz, M. In situ characterization and non-solar applications of semiconductor liquid junctions 4—51919
Tomkiewicz, M., Siripala, W., Tenne, R. Electrolyte electroreflectance of single-crystal $CdIn_2Se_4$ in a photoelectrochemical solar cell 4—50054

Tomkiewicz, M. *see* Kramer, M. 4—57303
Tomkins, G., Davis, M.H., Rosser, P.J. Plasma etching of titanium disilicide 4—42007
Tomkins, P. Prologue: opportunities for interactive services 4—55026
Tomlins, H.F. *see* Harrison, E.T. 4—43804
Tomlinson, R.D. *see* Turowski, M. 4—40430
Tomlinson, W.J., Stolen, R.H., Shank, C.V. Compression of optical pulses chirped by self-phase modulation in fibres 4—37113
Tommasino, L., Zapparoli, G., Spiezia, P., Griffith, R.V., Espinosa, G. Different etching processes of damage track detectors for personnel neutron dosimetry 4—55926
Tommasino, L. *see* Espinosa, G. 4—55935
Tommazzolli, G.F. *see* Berno, S. 4—56409
Tomoda, K. *see* Fujisawa, S. 4—61268
Tomoda, T., Fukakusa, S. Deterioration and recovery of BF_3 counters due to operation in intense radiation fields 4—61693
Tomoda, T. *see* Ikenaga, Y. 4—62019
Tomoda, W. *see* Ishikawa, K. 4—55638
Tomonaga, G. *see* Mito, K. 4—31546
Tomov, I.V., Fedosejevs, R., McKen, D.C.D. High-efficiency stimulated Brillouin scattering of KrF laser radiation in SF_6 4—59605
Tomozawa, A. *see* Kimura, H. 4—32207
Tompa, F.W. *see* Schabas, A.H. 4—48111
Tompetrini, K. *see* Dougherty, H. 4—44827
Tompkins, W.J. *see* Kim, Y. 4—44754, 4—49116, 4—49207
Toms, A., Ford, G. Ocean thermal energy conversion for island applications 4—34513
Tomskiy, G.V. *see* Petrosyan, L.A. 4—46089
Tomura, K. *see* Hosoe, M. 4—56024
Tomura, M. *see* Honda, Y. 4—54529
Tonchev, S. *see* Savatinova, I. 4—36007
Tonchev, V.D. Hadamard-type block designs and self-dual codes 4—59945
Tondasch, W. Relay and integrated circuit: construction and control of combined relays 4—30157
Tondeur, D. *see* Neel, L. 4—55219
Tondi, J.L. *see* Ares, R.A. 4—38646
Tondi Resta, J.L., Ares, R.A., Carmona, J.A. From the optical fibre to the system. X. Measuring the bandwidth of optical fibres 4—44128
Tondl, L. Systems approach and design methodology 4—40825
Tondok, W., Pentenreider, R. Reconditioning of damage in the field of electronics 4—35253
Tone, K. *see* Ogasawara, N. 4—59514
Tone, M., Yano, T., Fukumoto, A. High-frequency ultrasonic transducer operating in air 4—56351
Tonelli, G. *see* Amendolia, S.R. 4—49068
Tonelli, M. *see* Meucci, M. 4—59485
Tones, E. Integrating CAD with PCB assembly 4—41703
Toneva, A.T. *see* Dimova, D.I. 4—36428
Tong, E. *see* Ozkaynak, H. 4—34256
Tong, H.C. *see* Ferrier, R.P. 4—42265
Tong, P.P., Neikirk, D.P., Young, P.E., Peebles, W.A., Luhmann, N.C., Jr., Rutledge, D.B. Imaging polarimeter arrays for near-millimeter waves 4—42968
Tong, P.P. *see* Young, P.E. 4—39344
Tong, R.Y. *see* Banerjee, S.K. 4—51987
Tong, V. *see* Jensen, D.J. 4—61783
Tong, Y.C. *see* Clark, G.M. 4—61816
Tong Feiming, Chen Boliang, Zhang Ming Investigation of HgCdTe photodiodes by electron-beam induced voltage technique 4—59339
Tong Zuying, Liu Xiangchun Economical and technical effects of centrifugal pumps and fans using fluid couplings for rotation speed control 4—57591
Tong-jun Chang *see* Chang Tong-jun
Tonge, G.J. The television scanning process 4—60223
Tongqiong Sun *see* Sun Tongqiong
Tongshuo Bai *see* Bai Tongshuo
Tongue, C. Software gets shown up in a screening process [video] 4—32970
Tongyang Wu *see* Wu Tongyang
Tongzhou Xiong *see* Xiong Tongzhou
Tonkonogov, Yu.M. *see* Terpugov, A.F. 4—53644
Tonkovic, Z. Aspects of the high voltage in the system with special review on interconnecting of Konjsko-Obrovac-Melina line 4—56559
Tonomura, T. *see* Matsuki, K. 4—40627
Tontrakoon, J. *see* Tunkasiri, T. 4—42484
Tonye, E., Baudrand, H. Multimode *S*-parameters of planar multiport junctions by boundary element method 4—58502
Tooda, T., Hida, M., Nakajima, J. Image formation by using effective capacitance change of a photoconductive element 4—53166
Toof, E.J.L. *see* Lew, H.G. 4—56853
Toohig, T.E. *see* Baker, S.I. 4—33727
Toolan, W.K., Grobert, K.H. Development and simulation testing of an integrated sensory subsystem (ISS) for advanced aircraft (Phase III) 4—49398
Toole, F.E. Loudspeaker measurements: Establishing a new order 4—33009
Tooley, F.A.P. *see* Taghizadeh, M.R. 4—37118
Tooley, M., Whitfield, D. Heads and Tails Generator 4—35996
Tooley, M., Whitfield, D. Logic signal generator 4—46380
Tooley, M., Whitfield, D. Oscilloscope calibrator 4—55552
Toonder, P.den *see* den Toonder, P.
Toothill, P. Minor Miracles WS2000 4—54494
Tootill, P. DaCom Buzzbox 4—38371
Tootill, P. Modem protocols 4—48242
Toparov, Yu.P. *see* Bagraev, N.T. 4—46820
Topham, P.J. *see* Shahid, M.A. 4—51874
Tophin, G. *see* Leibenguth, J. 4—48935
Topinskii, N.I. *see* Ignatenko, P.I. 4—41049
Topkis, D.M. *see* Meketon, M.S. 4—32118
Toplicar, J.R. *see* Panasik, C.M. 4—52414
Topuzoglu, E.D. *see* Zach, F.C. 4—57429
Toratani, H. *see* Morishige, Y. 4—37345
Toratini, H. *see* Nakazawa, M. 4—31114
Torbert, R. *see* Pedersen, A. 4—44904
Torcello, E. *see* Benso, S. 4—33641
Torcello, E. *see* Darbo, G. 4—55983
Torchinskaya, T.V., Mirzazhanov, M.A. Analysis of elementary degradation mechanisms of the Cu_2S-CdS solar cells 4—50047
Torchinskaya, T.V., Rahlin, M.Y., Baidoha, L.N. The cause of instability of CdS:Cu:Cl photoresistors and methods of its removal 4—51552
Torchinskii, B.N. Experience in setup and operation of group control systems for various types of voltages 4—39811
Toree, E.Della *see* Della Toree, E.
Torelli, F. *see* Brucoli, M. 4—45020, 4—62060
Torelli, G., Devecchi, D. Full-swing three-state driver for single-channel MOS integrated circuits 4—30755
Torelli, G., Lupi, P. An improved method for programming a word-erasable EEPROM 4—29840
Torfeh-Ishfahani, M., Della Toree, E. Mode pushing and stiff convergent problems 4—29395
Torgashev, A.S. *see* Grashchenkov, N.F. 4—51000
Torgashov, V.S. *see* Kaimakov, A.A. 4—29214
Torgersen, E. *see* Morck, F. 4—57115
Torgerson, P. *see* LeClair, K. 4—58384
Torguet, R. *see* Gazalet, M.G. 4—52724
Torii, M. Computer crime 4—43578
Torii, N. Fanuc robot S-Model 1 and its applications 4—62851
Torii, S. *see* Ohtsuki, T. 4—57931
Torii, T., Hasegawa, T. Fast Fourier transform for complex functions increasing the sample points with slow geometric progression 4—57998
Torii, T. *see* Hasegawa, T. 4—57893
Torikai, T. *see* Ishihara, H. 4—52793
Torikai, T. *see* Sugimoto, Y. 4—52792
Torioka, T. Pattern separating function of a two-layered random nerve network with feedforward inhibitory connections 4—47918
Toriwaki, J., Yokoi, S. Algorithms for skeletonizing three-dimensional digitized binary pictures 4—53853
Toriyama, K. *see* Alsbach, W. 4—34765
Torlaschi, E., Humphries, R.G., Barge, B.L. Circular polarization for precipitation measurement 4—49468
Tornatore, H.G. *see* Newland, J.W. 4—47981
Tornberg, J. *see* Harkonen, E. 4—56372
Torner, P. *see* Bayes de Luna, A. 4—49248
Torng, H.C. *see* Feridun, A.M. 4—38023
Torok, V.G. Near optimum online modulation of PWM inverters 4—49980
Toropkin, G.N. *see* Nasel'skii, S.P. 4—42607
Toropov, L.A. *see* Gavrilin, A.T. 4—53219
Toropova, I.I. *see* Kushnir, A.L. 4—42230
Torquati, M.R. *see* Bellazzini, R. 4—49089
Torrado, E., Alvarez, M., Ferriz, J.A., Rodriguez, J.J., Escudero, J.C., Vera, A., Garijo, A. The incidence of arrhythmias in acute myocardial infarction in a coronary care unit with conventional monitoring versus computerized 4—49280
Torralbo, A.Munoz *see* Munoz Torralbo, A.
Torre, F. *see* Cortina, A. 4—49135
Torre, F. *see* Simarro, E. 4—49275
Torre, V.de la *see* de la Torre, V.
Torrealday, J.R., Gutierrez, J.L., Angulo, J.M. Speed control of asynchronous motors by microprocessor 4—40240
Torrecillas, S.R. *see* Saiz Repila, F. 4—39092
Torreno, M. *see* Spratt, D. 4—30747
Torres, G. *see* Carrasco, D. 4—38572
Torri, G. Innovative chopper converter for tram and light railway applications 4—57217
Torriano, D. *see* Giadrossi, G. 4—34630
Torriano, D. *see* Policastro, M. 4—56945
Torrieri, D.J. Statistical theory of passive location systems 4—44149
Torrieri, D.J. The information-bit error rate for block codes 4—47760
Torrieri, D.J. Frequency hopping with multiple frequency-shift keying and hard decisions 4—53393
Torseng, S. *see* Andersson, G. 4—62437
Tortoli, P., Manes, G.F., Atzeni, C., Boscaleri, A. Pulse Doppler flow imaging using a SAW CZT processor 4—55761
Torzicky, P. *see* Haugeneder, E. 4—57103
Tosato, F. *see* Giadrossi, G. 4—34723
Tosch, R., Gruber, H., Fritzsche, K., Hofmann, R., Gebhardt, T. A direct modelling of the thermal conduction at the laser machining 4—42747
Toschi, V. *see* Glaser, I. 4—43447
Tosco, F. *see* Costa, B. 4—38610
Tosello, F. *see* Beninati, A. 4—51037
Toshima, M. *see* Aburaya, K. 4—62756
Toshima, S. A lecture on batteries 4—45590
Tosic, D. *see* Hribsek, M. 4—36989
Tosima, S., Harada, S., Johnson, E.O. Interaction with metal films on glass: a new method for evaluating solder parameters 4—35304
Tossman, B.E. Testing attitude dampers 4—44844
Totaro, L. Non-linear resistor [protection devices] 4—46636
Totaron, P. *see* Tanaka, K.O. 4—53577
Toth, A. *see* Horden, I. 4—41388
Toth, A.J., Shield, D.J., Smith, L.S. Process shrinks and their associated benefits 4—52241
Toth, E. Optimum trunk network computation on the basis of derivatives of loss-factor, mean value and variance 4—43645
Toth, E., Banlaki, P., Hajdu, I., Pinkola, J. Usage of SIMS and Auger test methods in the production of multilayer printed circuit boards 4—51633
Toth, E. *see* Hajdu, I. 4—51632
Toth, F. *see* Lee, F. 4—51357
Toth, I. *see* Czoch, I. 4—62281
Toth, K. *see* Toke, G. 4—34649
Toth-Szilagyi, M. *see* Smogyi, G. 4—55869
Totladze, Z.D., Petriashvili, K.F., Maisuradze, G.I., Kasradze, G.G. 'GET-TES' system of programs for calculating optimum conditions for the hydroelectric-thermal electric power pool 4—39814
Totolo, Chr. *see* Popa, T. 4—56792
Totsuka, K. *see* Ishikawa, N. 4—32816
Tottie, J., Bowers, D. Regular maintenance gives lower cost and longer life 4—49924
Totto, E.R. *see* Audone, B. 4—33116
Toty, L. *see* Personne, C. 4—49299
Tou, C.P. The spectrum efficiency of spread spectrum system 4—32645
Tou, C.P., Chang, B.C. Interference and noise suppressions using spread spectrum systems 4—60645
Tou, C.P., Lai, N.Y. Evaluation of the spectrum efficiency of direct sequence systems 4—59912
Touchton, C.F. Videotex: product directions—retrospects and prospects 4—54224
Toufar, O., Danek, Z. Regional automatic frequency unloading [load shedding] 4—62050
Touil, M. *see* Ouriachi, Kh. 4—53949
Toukhy, M.A., Jech, J., Jr. A new high temperature positive photoresist HX-256 4—58841
Toukhy, M.A., Leonard, R.F. A new negative resist for deep UV microlithography 4—36677
Toukhy, M.A., Marcotte, S.F., Jr. A new negative/high resolution photoresist WX-305 4—58836
Toulouse, J., Green, E.R., Nowick, A.S. Effect of alkali ions on electrical conductivity and dielectric loss of quartz crystals 4—36934
Tourtellotte, W.W. *see* Kondraske, G.V. 4—44706, 4—44712
Tourtellotte, W.W. *see* Potvin, A.R. 4—49125
Tourtellotte, W.W. *see* Syndulko, K. 4—49230
Touskova, J., Prokes, J., Benes, P. Photocapacitance spectra of GaAs and CdTe diodes 4—30585
Toussaint, G.T. A new linear algorithm for triangulating monotone polygons 4—38033
Toussaint, G.T. An optimal algorithm for computing the minimum vertex distance between two crossing convex polygons 4—41028
Toussaint, G.T., Bhattacharya, B.K. On geometric algorithms that use the furthest-point Voronoi diagram 4—40961
Tovarnitskii, A.V., Aleksandrov, Yu.N., Davydov, I.B. Reception noise stability in channels with additive Gaussian and pulsed noise 4—43031
Tovarnitskii, A.V., Aleksandrov, Yu.N., Davydov, I.B. Noise stability of an incoherent receiver in channels with additive Gaussian and pulse noise 4—43944
Tovarovic, R. Application of microcomputers in laboratories in testing motor vehicle brakes 4—61227
Tove, P.A. *see* Elfsten, B. 4—47002
Tovmach, V.S. *see* Dudko, D.A. 4—35072
Towart, L.K. *see* Acosta, R.E. 4—52162
Tower, J.R. *see* Elabd, H. 4—56265
Tower, M.M., Haight, C.H. Development of a high-energy distributed energy source electromagnetic railgun with improved energy conversion efficiency 4—42800
Towill, D.R. A production engineering approach to robot selection 4—45946
Towler, W.R. *see* Luther, G.G. 4—42486
Town, R.S.H. Evolutionary strategies for voice store and forward services 4—32254
Towner, G.C., III, Bostian, C.W., Stutzman, W.L., Pratt, T. Instantaneous diversity gain in 10-30 GHz satellite systems 4—32721
Townes, C.H. Ideas and stumbling blocks in quantum electronics 4—52845
Townes, S.A., O'Neal, J.B., Jr. Permutation codes for the Laplacian source 4—47755
Townes, S.A., Truong, T.K. The VLSI design of a sub-band coder 4—60555

Townsend, D., Frey, P., Donath, A., Clack, R., Schorr, B., Jeavons, A. Volume measurement in vivo using positron tomography 4—39528
Townsend, D.W. *see* Hershey, H.J. 4—54474
Townsend, K. Wordprocessing—communications 4—38142
Townsend, K. Data line [computer networks] 4—38275
Townsend, P.D. The use of ion implantation for thin film optics 4—37169
Townsend, P.D. Ion implantation and optical devices 4—42317
Townsend, R.C. Implementation of optical fibre cable links 4—54838
Towsley, D. *see* Berger, T. 4—53970
Towsley, D. *see* Panwar, S.S. 4—48259
Toy, D. *see* Brand, R. 4—32214
Toy, N.V. The JNT-ringPAD logical structure and design variants 4—54438
Toyabe, R. *see* Aoki, Y. 4—52263
Toyabe, T. *see* Sunami, H. 4—46456
Toyama, N. Stress effect in Au-Si Schottky diode doped with Cu 4—46866
Toyama, T. A high speed high density 128K bit EPROM 4—58329
Toyama, T. *see* Yamada, J. 4—51401
Toyoda, J. A new estimation filter of symmetrical components for digital relay in power system 4—56677
Toyoda, K. *see* Ishikawa, K. 4—55638
Toyoda, K. *see* Matsui, S. 4—30524
Toyoda, K. *see* Shimada, T. 4—47481
Toyoda, K. *see* Shiokawa, T. 4—36390
Toyoda, K. *see* Tashiro, H. 4—31307, 4—37294, 4—52988
Toyoda, N., Kanazawa, K., Terada, T., Mochizuki, M., Hirose, M., Ikawa, Y., Hojo, A. A 256×4 bit GaAs static RAM 4—29883
Toyoda, N. *see* Hojo, A. 4—42171
Toyoda, N. *see* Ikawa, Y. 4—51168
Toyoda, N. *see* Shimizu, S. 4—51387
Toyoda, N. *see* Terada, T. 4—30730
Toyoda, Y. *see* Okuyama, M. 4—29518
Toyoda, Y. *see* Oshima, M. 4—31391
Toyokawa, K. Driving method for multi-stylus electrostatic printhead 4—53170
Toyokura, N. *see* Honda, K. 4—52319
Toyokura, N. *see* Inour, S.-i. 4—46983
Toyonaga, Y. *see* Nakayama, N. 4—47342
Toyooka, S., Tanahashi, T., Tominaga, M. Simple heterodyne interferometry using a holographic common-path interferometer 4—42725
Toyooka, T. *see* Saito, N. 4—46649
Toyoshima, H. *see* Fujita, S. 4—29520, 4—46237
Toyoshima, Y., Miyayama, M., Yanagida, H., Koumoto, K. Effect of relative humidity on current-voltage characteristics of Li-Doped CuO/ZnO junction 4—33248
Toyota, H., Matsuno, T. Development and application of high sensitivity thermal infrared radiometer 4—33313
Toyota, H. *see* Yamagishi, K. 4—43463
Toyota, S., Nogami, T., Mikawa, H. Lithium ion conductors of polyion complexes dispersed with $LiClO_4$ and their application to solid-state batteries 4—57327
Toyotomi, S. Electrical conductivity regulated by transverse electric field in the hot electron range in n-type silicon 4—41815
Tozer, R.C. An isolated current monitor for low-frequency asymmetrical current waveforms 4—33407
Tozoni, O.V. Computer simulation of conformal mappings 4—47540
Tozuka, H. *see* Takahashi, T. 4—53472
Tozzi, L., Sekar, R., Kamo, R., Wood, J.C. New perspectives for advanced automobile diesel engines 4—35019
Trabka, E.A. *see* Burkey, B.C. 4—36588
Traca de Almeida, A., Gomes-Martins, A. Digital measurement of active and reactive powers 4—34240
Traca-de-Almeida, A. Design of small photovoltaic power supplies for remote and rural areas 4—40340
Trachsel, R., Bachofner, P., Butikofer, J.-F. Integrated telecommunication system (IFS): the status of the new project 4—60623
Tracy, S. Polysil poised for the marketplace 4—49613
Traczewski, R. *see* Hoke, W.E. 4—41041
Tradinik, W. A high power ultrasonic system for material testing and material compaction 4—29571
Tragner, P. The use of the noncontacting temperature measuring techniques in the early detection of hidden faults in electronic components 4—50552
Tragner, P. *see* Walther, L. 4—29152
Trail, J. *see* Byer, R.L. 4—53119
Trainin, S.B. *see* Yakubaitis, E.A. 4—43726
Trainor, D.W. *see* Fulghum, S.F. 4—37445
Trainor, R.J. *see* Kania, D.R. 4—34784, 4—57237
Trakalo, M., Moore, C.J., Leslie, J.D., Brodie, D.E. Apparatus for measuring Seebeck coefficients of high-resistance semiconducting films 4—44569
Trakas, R.C. Establishing realistic requirements for reliability, maintainability and built-in-test 4—46031
Trakowski, W., Dreute, J., Sonntag, S., Brechtmann, C., Beer, J., Heinrich, W. An automatic measuring system for heavy nuclei tracks in plastic detectors 4—55912
Trakowski, W. *see* Drechsel, H. 4—55953
Trakowski, W. *see* Sonntag, S. 4—55911
Tram, H.N. *see* Malone, M.J. 4—49564
Tram, H.N. *see* Willis, H.L. 4—56592
Trammell, R.C. *see* Britton, C.L. 4—39503
Trammell, R.C. *see* Raudorf, T.W. 4—33698
Tran, D.C., Burk, M.J., Sigel, G.H., Jr., Levin, K.H. Preparation of single-mode and multimode graded-index fluoride-glass optical fibers using a reactive vapor transport process 4—52630
Tran, F.B.P. *see* Chang, J.-S. 4—56768
Tran, N.H., Kachru, R., Gallagher, T.F., Watjen, J.P., Bjorklund, G.C. Generation of microwaves by mixing two optical frequencies in a nonlinear crystal: a novel approach to high-bandwidth optical mixers 4—31489
Tran, R.T. *see* Courte, E.V. 4—32449
Tran, T. *see* Gill, M. 4—59039
Tran-Gia, P., Manfield, D.R. Performance analysis of communication delay optimization in distributed processing environments 4—48285
Trancoso, I.M., Garcia-Gomez, R., Tribolet, J.M. A study on short-time phase and multipulse LPC 4—53520
Trankler, H.R. The techniques of measurement and the processing of metered signals 4—55559
Trankler, H.R. Measurement techniques and signal processing 4—61167
Tranquilla, J.M., Balmain, K.G., Wong, S. An improved model for the anisotropic trapezoidal antenna 4—31788
Tranquilla, J.M., Dickson, C. Resonant behaviour of the circular loop Yagi array 4—31787
Tranquilla, J.M. *see* Briggs, W.E. 4—39287
Traore, A. Power characteristics of induction machines under transient conditions 4—49879
Trapani, G. *see* Bennett, S. 4—61456
Trapani, G. *see* Walworth, V. 4—60164
Trapani, G.B. *see* Racich, J.L. 4—52748
Trapeznikov, M.B. *see* Borodulin, V.I. 4—59545
Trapeznikov, M.B. *see* Popov, Yu.V. 4—59362
Trapiello, L. *see* Kindelan, M. 4—49270
Trappitt, A.E. *see* Slater, E.J. 4—56181
Trapple, R. *see* Horn, W. 4—56149
Traspedini, L. *see* Bellotti, E. 4—33635
Traspedini, L. *see* Benso, S. 4—33641
Traub, J.F., Wasilkowski, G.W., Wozniakowski, H. Average case optimality for linear problems 4—35435
Traub, W.A. Laboratory demonstration of image reconstruction for coherent optical system of modular imaging collectors (COSMIC) 4—60156
Traunmuller, H. Spectral resolution in timbre perception of vowels 4—31902
Traunmuller, H. Articulatory and perceptual factors controlling the age- and sex-conditioned variability in formant frequencies of vowels 4—43238
Traunukhin, V.D. *see* Platonenko, V.T. 4—42552
Trautmann, G. *see* Laubli, F. 4—56790
Trautsch, J., Muller, E. Previous examination and reliability verification of electronic modules—a literature survey 4—50589
Trautzl, G. *see* Moseley, G. 4—38303
Travassos, R.H. Real-time implementation of systolic Kalman filters 4—53594
Traver, R.W. Locating the key variable(s) [quality management] 4—40878
Travina, Yu.Ya. *see* Kozlov, V.S. 4—40213
Travis, B. Silicon-gate data-acquisition circuits feature S/H, multiplexed inputs 4—30759
Travis, B. Data converters 4—46522
Travis, B. DIP-housed track/hold amplifiers follow A/D-converter advances 4—50993
Travis, B. Discrete power semiconductors 4—58924
Travis, K.J. *see* Carey, E.R. 4—36477
Travis, K.J., Jr. *see* Scrivner, C. 4—52204
Treacy, J.J. Flight safety issues of an all-electric aircraft 4—49380
Treacy, T. Connecting the PCB 4—58627
Treadaway, M.J. *see* Coakley, P.G. 4—31568
Treado, M.J. Digital data transmission over typical voice channels 4—38495
Trebes, J. *see* Krishnan, M. 4—52871
Treble, F.C. *see* Dogniaux, R. 4—33083
Trechcinski, J. Contribution to optimization of switching networks 4—32093
Trechcinski, J. The rural telephonization concept 4—54125
Treder, R.A. Remote ultrasonic inspection in a long rod 4—50863
Tredgold, R.H. *see* Winter, C.S. 4—52051, 4—52054
Tredwell, T.J. High-density solid-state image sensors 4—61278
Tredwell, T.J. *see* Burkey, B.C. 4—36588
Tredwell, T.J. *see* Lee, T.H. 4—37230
Tree, R.J. *see* Coe, D.J. 4—36611
Tree, R.J. *see* Whight, K.R. 4—36487
Trefny, F.J. *see* Darlington, H.T. 4—56459
Tregilgas, J.H. *see* Schaake, H.F. 4—30497
Tregub, A.I. *see* Barabash, L.I. 4—55629
Tregub, D.P. *see* Borodulin, V.I. 4—42662
Tregub, D.P. *see* Smiyan, B.I. 4—59546
Treiber, U. *see* Sischka, F. 4—51020
Treichler, J.R. Adaptive algorithms that restore signal properties 4—53751
Treichler, J.R., Larimore, M.G. A real-arithmetic implementation of the constant modulus algorithm 4—53673
Treichler, J.R. *see* Larimore, M.G. 4—53753
Treideris, G. *see* Valacka, K. 4—58013
Treiger, A.S. *see* Durov, E.V. 4—39899
Treis, P.P. *see* Yakubaitis, E.A. 4—43726
Trelewicz, A. *see* Ossowicki, J. 4—45573
Treloar, B. *see* Pang, K.K. 4—30034
Tremain, R.E., Jr. *see* Scharfetter, D.L. 4—36741
Tremblay, B., Tsui, Y.T. On free transient convective heat transfer between cable and its surrounding pipe or duct wall 4—34179
Tremblay, D., Roy, D. The truncated spherical mirror for energy analysis combined with direct measurement of angular distribution 4—37536
Tremblay, R. *see* Jerominek, H. 4—59287
Tremblay, R. *see* Scarborough, K. 4—60055
Tremong, F. An overview of the Lille automated transit system 4—62764
Trendel, R. *see* Berry, G. 4—38391
Trenkler, B. Instant evaluation of CO_2 volume per breath at breathing out 4—39517
Trenkler, Y. *see* McBride, L.E. 4—59806
Trepalina, V.I. *see* Marov, N.N. 4—36484
Trepanier, C. Your agent is busy—please hold! 4—48009
Trepera, R. *see* Sonsky, M. 4—58438
Treseder, R.C., Grant, T.J., Miram, G.V. Design of quick start, high current density electron guns 4—36182
Treshchev, I.I., Klimova, N.S. EM transients during starting of electrically-driven automobiles with gas-turbine motors 4—50168
Treskin, S.A. *see* Mavashev, Yu.Z. 4—55369
Tress, G. *see* Vater, P. 4—55961
Tressler, R.E. *see* Das, M.B. 4—30541
Tresso, E. *see* Demichelis, F. 4—40459, 4—45657
Tret'ilak, S.A. *see* Vilenchik, L.S. 4—39195
Tret'yakov, N.D. Phase-sensitive demodulator with pulsed samples for a photoreceiver 4—48819
Treves, D. *see* Kowalski, D.C. 4—52721
Treves, S.R. Preparing for the integrated services digital network 4—43546
Trevisan, M. Public lighting systems—the advantages of TN distribution 4—35039
Trew, R.J. *see* Golio, J.M. 4—47050, 4—58934
Trew, R.J. *see* Khatibzadeh, M.A. 4—36636
Trhlik, J. *see* Juza, J. 4—48693
Tria, P.di *see* di Tria, P.
Tribillon, J.-L. Holography and other 3-D techniques: actual developments and impact on business 4—37476
Tribolet, J.M. *see* Delgado, J.C. 4—54103
Tribolet, J.M. *see* Ortigueira, M.D. 4—53761
Tribolet, J.M. *see* Trancoso, I.M. 4—53520
Triboulet, M. An interactive teledistribution network using fiber optic technologies 4—43550
Triboulet, R., Neu, G., Fotouhi, B. Growth and characterization of the complete $Cd_{1-x}Zn_xTe$ alloy series 4—29456
Triboulet, R. *see* Tenne, R. 4—41923
Tributsch, H. *see* Kunst, M. 4—46897
Tricarico, J.D. *see* Thomas, D.E. 4—37666
Trick, M., Strojwas, A.J., Director, S.W. Fast RC simulation for VLSI interconnect 4—36901
Trick, T.N. *see* Chia, W.K. 4—35726
Trick, T.N. *see* Lee, C.F. 4—29587
Trick, T.N. *see* Rao, V.B. 4—30778
Tricoles, G.P., Brundege, E.E., Rope, E.L. Wavefront processing of radio-frequency wavefront data 4—60198
Trietley, H. Thermistors compensate gain TC 4—36084
Trietley, H.L. All about making measurements electronically 4—44566
Trifa, V. *see* Kelemen, A. 4—34695
Trifel', M.S. *see* Abdullaev, K.M. 4—40103
Triffaux, J. *see* Coppieters, L. 4—52350
Trifonov, A.P., Fedorov, V.I., Sharapov, S.I. Analysis of threshold effects when estimating the position of a random-signal source 4—53657
Trifonov, E.F. *see* Smagin, Yu.A. 4—33494
Trifonov, N.N. *see* Tsanev, S.V. 4—49727
Trifonov, V.A., Tyuryukanov, P.M. Extraction of the useful signal by a delay line 4—29747
Trifonova, E.P. *see* Karagiozov, L. 4—35453
Trigari, S. *see* Russo, V. 4—47245
Trigg, A.D. *see* Richards, B.P. 4—47337
Trigg, M. *see* Linder, M. 4—44458
Triggiani, G. *see* Amendolia, S.R. 4—49068
Trigubo, A.B. *see* Allen, S.D. 4—58050
Trillo, S. *see* Biagini, M. 4—47384
Trimble, L.E. *see* Ng, K.K. 4—36867
Trimmer, W.S. *see* Beni, G. 4—48733
Trinchuk, B.F. *see* Gavrilova, L.I. 4—41744
Trinder, E. The influence of intermodulation distortion upon speech intelligibility for hearing impaired 4—37914
Trines, D. *see* Micke, U. 4—39434
Tringela, J. *see* Kripsky, A. 4—49832

Trinh, E. *see* Wang, T.G. 4—50733
Trinks, U. Superconducting cyclotrons as boosters for tandems 4—33573
Tripathi, J.N. Determination of autocorrelation function of rectangular wave modulated signals 4—59920
Tripathi, S.K. *see* Agrawala, A.K. 4—40921
Tripathi, V.K., El-Deeb, N.A., Abdallah, E.A.F., Saleh, M.B. Comments on 'The design parameters of nonsymmetrical coupled microstrips' [and reply] 4—41540
Tripathi, V.K., Lee, H., Rettig, J.B., Doubrava, L.J., Beren, J.A. Accurate computer aided analysis of crosstalk in single and multilayered interconnections for high speed digital circuits 4—58228
Tripathi, V.K., Lunden, H.B., Starski, J.P. Analysis and design of branch-line hybrids with coupled lines 4—41557
Tripathi, V.K., Wolff, I. Perturbation analysis and design equations for open- and closed-ring microstrip resonators 4—41556
Tripathy, S.C., Bhatti, T.S., Jha, C.S., Malik, O.P., Hope, G.S. Sampled data automatic generation control analysis with reheat steam turbines and governor dead-band effects 4—45279
Tripathy, S.C., Durga Prasad, G., Malik, O.P., Hope, G.S. Late discussion and closure to 'load-flow solutions for ill-conditioned power systems by a Newton-like method' (Oct. 1982 3648-57) 4—62025
Tripathy, S.C., Jha, C.S., Bhatti, T.S., Ram, B., Balasubramanian, R. The interfacing of a micro-alternator with a microcomputer for real-time monitoring 4—34606
Tripathy, S.C. *see* Kanniah, J. 4—49523
Tripier, J. *see* Debeauvais, M. 4—55943
Tripoten', I.G. *see* Bobikov, V.E. 4—49997
Trippel, G. *see* Rossi, E.M. 4—31015
Trischler, E. Design for testability using incomplete scan path and testability analysis 4—35762
Trischler, E. Testability analysis and incomplete scan path 4—36757
Trischuk, J. *see* Ushida, N. 4—56030
Trissl, K.-H., Heller, A. The PAL 8-field sequence and its effects on television-tape editing 4—55065
Trivedi, A.K. *see* Kwong, A.F. 4—58046
Trivedi, K. *see* Geist, R. 4—40892
Trivedi, M.M., Harlow, C.A. Identification of unique objects in high resolution aerial images 4—60167
Trnka, J. *see* Koran, A. 4—62848
Troeger, G.L., Notthoff, J.K. A radiation-hard low-power GaAs static RAM using E-JFET DCFL 4—29882
Troegubov, A.I. *see* Aksenov, V.N. 4—39361
Troeltzsch, L. 3M optical videodisc project. II. Preparing the premaster videotape 4—32973
Trofimenko, I.T. *see* Komolov, V.P. 4—47859
Trofimenkoff, F.N., Nordquist, A.E. Single amplifier resistance bridges with feedback linearization 4—33255
Trofimov, G.G., Sysoev, V.V., Gatsenko, N.A. Operation of cable lines at a high level of higher harmonics 4—39881
Trofimov, I.E. *see* Bannaya, V.F. 4—51765
Trofimov, V.T. *see* Zasavitskii, I.I. 4—47331
Trofimov, Yu.A. *see* Afanas'ev, A.P. 4—62495
Trofiomov, E.Ya. *see* Krivoshein, G.M. 4—40050
Troha, D.G., Gallia, J.D. Design and principles of digital phase-locked loop circuits. II 4—51047
Troili, R. *see* Molair, P.G. 4—56920
Troitskii, A.M. *see* Korizna, I.Yu. 4—57517
Troitskii, V.A., Bondarenko, Yu.K., Baldakov, V.F., Neglyad, E.V. Automatic apparatus for ultrasonic inspection of welded joints in pipes 4—29549
Troitskii, V.A., Bondarenko, Yu.K., Es'kov, Y.B., Rad'ko, V.P., Drob', I.M. Making automatic ultrasonic inspection more objective 4—62016
Troitskii, V.O. *see* Loktyushin, A.A. 4—42605
Troitskii, Yu.V. *see* Bel'tyugov, V.N. 4—37415
Troitskii, Yu.V. *see* Kol'chenko, A.P. 4—37391
Troitskii, Yu.V. *see* Sukhanov, I.I. 4—31288
Trojan, V. *see* Jojko, Z. 4—45790
Trojanowski, E. Operational experience of audio frequency controlled power supply installations in Gdansk network 4—62047
Trojanowski, I. The Polish 750 kV transmission system 4—62137
Trojanowski, J. *see* Szczerba, R. 4—56413
Trokhan, A.M. *see* Maslov, V.K. 4—53101
Trombka, J.I. *see* Evans, L.G. 4—33961
Tromborg, E.T., Hunter, G.D. Automated inspection of hot steel slabs 4—45774
Trommel, E.S. *see* Diemeer, M.B.J. 4—42383
Trommer, G. *see* Krause, G. 4—56650
Trommer, H. The rational use of heating and power stations in integrated transmission systems 4—34035
Tromp, L.D. *see* Rudko, M. 4—35595
Tromp, R.M. *see* Oehrlein, G.S. 4—58860
Trondle, K. *see* Irber, A. 4—31861
Trondle, K. *see* Tschajka, L. 4—43003
Trong Mu Le *see* Le Trong Mu
Tropf, H. *see* Walter, I. 4—32058
Troshin, B.I. *see* Sologub, V.P. 4—42543
Troshkov, S.I. *see* Andreev, V.M. 4—40445
Troshkov, S.P. *see* Andreev, V.M. 4—45661
Trosino, J.M. *see* Onaral, B. 4—35212
Trost, M. VCA Teletronics makes a special delivery [radio and TV broadcasting] 4—32893
Trostell, B. *see* Olsson, N. 4—56036
Trostell, J.M. *see* Williamson, F.R. 4—54879
Troster, D.A. BST-PINK PANTHER. An intelligent CAMAC crate controller 4—44700
Trotsenko, A.V. *see* Brunshtein, Yu.G. 4—33265
Trotter, D. *see* Lewicki, G. 4—42172
Trotter, J.D. *see* Wade, T.E. 4—58816
Troutman, R.R., Hargrove, M.J. Transmission line model for latchup in CMOS circuits 4—30795
Troutman, R.R., Zappe, H.P. Layout and bias considerations for preventing transiently triggered latchup in CMOS 4—36838
Troutman, W.W. *see* Diodato, P.W. 4—35824
Troutman, W.W. *see* Goksel, A.K. 4—51367
Trovato, M. *see* Brucoli, M. 4—45020, 4—62060
Trover, W.F. Integrated realtime software for both airborne flight test systems and PCM ground stations 4—49438
Trowbridge, C.W. *see* Biddlecombe, C.S. 4—47556
Trowbridge, C.W. *see* Simkin, J. 4—31559
Troyan, L.A. Effect of the surface relief of the lower electrode on the parameters of formed MIM systems 4—41921
Troyan, Yu.G., Sizov, F.F. Calculating some parameters of $Pb_{1-x}Sn_xTe$ photodiodes ($0=x\leq 0.25$) 4—37212
Troyk, P.R. Design techniques for an implantable active electrode 4—44783
Troyon, M. A field emission gun with magnetic accelerator lens 4—58679
Trstensky, D., Zschockelt, R. Optimisation of reliability in signal networks 4—47709
Trtanj, M. *see* Maksimovic, Z. 4—56828
Trubanov, V.A. *see* Sokolov, S.E. 4—45485
Trubetskoi, A.V. *see* Pen, E.F. 4—31204
Trubetskov, D.I. *see* Bezruchko, B.P. 4—30275
Trubetskov, D.I. *see* Vaynshteyn, L.A. 4—41760
Trubitsyn, E.V. *see* Negrutsak, V.T. 4—55490
Trubnikov, A.I. *see* Alekseev, A.G. 4—55715
Trucker, D.C. *see* Kallis, J.M. 4—40455
Trudel, M. *see* Nagaswami, V. 4—36672
Trudgen, G.A. Simple object-sensor circuits give target-position information 4—39175
True, R. A theory for coupling gridded gun design with PPM focusing 4—36179
True, R. Computers and tubes—Today and tomorrow 4—36194
Trueman, D.G. The current videotex capabilities of the microcomputer: a user's view 4—48155
Trujillo, E.J. *see* Roscoe, S.N. 4—61872
Trujillo, F. *see* Umbarger, C.J. 4—33899
Trujillo, F. *see* Waechter, D.A. 4—33898
Trukhanov, A.I. *see* Gundarov, V.P. 4—56082
Trukhin, V.A. *see* Korneev, V.V. 4—40514
Trump, B. *see* Anderson, T. 4—58482
Trumper, H., Hain, K. Energy conservation in buildings—the consequences for heat supply 4—45761
Trumper, M. *see* Stephan, G. 4—52908
Trumpp, H. *see* Lajza, J.J., Jr. 4—42101
Trumpy, E. What does the electrical industry expect from the Swiss Federal Colleges with regard to electrical and nuclear engineering education 4—57719
Trundle, E. Test report: Unaohm EP689 pattern generator 4—39204
Trung Ta Do *see* Do Trung Ta
Truong, K. *see* Brand, C. 4—33639
Truong, T.K., Reed, I.S., Lipes, R.G., Rubin, A.L., Butman, S.A. Digital SAR processing using a fast polynomial transform 4—48498
Truong, T.K. *see* Reed, I.S. 4—37868, 4—43117
Truong, T.K. *see* Townes, S.A. 4—60555
Truong, T.K. *see* Yeh, C.-S. 4—41303
Truong quang Mui *see* Peitzsch, L. 4—57618
Trushkin, A.V. Monotony of Lloyd's method II for log-concave density and convex error weighting function 4—43105
Trusk, J.F., Johnson, R.H. Control modernization—can you afford not to? 4—49653
Trus'ko, V.L., Chaadaev, V.V., Chernov, V.G. Technical progress and economical aspects 4—38782
Trussell, H.J., Civanlar, M.R. The feasible solution in signal restoration 4—43329
Trussell, H.J., Civanlar, M.R. Signal deconvolution by projection onto convex sets 4—60075
Trussell, H.J. *see* Parker, A. 4—53487
Trutna, R. *see* Bartlett, K. 4—36820
Trutna, R. *see* Hillis, G. 4—36746
Trutt, F.C., Morley, L.A., Rufft, D.J. Sensitive ground fault protection 4—56686
Trutt, F.C., Novak, T., Morley, L.A. Analysis of shock potential in AC mine power systems 4—56687
Trutt, F.C. *see* Novak, T. 4—56603
Truve, A.B. *see* Lind, F.G. 4—49120
Truxal, C. *see* Hayes-Roth, F. 4—50398
Truxal, J.G. Comments on standard measures for excellence 4—35193
Trybus, P.R., Finci, A.G. Degradation data for EMP protective systems 4—59792
Trykozko, R. *see* El-Halawany, S. 4—52769
Tryon, D.R. *see* Auch, A.G. 4—46426
Trzaska, H. Electromagnetic field dosimetry in biomedical investigations 4—61844
Trzeciak, A. *see* Mitkowski, E. 4—45088
Tsai, D.T. *see* Grigg, C.H. 4—34102
Tsai, H.L., Butler, S.R., Williams, D.B., Kraner, H.W., Jones, K.W. Cl incorporation at the Si/SiO_2 interface during the oxidation of Si in HCl/O_2 ambients 4—30543
Tsai, L.L., Achugbue, J.O. BURLAP: a cell-based VLSI design system 4—36759
Tsai, M.J., O'Connor, D.A. Experiments with extrapolation of band-limited signal 4—60099
Tsai, M.Y. *see* Roth, J.P. 4—36841
Tsai, S. *see* Drucker, H. 4—38331
Tsai, V. *see* Gill, M. 4—59039
Tsai, W.-H. *see* Lin, J.C. 4—47921
Tsai Fure-Tzahn *see* Fure-Tzahn Tsai
Tsai Yang Tien *see* Tien Tsai Yang
Tsai Zhenyuan Six-meter small earth station antenna 4—54723
Tsai-hwa Chen Measuring RF noise in pulsed Doppler radar 4—39304
Tsaknakis, H., Kaxakos, D., Papantoni-Kazakos, P. Robust prediction and interpolation for vector stationary processes 4—43372
Tsalamengas, J.L. *see* Uzunoglu, N.K. 4—46613
Tsaliovich, A. Defining and measuring EMC performance of electronic cables 4—37641
Tsanev, S.V., Tambieva, I.V., Syutkina, T.B., Korotkova, L.S., Permyakov, V.A., Ermolov, V.F., Trifonov, N.N. The cost effectiveness of using mixing-type regenerative superheaters 4—49727
Tsang, C. *see* Beardsley, I.A. 4—31005
Tsang, D.Z., Walpole, J.N., Liau, Z.L., Groves, S.H. Buried-heterostructure Q-switched diode lasers 4—52962
Tsang, D.Z., Walpole, J.N., Liau, Z.L., Groves, S.H., Diadiuk, V. *Q* switching of low-threshold buried-heterostructure diode lasers at 10 GHz 4—52950
Tsang, D.Z. *see* Liau, Z.L. 4—42612, 4—59531
Tsang, J.-K. *see* Clark, S.E. 4—42170
Tsang, P.J. *see* Gaur, S.P. 4—36553
Tsang, S., Kruger, H.B., Attfield, B.W. Planning a large satellite communications network 4—38562
Tsang, W.T. The preparation of materials for optoelectronic applications by molecular beam epitaxy 4—42622
Tsang, W.T. *see* Cheung, N.K. 4—54795
Tsang, W.T. *see* Lee, T.P. 4—37214
Tsang, W.T. *see* Olsson, N.A. 4—31445, 4—44117
Tsang, W.T. *see* Temkin, H. 4—31387
Tsang, W.-T. *see* Capasso, F. 4—42481
Tsang, Y.L. *see* Aboelfotoh, M.O. 4—36597
Tsang Ching *see* Ching Tsang
Tsang Chit-Sang *see* Chit-Sang Tsang
Tsang Wai Wan *see* Wai Wan Tsang
Tsankarski, I. *see* Nachev, G. 4—57615
Tsanov, M.Kh. *see* Vulkov, S.A. 4—41377
Tsao, C., Gray, R.M. An endpoint detector for LPC speech using residual error look-ahead for vector quantization applications 4—53530
Tsao, C.D. A local area network architecture overview 4—60515
Tsao, C.H., Mittra, R. Spectral-domain analysis of frequency selective surfaces comprised of periodic arrays of cross dipoles and Jerusalem crosses 4—47661
Tsao, C.H. *see* Mittra, R. 4—47581
Tsao, J.Y. *see* Graber, W.S. 4—59000
Tsao Hen-wai *see* Hen-wai Tsao
Tsapenko, E.F., Kudryavtsev, A.S. Convertor control of insulation resistance in 6-10 kV mains with isolated neutral 4—62176
Tsarenko, G.V. *see* Volkov, A.S. 4—30421
Tsarenkov, B.V. *see* Bessolov, V.N. 4—42462
Tsarenkov, B.V. *see* Volkov, A.S. 4—30421
Tsarkov, G.P. *see* Seregin, M.D. 4—40653
Tsatsaronis, G., Spindler, K. Thermodynamic analysis of a new process for hydrogen and electric power production by using carbonaceous fuels and high-temperature process heat 4—49745
Tsaur, B.Y. *see* Kwong, D.L. 4—42012
Tsaur, B.-Y., Mountain, R.W., Chen, C.K., Turner, G.W., Fan, J.C.C. Effects of ionizing radiation on SOI/CMOS devices fabricated in zone-melting-recrystallized Si films on SiO_2 4—52298
Tsaur, B.-Y., Woodhouse, J.D. Triple ion implantation technique for formation of shallow npn bipolar transistor structures in silicon 4—42031
Tsaur, B.-Y. *see* Chen, C.K. 4—50802
Tsaur, B.-Y. *see* Choi, H.K. 4—47131
Tsaur, B.-Y. *see* Fan, J.C.C. 4—41814
Tsaur, B.-Y. *see* Sheldon, P. 4—50750
Tsaur, K.-C., Pollard, R. Mathematical modeling of the lithium, thionyl chloride static cell. II. Acid Electrolyte 4—50032
Tsaur, K.-C., Pollard, R. Mathematical modeling of the lithium, thionyl chloride static cell. I. Neutral electrolyte 4—50033
Tsay, C.Y., Chao, K.S. An efficient algorithm for switchbox routing 4—42137

Tschajka, L., Trondle, K. Maximum signal-to-error ratio in transmitting random signals over linear and nonlinear systems 4—43003
Tscharr, R. *see* Finck, K.-R. 4—62588
Tschicholz, M. *see* Bauerfeld, W.L. 4—43674
Tschiesche, H. *see* Bethmann, A. 4—38711
Tschigirjev, I. *see* Solbrig, O. 4—49181
Tschirwitz, U. Electrical fuses. II. Selectivity 4—57262
Tschudi, T. Computer generated holograms for the quality control in micromechanics 4—59631
Tschudi, T. *see* Goltz, J. 4—38047
Tsechanski, A., Shani, G. The accuracy of $T(d,n)^4He$ neutron energy measurements using an NE-213 liquid scintillator 4—33770
Tsechanski, A., Shani, G. A deuteron energy loss evaluation in a solid Ti-T target used for the $T(d,n)^4He$ reaction 4—55808
Tsedilina, Ye.Ye. *see* Tushentsova, I.A. 4—53210
Tsedzhinov, E.S. *see* Kadomskaya, K.P. 4—62647
Tseitlin, B.M., Gaiduk, V.I. Nonlinear theory of the dielectric susceptibility of a classic ensemble of rotators 4—47514
Tseitlin, M.S. *see* Belokopytov, A.Yu. 4—62196
Tselis, A., Gonzalez de la Cruz, G., Quinn, J.J. Collective modes of type II semiconductor superlattices 4—58781
Tselishchev, I.V. *see* Bikineev, V.A. 4—61707
Tseng, W.F. *see* Christou, A. 4—36037
Tseng, W.F. *see* Zhang, B. 4—36329
Tseng Fang-Churng *see* Fang-Churng Tseng
Tsenter, B.I., Molochnik, T.A., Dankova, I.S., Kudryashov, V.S. Stationary gas cycles in sealed nickel-hydrogen batteries 4—45608
Tsepelev, V.E. *see* Averin, A.P. 4—59451
Tsepilov, G.V. *see* Volovik, V.D. 4—48862
Tserng, H.Q., Kim, B. High-efficiency Q-band GaAs FET oscillator 4—29693
Tserng, H.Q. *see* Kim, B. 4—29673
Tserng, H.W. *see* Kim, B. 4—36047
Tserruya, I. *see* Breskin, A. 4—39428
Tserruya, I. *see* Van Bibber, K. 4—33672
Tsesler, L.B. *see* Perevalov, G.N. 4—58088
Tsfasman, G.M. Stability analysis of controlled valve converters by the D-partitioning method 4—45510
Tsfasman, G.M. *see* Nosik, L.P. 4—40318
Tsfasum, M.A. *see* Katsman, G.L. 4—43102
Tsgoev, R.S. Control of an asynchronized synchronous electromechanical frequency converter 4—45502
Tsgoev, R.S. *see* Venikov, V.A. 4—44995
Tsialas, S. *see* Dimitriou, P. 4—49162
Tsibina, A.A., Danilevich, S.B. Choice of performance criteria in checking means of measurement 4—33076
Tsichritzis, J. *see* Katopis, G. 4—29813
Tsien, P.H. *see* Gotzlich, J. 4—36423
Tsiganis, J. *see* Economakos, E. 4—34091
Tsikinovskii, V.S., Loboda, P.N., Ivanova, A.S. Dialogue subsystem of automatic process control system for power activities 4—39815
Tsimring, Sh.E. *see* Malygin, S.A. 4—42910
Tsin, Y.H., Chin, F.Y. Efficient parallel algorithms for a class of graph theoretic problems 4—50666
Tsintsadze, N.L. *see* Barkhudarov, E.M. 4—53112
Tsiptsyura, R.D. *see* Sklyarov, V.F. 4—34605
Tsirkin, I.Z. *see* Efimochkin, G.I. 4—40094
Tsirlin, Yu.A. *see* Galunov, N.Z. 4—33719, 4—39456
Tsirlin, Yu.A. *see* Pomerantsev, V.V. 4—33726
Tsironis, C., Meierer, R., Stahlmann, R. Dual-gate MESFET mixers 4—36046
Tsitlik, J.E. *see* Halperin, H.R. 4—49132
Tsitomeneas, S. *see* Avaritsiotis, J.N. 4—35067
Tsitsikyan, G.N., Merkur'ev, V.G. Electromagnetic characteristics of a conductor with current near a massive structure 4—45050
Tsitsimis, J. *see* Saucier, G. 4—30738
Tsitsovits, A.J., Freris, L.L. Dynamics of diesel-wind systems 4—34457
Tsividis, Y. Analog signal processing in MOS LSI and VLSI 4—30780
Tsividis, Y., Maseti, G. Problems in precision modelling of the MOS transistor for analog applications 4—30617
Tslaf, A.L. *see* Kaplan, M.N. 4—30828, 4—41625
Tslaf, A.L. *see* Nir, J. 4—39904
Tso, S.K., Pu, F.W. Software realisation of synchronisation and firing control of thyristor convertors 4—49961
Tso, S.K., Tang, K.H. Improvements in microprocessor-controlled triac cycloconverters 4—57206
Tso Hsiao *see* Hsiao Tso
Tso-ping Ma *see* Tze-chiang chen 4—59295
Tsoi, A.C., Anderson, B.D.O. *d*-step lattice-ladder predictor in terms of one-step lattice-ladder predictors 4—47824
Tsoi, G.M. *see* Shnyrkov, V.I. 4—37071
Tsolakis, A. *see* Stutzman, W.L. 4—31662
Tsollan, A.A. A method of tuning thermocompensation bridges of the cold junctions of thermocouples 4—61329
Tsonev, L. Optical beam splitter and focuser in $Ti:LiNbO_3$ planar waveguide 4—42437
Tsonev, L. *see* Savatinova, I. 4—38594
Tsou, S., Wang, W., Lin, C., Xia, G. CW-CO_2-laser alloying of Au-Ge-Ni ohmic contacts on GaAs 4—36337
Tsoukkerman, I.I. *see* Sardyko, S.V. 4—54972
Tsovboon, V.I., Henniger, J., Gi Hon Ho Response functions of $CaSO_4$(Dy) and $BaSO_4$(Dy) thermoluminescent detectors to gamma radiation 4—61742
Tsu, R. *see* Gonzalez-Hernandez, J. 4—30302, 4—46232
Tsu-liang Lu *see* Lu Tsu-liang
Tsu-Lung King *see* Chien Chou 4—44627
Tsubakimoto, H. Performance of prototype batteries for diesel cars 4—45607
Tsuboi, H. *see* Misaki, T. 4—34609
Tsuboi, K. *see* Okazaki, N. 4—58335
Tsuboi, T. *see* Ito, K. 4—36107
Tsubokura, F. *see* Nishimura, T. 4—58286
Tsubono, K. *see* Kuroda, K. 4—55384
Tsubouchi, K., Mikoshiba, N. Zero temperature coefficient SAW delay line on AlN epitaxial films 4—59119
Tsubouchi, N. *see* Denda, M. 4—39080
Tsubouchi, N. *see* Hirayama, M. 4—41995
Tsubusaki, S. *see* Takashima, Y. 4—53162
Tsuchida, H., Ohyama, M., Sasaoka, M. The rule of setting accent type on Japanese first name 4—53478
Tsuchida, H. *see* Yukimatsu, K. 4—54528
Tsuchida, K. *see* Aoki, S. 4—60744
Tsuchida, M. *see* Mizumoto, T. 4—42241
Tsuchida, N. *see* Miyabe, H. 4—54040
Tsuchida, S., Ishioka, H., Okuyama, Y., Tsujide, T., Tameda, M. A 64K pseudo static RAM with N-well CMOS technology 4—30785
Tsuchihashi, M. *see* Watanabe, K. 4—57510
Tsuchihashi, N. *see* Nakayama, N. 4—47342
Tsuchiy, H. *see* Yanagisawa, H. 4—55637
Tsuchiya, H. *see* Fukami, T. 4—50811
Tsuchiya, H. *see* Uchiike, H. 4—48973
Tsuchiya, I. *see* Kageyama, T. 4—30257, 4—36189
Tsuchiya, K. *see* Suenaga, M. 4—37044
Tsuchiya, T. Direct digital control of electrical drive system based on improved optimal regulator theory 4—40539
Tsuchiya, T. Electrical drive control by state feedback or output feedback control based on improved optimal regulator theory 4—57379
Tsuchiya, T. *see* Namikawa, H. 4—50808
Tsuchiya, T. *see* Shida, S. 4—51433
Tsuchiya, T. *see* Yokokawa, S. 4—39799
Tsuchiya, Y. *see* Kinoshita, K. 4—61735
Tsuda, H., Kawazu, M., Hata, R., Hirose, M., Fukagawa, H., Imajo, T., Kanemaru, K., Kaito, J. Development and actual use of 275 kV low loss self-contained oil-filled cables with laminated paper insulation 4—45115
Tsuda, I., Tanaka, T., Sawata, S., Tani, T. Operating characteristics of solar total energy experimental facility 4—40173
Tsuda, K. Advanced electronic equipment for Japanese fishing boats 4—32637
Tsuda, M., Oikawa, S., Yabuta, M., Yokota, A., Nakane, H. A highly-sensitive dry developable resist 4—30477
Tsudagawa, M. *see* Tsutsumi, S. 4—45723
Tsuei, C.C. *see* Bermon, S. 4—53234
Tsuei, C.C. *see* Chi, C.C. 4—44594, 4—55408
Tsuei, C.C. *see* DeLuca, J.C. 4—47222
Tsuge, H., Nordman, J.E. Nb_3Sn-Pb Josephson junctions using Nb_3Sn formed by reaction of Nb/Sn dual-layer films 4—31064
Tsuge, K. *see* Ishihara, K. 4—52341
Tsugita, M. *see* Honjo, S. 4—53164
Tsui, B.M.W., Jaszczak, R.J. Interactions of collimation, sampling and filtering on SPECT spatial resolution 4—39534
Tsui, B.M.W. *see* Austin, J.D. 4—61782
Tsui, D.C. *see* Cage, M.E. 4—58776
Tsui, D.C. *see* Hensel, J.C. 4—30453
Tsui, D.C. *see* Paalanen, M.A. 4—41877, 4—41880, 4—51835
Tsui, F. On-wafer and on-module chip testing 4—29794
Tsui, Y.T. *see* Tremblay, B. 4—34179
Tsuiki, H., Ito, S. Laser pattern generation system 4—30178
Tsuji, H. *see* Fujita, T. 4—57627
Tsuji, H. *see* Ishikawa, J. 4—49063
Tsuji, K., Sasago, M., Kugimiya, K. Submicron optical lithography using a double layer resist by a single development technology 4—30721
Tsuji, K. *see* Suzuki, Y. 4—56725
Tsuji, M., Shigesawa, H., Takiyama, K. Analytical and experimental investigations on several resonant modes in open dielectric resonators 4—51517
Tsuji, M., Yamada, E., Oyama, J., Izumi, K. The application of two axis theory on a three-phase induction machine 4—56995
Tsuji, M. *see* Shigesawa, H. 4—31151
Tsuji, M. *see* Yamada, E. 4—56994, 4—57051
Tsuji, T., Asakura, T., Fujii, H. Variation of the speckle patterns in graded-index fibres with a misaligned joint 4—37121
Tsuji, T. *see* Sugiura, T. 4—30104
Tsuji, Y. *see* Okuno, K. 4—56320
Tsujide, T. *see* Tsuchida, S. 4—30785
Tsujii, H. *see* Nagano, K. 4—46414
Tsujii, M. *see* Imai, M. 4—52604
Tsujii, Y. *see* Terasaka, K. 4—59012
Tsujioka, K. *see* Mito, K. 4—31546
Tsujiuchi, J. *see* Okada, K. 4—37479
Tsujiyama, B. *see* Kozawaguchi, H. 4—37238
Tsujiyama, B. *see* Ohwaki, J. 4—52776
Tsujiyama, B. *see* Seki, S. 4—47041
Tsukada, F., Kadokawa, Y. A statistical method by modeling land mobile communication system and its application to efficient spectrum utilization 4—32696
Tsukada, N., Semura, S., Saito, H., Sugata, S., Asakawa, K., Mita, Y. Laser-enhanced reactive ion etching of GaAs with CCl_4 and H_2 mixed gas 4—36482
Tsukada, T., Takagi, K., Kita, Y., Nagata, M. An automatic error cancellation technique for higher accuracy A/D converters 4—41413
Tsukada, T., Takagi, K., Nagata, M., Kita, Y. High-accuracy MOS A/D converter with inherent self-compensation 4—58403
Tsukada, T. *see* Seki, K. 4—30561
Tsukada, T. *see* Yamamoto, H. 4—44450
Tsukahara, H. *see* Nakashima, M. 4—46747
Tsukamoto, K. Optical inspection system [for PCBs and photomasks] 4—50558
Tsukamoto, K. Apparatus for measuring relative position 4—55679
Tsukamoto, K. *see* Fukuhara, Y. 4—50978, 4—54526
Tsukamoto, K. *see* Kumamoto, T. 4—32275
Tsukamoto, O., Iwasa, Y. Correlation of acoustic emission with normal zone occurrence in epoxy-impregnated windings: an application of acoustic emission diagnostic technique to pulse superconducting magnets 4—37075
Tsukamoto, O. *see* Lore, J. 4—31081
Tsukamoto, T. *see* Havas, G. 4—48218
Tsukamoto, T. *see* Nishikawa, M. 4—62323
Tsukamoto, T. *see* Sekino, S. 4—54135
Tsukamoto, T. *see* Tomita, H. 4—62321
Tsukanov, S.V. *see* Zemskov, G.G. 4—29283
Tsukanov, V.I., Georgiadi, V.Kh. Computer calculation of displacement coefficients for current in rotor bar of electric machine 4—34596
Tsukerman, E.V. *see* Agrinskii, P.V. 4—42741
Tsukerman, Ya.N. *see* Monakhenko, D.V. 4—34467
Tsukii, T. *see* Ayasli, Y. 4—30110
Tsukiji, T., Matsumoto, T., Matsumoto, T. The effect of charges remaining on a dielectric plate upon the 50% impulse surface flashover voltage 4—30829
Tsukishima, T. *see* Katsumata, Y. 4—36547
Tsukiyama, S. *see* Fukui, M. 4—58237
Tsukiyama, S. *see* Harada, I. 4—58236
Tsukiyama, S. *see* Kimoto, T. 4—50905
Tsukornik, G.V. *see* Kirianaki, N.V. 4—44454
Tsukui, A. *see* Takahashi, T. 4—53472
Tsukui, T., Iwaki, H., Miura, M. FACOM 2260 OA board system [teleconferencing] 4—48617
Tsukui, T. *see* Kako, Y. 4—40202
Tsumita, N. *see* Kimura, T. 4—36367
Tsunashima, Y. *see* Moriya, T. 4—42016
Tsunehiro, Y. *see* Iwasaki, M. 4—40249
Tsuneishi, K., Yamanishi, T., Suzuki, S., Yoshida, M. Spray coating of optical fibers for high strippability 4—52677
Tsunekawa, T. *see* Kosaka, Y. 4—44909
Tsuno, K. *see* Yoshida, K. 4—52621
Tsunoda, S. *see* Yamaoka, N. 4—51559
Tsunogae, T. *see* Yamasaki, S. 4—29733
Tsunoyama, M., Naito, S. A method for obtaining approximate steady distribution of Markov chains 4—57915
Tsuo, Y.S., Hurd, J.L., Matson, R.J., Ciszek, T.F. Electron channeling and EBIC studies of edge-supported pulling silicon sheets 4—41816
Tsupin, A.V. *see* Romanovskii, E.A. 4—49075, 4—61699
Tsurkan, G.I., Shmelev, G.M., Ngueyen Hong Shon Photostimulated uneven magnetoresistance at inelastic scattering of electrons in semiconductors 4—30294
Tsuru, Y., Matsunaga, M., Hosokawa, K. Effect of dissolved oxygen on electrodeposition of zinc under the pulsed current electrolysis 4—29506
Tsuruhara, T. *see* Nagatsu, T. 4—32711
Tsuruoka, S. *see* Yorozu, J.-I. 4—61778
Tsuruta, F. *see* Ueno, F. 4—46349
Tsushima, S., Karasawa, S., Matsumoto, F., Ishida, T., Yoshikawa, M. Two-color electrophotography with multilayer photoreceptor 4—53163
Tsutaki, K., Yuasa, Y., Morizumi, Y. A self-consistent nonlinear analysis of the gyrotron 4—36190
Tsutaki, K. *see* Ono, S. 4—30256, 4—36195
Tsutsui, G. *see* Kubota, Y. 4—42358
Tsutsui, K., Furukawa, S. Ion beam mixing of Pt/GaAs and formation of ohmic contacts 4—51871
Tsutsumi, K., Sugahara, H. Fe-Nd-Ti films with perpendicular magnetic anisotropy 4—30945
Tsutsumi, K. *see* Hirai, H. 4—41492
Tsutsumi, M., Sakurai, T., Kumagai, N. Effect on an inhomogeneous magnetic field in YIG film delay lines 4—59154

Tsutsumi, M. *see* Surawatpunya, C. 4—53258
Tsutsumi, S., Takemura, K., Itakura, Y., Tsudagawa, M., Takehana, T., Sakamoto, T., Fujimura, K. An optical type of ground-speed sensor with a reformed spatial-filter and the experimental results 4—45723
Tsutsumi, T. *see* Mano, S. 4—42939
Tsutsumi, T. *see* Ogawa, K. 4—57725
Tsuya, H. Laser annealing method 4—46882
Tsuya, H. *see* Endo, N. 4—59028
Tsuya, H. *see* Hokari, Y. 4—36629
Tsuya, H. *see* Ishitani, A. 4—50755
Tsuya, H. *see* Mikami, M. 4—41068
Tsuya, N., Ohmura, M., Honda, Y., Alsbach, W., Gohnai, T., Kobayashi, M., Shikagawa, N. Design of high frequency DC/DC convertors 4—34766
Tsuya, N. *see* Alsbach, W. 4—34765
Tsuyuki, S., Sano, K., Watanabe, R. The accumulation rule for the video signal transmission quality in the optical repeatered analogue line with laser diodes 4—54777
Tsuyuki, S. *see* Hakamada, Y. 4—38621, 4—48474
Tsuyuki, S. *see* Sato, K. 4—44101
Tsuzuki, A. *see* Kawana, T. 4—44577
Tsuzuki, K. *see* Kitamura, A. 4—32615
Tsuzuki, N. *see* Hyuga, F. 4—59156
Tsuzuki, S., Tsuzuki, T., Nishiyama, S., Nam, S.C. A study on load flow calculation 4—62145
Tsuzuki, S. *see* Ono, O. 4—45021
Tsuzuki, T. *see* Tsuzuki, S. 4—62145
Tsuzuki, Y. *see* Adachi, T. 4—33486
Tsuzuki, Y. *see* Toki, M. 4—30901
Tsuzuki, Y. *see* Ushida, N. 4—56030
Tsvetkov, A.D. *see* Murzin, A.G. 4—59582
Tsvetkov, E.I. Formal metrology and data-acquisition facilities 4—55142
Tsvetkov, E.I. *see* Ivanov, V.N. 4—55144
Tsvetkov, V.A. *see* Burakov, A.M. 4—34591
Tsvetkov, V.Ye. *see* Gorbachev, A.A. 4—53641
Tsvetkovskaya, S.M. *see* Lerer, A.M. 4—51508
Tsvilii, S.L. *see* Postnikov, I.M. 4—57022
Tsvyk, A.I. *see* Varabeyev, G.S. 4—41762
Tsybakov, B.S., Vvedenskaya, N.D. Impatient-packet communication over multiple-access broadcast channel 4—37806
Tsybakov, B.S., Vvedenskaya, N.D. Random multiple access of 'impatient' packets 4—59902
Tsybanev, G.V. *see* Chudutov, Yu.V. 4—55431
Tsybrovskii, G.G. Comparison of switching characteristics of air, vacuum, and sulfur hexafluoride contactors 4—34799
Tsydenov, A.B. *see* Gofman, A.M. 4—61907
Tsygankova, I.N. *see* Naidich, Yu.V. 4—29242
Tsyganov, E.N. *see* Baker, S.I. 4—33727
Tsykalo, N.D. *see* Gozbenko, V.P. 4—51335
Tsymbal, V.N. *see* Shestopalov, V.P. 4—56309
Tsymbal, V.P., Babich, A.A. Features of the technological process of data provision for the users of a republic-level automated scientific-technical data system 4—48238
Tsymbalenko, V.L. *see* Voronin, V.I. 4—49004
Tsypkin, Ya.Z. *see* Polyak, B.T. 4—35393
Tsyrkin, V.N. *see* Klimov, I.Z. 4—55193
Tsyrlin, L.E. *see* Greisukh, A.M. 4—58788
Tsyupko, A.S. *see* Lerer, A.M. 4—59832
Tsyutsyura, D.I. *see* Andrukhiv, M.G. 4—46872
T.Tundak. *see* Tundak. T.
Tu, C.W., Forrest, S.R., Johnston, W.D., Jr. Epitaxial InP/fluoride/InP (001) double heterostructures grown by molecular-beam epitaxy 4—46221
Tu, C.W., Forrest, S.R., Johnston, W.D. Growth of epitaxial semiconductor/dielectric/semiconductor double heterostructures by molecular beam epitaxy: InP/fluoride/InP(001) 4—51920
Tu, C.W., Jones, K.A. The thermodynamic effects of using an inert gas in the hydride VPE growth of InP 4—50780
Tu, D.-W., Kahn, A. LEED and AES characterization of the GaAs (110)-ZnSe interface 4—46846
Tu, J.C. *see* Remer, D.S. 4—35269
Tu, K.N. Current metallization issues in microelectronic devices 4—47071
Tu, K.N. *see* Ahn, K.Y. 4—50813
Tu, K.N. *see* Bisi, O. 4—36331
Tu, S. *see* Mikhael, W.B. 4—41234
Tu Lien-yueh *see* Guo Ji-jie 4—30841
Tu Lu-shan Characteristic of the electrostatic lens of a new type field emission gun 4—46753
Tu Ruifang *see* Wang Dinghua 4—59551
Tu Shigu, Sun Shundi, Fu Enshen, Liao Shiqiang, Wang Zhongzhi, Shi Peisheng CO_2 laser power stabilization by feedback loop 4—31295
Tual, J.-P. 2 D-computation problems in magnetic recording and printing 4—30983
Tuan, H.S., Parekh, J.P., Chang, K.W. Magnetostatic-volume-wave mode conversion at a region of bias-field discontinuity 4—52474
Tuan Nguen An' *see* Nguen An' Tuan
Tubach, J.-P. *see* Crepy, H. 4—53481
Tubbs, J.D. A note on the justification of Landsat data transformations 4—60211
Tubbs, S.P. Electrical engineering education in the USSR 4—50345
Tucciarone, A., de Gasperis, P. Electrical properties of iron garnet films 4—41844
Tucciarone, A. *see* D'Amico, A. 4—39180
Tucek, Z. Interconnection of consumer electric devices 4—44336
Tuchin, V.V. *see* Alekseeva, L.L. 4—42541
Tuchin, V.V. *see* Gavrilov, D.N. 4—52896
Tuchin, V.V. *see* Rabinovich, E.M. 4—42692
Tuchkevich, V.V. *see* Berkovskaya, K.F. 4—55493
Tucholke, U. *see* Arndt, F. 4—41551
Tuck, J. Chip-on-board technology 4—41691
Tuck, J. Cleaning surface-mounted assemblies 4—41692
Tuck, J. Direct imaging 4—46683
Tuck, J.W. *see* Rudnick, D.T. 4—35181
Tucker, A. *see* Sosdian, C.P. 4—32112
Tucker, M. *see* Sutherland, I.A. 4—33855
Tucker, M.R., Yeh, K.C. Pulse distortion after propagating through an ionospheric bubble 4—47614
Tucker, R.F. *see* Naughton, M.D. 4—49690
Tucker, R.S. Large-signal switching transients in index-guided semiconductor lasers 4—59521
Tucker, R.S., Bradley, P.D. Computer-aided error correction of large-signal load-pull measurements 4—39034
Tucker, R.S., Chinlon Lin, Burrus, C.A., Besomi, P., Nelson, R.J. High-frequency small-signal modulation characteristics of short-cavity InGaAsP lasers 4—37422
Tucker, R.S. *see* Eisenstein, G. 4—52967
Tucker, R.S. *see* Olsson, N.A. 4—37366
Tucker, T.C. *see* Dagenhart, W.K. 4—49057
Tuckerman, D.B., Pease, R.F. Microcapillary thermal interface technology for VLSI packaging 4—30717
Tuckwell, H.C. Neuronal response to stochastic stimulation 4—61797
Tudor, M. *see* Voicu, G. 4—49818
Tueller, J. *see* Gehrels, N. 4—33704
Tueta, R. *see* Izrael, A. 4—36435
Tufaner, R.L. *see* Meyer, C. 4—32222
Tuffelli, D. A pitch detection algorithm with hypothesis and test strategy by means of fast surface AMDF 4—59984
Tuft, G. *see* Wilson, J. 4—62121
Tufts, D.W., Giannella, F., Kirsteins, I., Scharf, L.L. Cramer-Rao bounds on the accuracy of autoregressive parameter estimators 4—37965
Tufts, D.W., Kirsteins, I., Kumaresan, R. High resolution detection and estimation 4—53584
Tufts, D.W., Kumaresan, R. Accuracy of frequency estimation and its relation to prediction filter order 4—60145
Tufts, D.W. *see* Scharf, L.L. 4—43385
Tugaenko, Yu.P. *see* Shershnev, S.S. 4—48786
Tugnait, J.K. Spectral estimation for noisy signals observed through a linear system 4—43387
Tugulea, A. A general approximate method for the estimation of microstrip dispersion 4—58494
Tugulev, V.N. *see* Davydov, V.E. 4—45170
Tuikin, O.R. *see* Burov, V.A. 4—38682
Tukh, G.Sh. *see* Lesman, M.Ya. 4—53344
Tukunov, A.H. *see* Kucherov, V.P. 4—32461
Tulaikova, T.V. *see* Sychugov, V.A. 4—59243
Tulashvili, E.V. *see* Alferov, Zh.I. 4—47471
Tul'chin, I.K. Determining the energy losses in the branched mains of residential buildings 4—45100
Tuley, M.T. *see* Ewell, G.W. 4—54883
Tull, C.G. *see* Fuss, D. 4—32401
Tuller, H.L. Review of electrical properties of metal oxides as applied to temperature and chemical sensing 4—48844
Tulley, C. Teletex: the implications for international communications 4—60428
Tullius, N. Powering computer-controlled systems: AC or DC? 4—49569
Tulloss, R.E. Equipment for automated testing of complex circuits 4—33099
Tuma, D.T. *see* Yen, Y.T. 4—30234
Tuma, F. Arbitrary value of a resistor from the E12 series 4—58117
Tumanov, G.K. *see* Chernyshev, V.P. 4—49074
Tumanov, I.M, Sevastyanov, V.V., Rogatski, V.G. Reactive power compensation and balancing of loads on traction network transformers 4—57101
Tumanski, S. *see* Kwiatkowski, W. 4—31049, 4—48827
Tumelty, P.F. *see* Gualtieri, D.M. 4—30971
Tumer, M. *see* Watanabe, K. 4—61211
Tummillo, A. *see* DeLuca, W. 4—40421
Tumms, P.G. *see* McCall, D.L. 4—29837
Tumpa, M. Review of computing formulas for the complex systems reliability determination 4—29294
Tun, S.M. *see* Clarricoats, P.J.B. 4—42970, 4—42971
Tunbridge, P.M. New hybrid constructional techniques for increased equipment packing density 4—36169
Tundak. T. Integral equation method and numerical calculations of input impedance of cylindrical antenna in a lossy anisotropic plasma 4—31746
Tung, P.N. *see* Linh, N.T. 4—58936
Tung, R.T. *see* Mahajan, S. 4—31245
Tung, S.S. A reliability growth model 4—46051
Tung Kang-Nien *see* Kang-Nien Tung
Tung Zhi-sin, Takeda, M. Highly sensitive holography interferometry by spatial carrier-fringe-pattern analysis 4—53910
Tung-sen Cheng *see* Hen-wai Tsao 4—48406
Tungate, G. *see* Kramer, D. 4—33623
Tuniz, C. High-energy mass spectrometry with large tandem accelerators 4—55789
Tunkasiri, T., Tontrakoon, J., Siriratwatanakul, N., Thongtem, S. Investigation of polycrystalline cadmium sulphide photocells 4—42484
Tunnicliffe, J. *see* Irvine, S.J.C. 4—35485, 4—46218
Tuoriniemi, A. Interference from electric railway lines 4—38427
Tupitskaya, N.A. *see* Garbuzov, D.Z. 4—52819
Tuppen, C.G., Davies, G.J. An AES investigation into the phase distribution of ion-implanted oxygen in silicon N-channel devices 4—51988
Tuppen, C.G., Taylor, M.R., Hemment, P.L.F., Arrowsmith, R.P. Effects of implantation temperature on the properties of buried oxide layers in silicon formed by oxygen ion implantation 4—46940
Tuppen, C.G. *see* Davies, G.J. 4—50763
Tur, M. *see* Moslehi, B. 4—60200
Tur, M. *see* Newton, S.A. 4—52619
Turacek, I. How do I talk to my computer? II 4—37895
Turan, G. On the succinct representation of graphs 4—50652
Turan, J. *see* Chmurny, J. 4—53911
Turanli, H.M. Analysis of power-electronic circuits 4—50912
Turanli, H.M., Menzies, R.W., Woodford, D.A. The feasibility of using MVDC transmission to remote loads 4—34162
Turanli, H.M., Menzies, R.W., Woodford, D.A. Feasibility of DC transmission with forced commutation to remote loads 4—56568
Turanli, H.M., Taju, C.M. Digital simulation and analysis of power-electronic circuits 4—29669
Turbes, C.C. *see* Schneider, G.T. 4—51329
Turcan, P. Motorola—the challenging chip 4—51283
Turchan, M.P. Linear predictive coding of speech signals: methodologies/applications 4—31930
Turchanovskiy, A.N. *see* Dekhtyarenko, P.I. 4—61310
Turchetti, C., Masetti, G. A CAD-oriented analytical MOSFET model for high-accuracy applications 4—36574
Turchin, E.Ya. *see* Sivokhin, V.S. 4—34391
Turcu, I. *see* Potlog, D.M. 4—50124
Turcu, R. *see* Dadarlat, D. 4—52440
Turek, K., Dajko, G. Effect of particle fluence on track diameter and response of electrochemically etched SSNTDs 4—55880
Turenko, A.N. *see* Golub, V.I. 4—47983
Turetskii, A.E. *see* Serdyuk, V.V. 4—46821
Turgeman, E., Wulich, D., Kazovsky, L. Two methods of impulsive interferences suppression—comparative study 4—37946
Turgeon, G. *see* Nachman, M. 4—44774
Turino, J., Chapman, R. Trends in LSI/VLSI testing 4—30664
Turinsky, G. Pulse reflectometry for monitoring characteristic impedance 4—44587
Turinsky, G. Rules governing conductor clamps 4—58551
Turk, H. *see* Jursitzka, K. 4—40310
Turk, S. The third generation microprocessor units. II 4—29886
Turkiewicz, I.M. *see* Kramer, D. 4—33623
Turkin, N.G. Tunnel diode analogue 4—36535
Turkin, P.S. *see* Lapin, I.L. 4—45801
Turkiya, N.G., Gotua, T.K. Methods for calculating self and mutual admittance matrices for circuit arms 4—50897
Turko, B. *see* Zizka, G. 4—55981
Turko, B.T. Multichannel interval timer 4—33115
Turko, B.T. *see* Kolbe, W.F. 4—34336
Turkot, F. *see* Rameika, R. 4—33678
Turkot, F. *see* Wagoner, D.E. 4—33676
Turkov, Yu.G. *see* Brazhnikov, A.E. 4—50244
Turlot, J.P. *see* Brand, C. 4—33639
Turnage, H.C. EMC assurance measurements of industrial facilities 4—37649
Turnbull, L. *see* Rameika, R. 4—33678
Turnbull, L. *see* Wagoner, D.E. 4—33676
Turnbull, M. *see* McFee, J.E. 4—48726
Turnbull, N. Small electric motors gain orders worldwide 4—34697
Turnbull, R.J., Walther, S.R., Guttman, J.L. Generation of vibrationally excited hydrogen for use in a negative ion source 4—44676
Turner, C. With five you get efficiency 4—60685
Turner, E.J. *see* Grunwald, J.J. 4—58953
Turner, G.W., Connors, M.K. Use of plasma-deposited Si_3N_4 as an oxidation mask in the fabrication of GaAs shallow-homojunction solar cells 4—50056
Turner, G.W. *see* Choi, H.K. 4—47131
Turner, G.W. *see* Tsaur, B.-Y. 4—52298
Turner, J.F. *see* Puterbaugh, L.J. 4—61567
Turner, J.R. *see* Lebrun, W. 4—41163
Turner, L.E., Denyer, P.B., Renshaw, D. A bit serial LDI recursive digital filter 4—58467

Turner, L.E. *see* Liu, E.S.K. 4—46577
Turner, L.F. *see* Frangoulis, E.D. 4—53467
Turner, L.R. Electromagnetic analysis for fusion reactors: status and needs 4—59776
Turner, L.R., Lari, R.J. Developments in eddy current computation with EDDYNET 4—31601
Turner, L.R. *see* Praeg, W.F. 4—59777
Turner, M. *see* Greaves, C. 4—40381
Turner, M. *see* Li, J.T. 4—58292
Turner, M.J.L. *see* Thomas, H.D. 4—39423
Turner, N. Comparison of beam scanning systems 4—36449
Turner, N. *see* Dinaro, S. 4—36448
Turner, N.P. *see* Downs, M.J. 4—51970
Turner, R.C. *see* Kerswell, B.R. 4—54582
Turner, R.H. Space power system utilizing Fresnel lenses for solar power and also thermal energy storage 4—39661
Turner, R.H. Temperature-time distribution and thermal stresses on the RTG fins and shell during water cooling 4—40506
Turner, R.M. *see* Hung, E.K.L. 4—37984, 4—38002
Turner, T. Site electrics—simple but potentially unsafe 4—45038
Turner, T., Marion, A. The identification of intermodulation products [by microwave spectral analyser] 4—55657
Turner, T.M. *see* Gholdston, E.W. 4—52390
Turner, T.W., Henshaw, D.L., Fews, A.P. A CR-39 neutron spectrometer of sensitivity 1 mrem in the energy range 100 keV-20 MeV with personal dosimetry applications 4—55927
Turner, T.W. *see* Portwood, T. 4—55888
Turner, W.C. *see* Sullivan, A. 4—53307
Turner, W.D. *see* Flores, L.N. 4—42411
Turner, W.D. *see* Sprague, R.A. 4—31527
Turns, S.R. *see* Karidis, J.P. 4—31563
Turos, A., Frey, H., Meyer, O., Muller, W., Pirrung, J.M. Ion beam analysis of amorphous silicon films produced by magnetron sputtering 4—51798
Turovskaya, V.I. *see* Aleinikova, V.I. 4—40587
Turovskii, B.M. *see* Bagraev, N.T. 4—58011
Turovskii, L.A., Krasnov, V.F. Photocathode surface-resistance determination for biplanar electron-optical devices 4—52795
Turowska, K. *see* Kulaszewicz, S. 4—30351
Turowski, M., Kelly, M.K., Margaritondo, G., Tomlinson, R.D. Direct confirmation of the conduction-band lineup in the $CuInSe_2$-CdS heterojunction solar cell 4—40430
Turpin, F.M. A remotely controlled HF diversity receiver system 4—38443
Turpin, M., Valentin, M., Dubos, J., Auge, J. Measurement of birefringence in linear polarisation preserving single-mode optical fibres 4—47281
Turpin, M. *see* Auge, J. 4—47280
Turpitko, I.V. *see* Pilipenko, G.S. 4—61555
Turrell, D. *see* Isberg, R.A. 4—60667
Turtle, J. Making the most of geothermal power 4—34462
Turtudau, F. *see* Silard, A.P. 4—36568
Turu, E.J. *see* Bistrom, J.R. 4—34072
Turunen, T., Silen, J. Modulation pattern for the EISCAT incoherent scatter radar 4—56297
Turvey, S.P. *see* Stewart, T.I. 4—58588
Turyanskii, V.P. Minimum displacement applied to measuring K_{stU} for a four-terminal network with losses 4—33450
Turzanski, J. *see* Tomawski, L. 4—29675
Tushentsova, I.A., Tsedilina, Ye.Ye. Multifrequency model-based analysis of short-wave propagation conditions between Nikolayev and Havana 4—53210
Tustin, W. Random vibration is gentle yet effective 4—29206
Tuszynski, A. The didactic die 4—30743
Tuszynski, A., Warner, R.M., Jr. Thoughts on correlating yield and reliability 4—29237
Tuszynski, A. *see* Vajdic, B. 4—59027
Tutik, V.L. *see* Rogoza, V.V. 4—45179
Tutt, N. Grounded by the taxman [cable TV] 4—55019
Tutter, M. *see* Hartfuss, H.J. 4—36074, 4—59166, 4—59167
Tutter, M. *see* How, J.A. 4—58491
Tuttle, J.D. *see* Rinehart, R.E. 4—49461
Tuttle, M.E., Barthelemy, B.M., Brinson, H.F. Strain measurement within a single-lap joint using embedded strain gages 4—61547
Tuttle Hart, T., Lichtenstein, T.L., Carniglia, C.K., Rainer, F. Effects of undercoats and overcoats on damage thresholds of 248 nm coatings 4—37192
Tuuk, A.van der *see* van der Tuuk, A.
Tuyn, J.W.N. *see* Khan, H.A. 4—55948
Tuyn, J.W.N. *see* Lakshmanan, A.R. 4—49329
Tuzi, Y. *see* Arakawa, I. 4—30237, 4—44643
Tuzov, G.I., Sulimanov, A.A. Interference immunity when the signal, interference and Gaussian noise are quantized in level 4—37936
Tuzov, G.I., Uryadnikov, Yu.F., Il'in, A.Ye. The optimization of Walsh signals for fast receiver synchronization 4—43354
Tuzovskii, A.M. *see* Vasilenko, N.D. 4—58026
Tvaruzkova, J., Skursky, M. On the problems of service life of the industrial plugs and sockets [in accordance with CEE recommendations] 4—41672
Tverdokhleb, P.E. *see* Pen, E.F. 4—31204
Tveten, A.B. *see* Frigo, N.J. 4—31113
Tveten, A.B. *see* Koo, K.P. 4—55648
Tvirova, E.A. *see* Gutkin, A.A. 4—31258
Twaddell, W. Telecommunications ICs [ISDN] 4—32599
Twaddell, W. GaAs no longer next year's technology as digital circuits come to market 4—41266
Twaddell, W. High-speed CMOS RAMs score across memory spectrum [and IC/semiconductor product guide] 4—58311
Twaddell, W. Military and space-program demands spur development of rad-hardened ICs 4—58964
Twaddle, W. Demand for better resolution and animation spurs graphics-controller-IC improvements 4—51275
Tweddel, A. *see* Macfarlane, P.W. 4—49278
Tweedy, E.P. *see* Stoddard, J.C. 4—44109
Twidell, J., Grainger, B. Small wind energy conversion systems 4—45380
Twigg, G. Siel MIDI Expander 4—48633
Twigg, G. *see* White, P. 4—61122
Twin, P.J., Nolan, P.J., Aryaeinejad, R., Love, D.J.G., Nelson, A.H., Kirwan, A. First experiments with TESSA at Daresbury 4—49100
Twogood, R.E., Sherwood, R.J. An overview of digital image processing 4—38111
Twomey, T.A.M. *see* Burke, L.D. 4—40382
Tyagi, T.R. *see* Somayajulu, Y.V. 4—47613
Tyapkov, V.F., Andropova, G.A. Determining the concentration of iron in the condensate of a nuclear power station with a channel type uranium-graphite boiling reactor by an accumulation method 4—40003
Tyapkov, V.F., Margulova, T.Kh., Mamet, V.A., Yurmanov, V.A. The feasibility of replacing 08Cr18Ni10Ti steel in the low-pressure heater system of single-loop nuclear power station 4—49672
Tyapukhin, P.V. *see* Zaitsev, V.V. 4—41222
Tyce, R.C. *see* Dixon, T.H. 4—44903
Tychina, I. *see* Januskevicius, Z. 4—30388
Tygard, C.M. *see* Robinson, R.L. 4—40835
Tygielski, R. Application of DTS technology, user's view 4—32232
Tyjberg, M. *see* Rumsby, D. 4—30350
Tylavsky, D.J. A simple approach to the solution of the AC-DC power flow problem 4—34147
Tylavsky, D.J. The application of Newton's method for the calculation of fault currents in AC-DC power systems 4—56562
Tyle, N., Talukdar, S.N. A utility planning model for the study of air pollution reduction 4—34001
Tylee, J.L. Simulating a nuclear power plant on a 16K microcomputer 4—49673
Tylee, J.L., Hon, A.L. New concepts in nuclear power plant instrumentation and control 4—49696
Tylee, J.L., Purviance, J.E. Potential utilities of optimal estimation and control in nuclear power plants 4—56769
Tyler, J.U. *see* Meulenberg, A. 4—45656
Tyler, M., Goldstein, M. Developments in satellite communications: an overview 4—38580
Tyler, P. Satellite communications 4—54694
Tyler, P. Multistar configurations for wideband local networks [cable TV] 4—55014
Tymes, E. *see* Halawa, T. 4—56801
Tymper, S.I. *see* Kornilov, S.T. 4—31332
Tyncherova, E.L. *see* Nasyrov, T.Kh. 4—58106
Tyner, J.T. Mobile program overcomes HV line objections 4—49607
Tyran, J.-L. MAXI-LILLIPUT: a simplified model of a French pressurized water reactor power plant 4—45252
Tyraskis, P.A., Hensen, O.G., Smylie, D.E., Linton, J.A. An optimum data editing technique for the reduction of noise in multi-channel geophysical data 4—61888
Tyrlick, V., Gillis, A.K. DAMA 3100—a distributed tandem switch 4—32590
Tyrsa, V.E., Zenya, A.D. Analysis of errors in frequency comparison by the pulse coincidence method 4—33410
Tyruikov, G.S. *see* Romanovskii, E.A. 4—49075
Tyskewicz, J.P. The grounded half-quad loop, an all-band antenna 4—31758
Tyson, E.L. *see* Adamski, J.L. 4—47485
Tyson, G.S., Jr. *see* Davis, J.W. 4—56106
Tyukavin, A.A. Selection of reference voltage in four-arm bridges for measuring parameters of three-element two-terminal networks 4—48978
Tyukhanov, Yu.M. *see* Kungs, Ya.A. 4—62792
Tyukhanov, Yu.M. *see* Venikov, V.A. 4—39838
Tyukhov, B.P. *see* Pupkov, K.A. 4—53616
Tyulenev, G.F. *see* Kovtun, V.N. 4—33170
Tyul'kin, V.M. *see* Nagin, A.P. 4—52803
Tyupa, V.I. *see* Bondarenko, V.I. 4—35534
Tyurin, A.V. *see* Makienko, G.P. 4—39882
Tyuryukanov, P.M. *see* Trifonov, V.A. 4—29747
Tyushkevich, L.M. *see* Yanukovich, S.F. 4—30193
Tyutekin, V.V. *see* Vovk, A.E. 4—55775
Tyut'kin, V.A. Efficiency of power generation by a linear pulse generator 4—41252
Tyut'kin, V.A. *see* Bondaletov, V.N. 4—31604
Tyutyunnik, V.G. *see* Glazov, A.I. 4—55487
Tyutyunnik, V.G. *see* Stysin, V.E. 4—52800
Tze-chiang chen, Tso-ping Ma, Barker, R.C., Hasan, W. Properties and applications of infrared transparent and electrically conductive In_2O_3 thin film 4—59295
Tzeng, K.K. *see* Feng, G.L. 4—43170, 4—43181, 4—43182
Tzimas, J. *see* Dimitriou, P. 4—49162
Tzivelekas, I. *see* Nestler, J. 4—49954
Tzou, J.J.-T. *see* Sah, C.-T. 4—30436
Tzscharschuch, D. The routing problem with vehicles of differing load capacities 4—46158
Tzscheutschler, R. The technology of energetic electrotechniques 4—40852
Tzu-Mu Lin, Mead, C.A. Signal delay in general RC networks with application to timing simulation of digital integrated circuits 4—41274
Uber, A.E., III, Hoburg, J.F., Penney, G.W. Experimental investigation of electrostatic effects in the adhesion of dry dusts 4—31612
Uber, T. What is a good Btx programme, and which mistakes should one leave to others? 4—54317
Uberall, H. *see* Howell, W.E. 4—54850
Uberall, H. *see* Yoo, K.B. 4—30903
Uberbacher, E.C. *see* Burnham, D.W. 4—31130
Ubertini, P. *see* Charalambous, P.M. 4—39424
Ubogii, V.P. *see* Gordienko, V.I. 4—53156
Uceda, J. *see* Aldana, F. 4—34517, 4—57367
Uchida, H. *see* Okumura, F. 4—44449
Uchida, H. *see* Sakamoto, M. 4—61277
Uchida, H. *see* Yamashita, Y. 4—39531
Uchida, K., Aoki, K. Radiation from and surface wave excitation by an open-ended dielectric-loaded parallel-plate waveguide 4—47656
Uchida, K. *see* Nabetani, S. 4—58322
Uchida, K. *see* Yoshidomi, K. 4—42831
Uchida, M. *see* Tomizawa, M. 4—36589
Uchida, N. *see* Horiguchi, T. 4—42435
Uchida, N. *see* Ohashi, M. 4—47242
Uchida, S. Anomalous magneto-transport properties of p-type inversion layers in germanium bicrystals 4—36258
Uchida, S. *see* Remenyi, G. 4—51836
Uchida, T. Multicolored liquid crystal displays 4—55598
Uchida, Y., Kishida, S., Matsumura, M. Parallel-to-serial transformation by using large-cell-size amorphous-silicon charge-coupled devices 4—44434
Uchida, Y., Matsumura, M. Measurement of electron mobility in hydrogenated amorphous-silicon using 4-terminal transistor structures 4—36286
Uchida, Y., Nara, Y., Matsumura, M. Proposed vertical-type amorphous-silicon field-effect transistors 4—36598
Uchida, Y. *see* Fukuzawa, T. 4—37387, 4—52943
Uchida, Y. *see* Naruke, Y. 4—36583
Uchiike, H., Tsuchiya, H., Awaji, N., Shinoda, T., Fukushima, Y. Characteristics of discharge pattern in surface-discharge AC plasma display panels 4—48973
Uchikawa, F., Miyao, K., Horii, H., Shimamoto, K. Humidity-sensing properties of glassy film converting silicone composite material 4—33252
Uchikawa, T. *see* Ota, H. 4—62299
Uchimura, K., Aida, T. Occurrence region of the showering arc in breaking Ag contacts and radio noise radiated by the arc 4—46661
Uchimura, K., Miki, Y., Nozoe, T., Yamashita, A., Yamada, S., Okawa, M. Signal processing ICs for teletext receiver 4—54989
Uchino, K., Miyazawa, Y., Nomura, S. Photovoltaic effect in ferroelectric ceramics and its applications 4—52767
Uchiyama, H., Tanaka, T. Experimental investigation of a fluidic flowmeter used for a calorimeter 4—49043
Uchiyama, K. *see* Imai, S. 4—50238
Uchiyama, S. *see* Chailertvanitkul, A. 4—50798
Uchiyama, Y., Awamura, D., Nakashima, K. Wafer pattern defect detection: an automatic inspection technique 4—36684
Uck Seo Jung *see* Jung Uck Seo
Uda, H. *see* Matsumoto, H. 4—40458
Uda, S. *see* Nomura, T. 4—34610
Uda, S. *see* Salon, S.J. 4—31590
Uda, S. *see* Ueda, A. 4—34581
Udalov, S. Digital Hilbert transformer for single-sideband generation 4—55520
Udd, E. Fiber-optic acoustic sensor based on the Sagnac interferometer 4—61327
Ude, O.U. *see* Kehinde, L.O. 4—44702
Udikas, M. Solution for difficult connections: PCBs pinned in a stack 4—36146

Udikas, M. The experiment in Lonkoping (Sweden): three dimensional X-ray pictures 4—39523

Udikas, M. For the sake of sight 4—57528

Udikas, M.E Telephone charges to pay for electronics investment 4—43641

Udo, R. *see* Deprettere, E.F. 4—60137

Udovichenko, S.Yu. *see* Karbushev, N.I. 4—59719

Udpa, S. *see* Horne, D. 4—46276

Udrea, E. *see* Dragulinescu, D. 4—42754

Udrea, M.V. *see* Dragulinescu, D. 4—42754

Uebayashi, S. *see* Amemiya, Y. 4—49325

Ueberhuber, C.W. *see* Frank, R. 4—35443

Ueberreiter, B. *see* Maenner, R. 4—53856

Ueda, A., Uda, S., Hirao, T., Okamoto, K., Nakamura, S. A superconducting generator 4—34581

Ueda, A. *see* Inaba, H. 4—57072

Ueda, D., Takagi, H., Kano, G. A new vertical double diffused MOSFET—the self-aligned terraced-gate MOSFET 4—36587

Ueda, H., Ai, T., Muramatsu, Y., Nomura, Y. An estimation method of noise reduction by nonlinear digital filtering 4—47873

Ueda, H., Miyawaki, S., Iida, Y., Morita, M. Glow discharge in DC magnetic field; effect of the applied microwave on the detection sensitivity to optical-wave signal 4—46751

Ueda, H., Tokizawa, I., Aoyama, T. Evaluation of an experimental packetized speech and data transmission system 4—32182

Ueda, H. *see* Takeuchi, Y. 4—61671

Ueda, J. *see* Yoshida, T. 4—47791

Ueda, K., Kitazawa, H., Harada, I. Interactive VLSI chip floor design using color graphics 4—52264

Ueda, K. *see* Ara, K. 4—55404

Ueda, K. *see* Ito, K. 4—36109

Ueda, K. *see* Katano, F. 4—35813

Ueda, K. *see* Okamura, Y. 4—52717

Ueda, M. *see* Hamasaki, T. 4—30355, 4—41078, 4—41104

Ueda, M. *see* Han, K. 4—40550

Ueda, M. *see* Kobayashi, M. 4—55822

Ueda, M. *see* Nakayama, N. 4—47342

Ueda, N. *see* Hashimoto, T. 4—61723

Ueda, O., Isozumi, S., Komiya, S. Composition-modulated structures in InGaAsP and InGaP liquid phase epitaxial layers grown on (001) GaAs substrates 4—35476

Ueda, O., Komiya, S., Isozumi, S. TEM investigation of dislocation loops in undoped InGaAsP and InGaP layers grown by liquid phase epitaxy 4—50756

Ueda, O., Komiya, S., Yamazaki, S., Kishi, Y., Umebu, I., Kotani, T. Transmission electron microscopic observation of misfit dislocations in InP/InGaAsP double-heterostructures 4—58022

Ueda, O., Wakao, K., Yamaguchi, A., Komiya, S., Isozumi, S., Nishi, H., Umebu, I. Study of defects in a rapidly degraded InGaAsP/InGaP double-heterostructure laser grown by liquid phase epitaxy 4—37359

Ueda, R. Development of VHTR and its process heat application in Japan 4—40045

Ueda, R., Sonoda, T., Irisa, T., Takata, S. Effects of structural error on dynamic stability in both slip frequency control and field orientation control of induction motor drive 4—50137

Ueda, R. *see* Irisa, T. 4—57042, 4—57091

Ueda, R. *see* Sonoda, T. 4—49974

Ueda, S. Fiber optics in Japan 4—32817

Ueda, S. Teletext 4—43705

Ueda, T., Hasegawa, J., Fujiwara, H. A method for solving the optimal stochastic load flow problem with line security 4—39790

Ueda, T., Kanada, Y. Videotex communication processing equipment for digital network 4—54188

Ueda, T. *see* Ito, M. 4—34223

Ueda, T. *see* Mochizuki, T. 4—54187

Uedaira, S. *see* Ochiai, Y. 4—42223

Ueha, S. Optical fiber interferometry 4—47267

Ueha, S., Sakuma, S., Shinada, T., Mori, E. Vibration mode analysis of circular ring transducers 4—56352

Ueha, S., Shinada, T., Mori, E. Laser Doppler vibration amplitude measurement with an optical fiber probe 4—61534

Uehara, K., Taguchi, E., Watahiki, T., Miyata, T. A data converter for analog/fuzzy-logic interface 4—46527

Uehara, K. *see* Sasaki, N. 4—36813

Uehara, M. *see* Kawahara, K. 4—52450

Uehara, M. *see* Okano, K. 4—54203

Uehara, M. *see* Yashiro, K. 4—52471

Uehara, T., Tanigaki, K., Misono, I., Nakagawa, M., Harada, S. Determination of basic parameters of a digital signal transmitted through television system 4—48550

Ueki, A. *see* Kaede, K. 4—42344

Uelhoff, W. Automatic Czochralski growth, growth parameter measurements and process control 4—29457

Uematsu, H., Abe, N., Ono, I., Iida, M. Installing a submarine telephone cable in South East Asia. I 4—38429

Uematsu, H. *see* Miyamichi, K. 4—50000

Uematsu, S. *see* Denda, M. 4—39080

Uematsu, Y., Kinoshita, J., Hirayama, Y., Okuda, H. Reproducible liquid phase epitaxial growth on surface corrugation for 1.3 μm GaInAsP/InP distributed feedback lasers 4—53014

Uematsu, Y. *see* Hirayama, Y. 4—42630

Uematsu, Y. *see* Nakamura, M. 4—54828

Uemori, A. *see* Kimura, M. 4—29904

Uemura, C. *see* Ando, K. 4—46814

Uemura, C. *see* Tohno, S. 4—30508

Uemura, C. *see* Yamaguchi, M. 4—34875, 4—34884, 4—41838

Uenishi, A. *see* Igura, K. 4—62755

Ueno, A. *see* Wakuta, Y. 4—61624

Ueno, F., Inoue, T., Iida, H. Finite element analysis of the on-resistance effects of switches on the steady-state performance of low-power switched-capacitor power supplies 4—58157

Ueno, F., Inoue, T., Iida, H. Finite element analysis of the on-resistance effects of switches on the transient performance of low-power switched-capacitor power supplies 4—58158

Ueno, F., Inoue, T., Oota, I., Tsuruta, F. Analysis of fundamental properties of ideal switched-capacitor power supplies 4—46349

Ueno, F. *see* Oota, I. 4—41188

Ueno, F. *see* Shirai, Y. 4—58268

Ueno, F. *see* Tezuka, Y. 4—50980

Ueno, F. *see* Yamakawa, T. 4—41224

Ueno, J. *see* Sakata, S. 4—32092

Ueno, K., Ando, M., Kumazawa, H. Multi-mission satellite antenna design and characteristics 4—37745

Ueno, K. *see* Fukushima, T. 4—30589, 4—41349

Ueno, M., Kawabata, K., Morooka, T. Scanning limitation in adaptive superresolution array 4—37764

Ueno, N. *see* Hino, Y. 4—54603

Ueno, T. *see* Domae, Y. 4—34188

Uenosono, C. *see* Kouno, T. 4—34211

Uenoyama, T. *see* Nagano, K. 4—46414

Uenoyama, T. *see* Takahashi, T. 4—53472

Ueoka, Y., Minagawa, C., Oka, M., Ishimoto, A. A defect-tolerant design for full-wafer memory LSI 4—51209

Uesaka, H. *see* Hanazawa, T. 4—54636

Uesaka, Y. A new Fourier descriptor applicable to open curves 4—41034

Uesaka, Y. *see* Kugiya, F. 4—31009

Uesugi, N. *see* Ishida, Y. 4—52565

Uetake, I., Ito, H. Magnetic leakage flux studied as a function of relative orientation between longitudinal direction of defect and magnetic field direction 4—41135

Uetake, K. *see* Katano, F. 4—35813

Ueyanagi, K. *see* Katayama, Y. 4—30623

Uffelman, D.R. Real-time update of two well-known models of the maximum usable frequency 4—32651

Ugai, Y. *see* Yoda, K. 4—32746

Ugai, Ya.A., Popov, A.E., Goncharov, E.G., Lukin, A.N., Samoilov, A.M. Electrophysical properties and homogeneity region of germanium arsenide 4—30375

Ugarova, N.I. *see* Zabil'skii, V.V. 4—50857

Ugge, A. Total silicon subscriber to subscriber 4—54074

Uglov, A.A., Kornilov, A.V. Variation of the intensity of scattered radiation in laser treatment of semiconductors 4—36474

Ugniewski, Z. *see* Pobudzin, M. 4—32514

Ugozhaev, V.D. *see* Komarov, K.P. 4—59488

Uher, R.A., Sathi, N. Energy conservation using vehicle performance modification in electric rail transit 4—57473

Uhing, H. Magnetic-powder couplings and brakes 4—45698

Uhlemann, K. To the reliability computation of reserved systems with manual switching 4—35336

Uhlig, D. Protection against transmission errors in integrated sound transmission 4—48367

Uhlig, R.P. International computer message services 4—32357

Uhlir, A., Jr. *see* Adamian, V. 4—55662

Uhlir, K., Kolliner, R. Testing in electronics—an interconnecting net 4—33134

Uhlmann, E. Converter control of high-voltage direct-current transmissions with voltage asymmetry of the alternating current network. I. Connection between converter control principles and the asymmetry of the alternating current network 4—56563

Uhlmann, E. Converter control of high-voltage direct-current transmission with voltage asymmetry of the alternating current network. II. Influence of the control methods on the operation properties of high-voltage-direct current transmissions 4—56564

Uhlmann, M., Reibl, R. Prediction of errors of mobile direction finding antennas by means of rapid model measurements 4—53303

Uhm, H.S., Choe, J.Y., Kim, C.M. High space harmonic perturbations in travelling wave tubes 4—58698

Uhrig, H., Flatz, J. Essentials of flameproof insulating liquids for transformers and testing their inherent properties 4—40294

Uhrig, T.A. *see* Hague, C.A. 4—41662

Uitert, L.G.Van *see* Van Uitert, L.G.

Uittenbogaard, T.H. *see* Moors, P. 4—36039

Ujhazy, L. Actual problems of acoustics at the Hungarian Broadcasting Company 4—38779

Uji, T., Isoda, Y., Inomoto, Y., Suzuki, A., Hayashi, J., Nomura, H. Highly reliable Zn-doped InGaAsP 1.3-μm surface-emitting LEDs for high-speed optical communication systems 4—52821

Uji, T. *see* Suzuki, A. 4—31246

Ujihara, K. Phase noise in a laser with output coupling 4—52854

Ujihashi, Y. *see* Shikama, T. 4—32749

Ujiie, N. *see* Ishihara, N. 4—55819

Ukachi, T. *see* Anzai, H. 4—29435

Ukawa, S. *see* Suzuki, T. 4—55434

Ukhlinov, G.A. *see* Kaplun, I.M. 4—33314

Ukigaya, F. *see* Iwabe, K. 4—60975

Ukikusa, H., Nakanishi, T., Nakada, T., Itoh, M., Watanabe, K. Design, construction, and operation experience of He-He intermediate heat exchanger 4—50245

Ukita, H., Kaneko, R. Optical disc memory 4—32980

Ula, N., Nouh, A. Optimum partitioning of 0-1 integer sets via sequential aggregations 4—29383

Ulanovskii, M.V. *see* Kotyuk, A.F. 4—53039

Ulbrich, C.W., Atlas, D. Assessment of the contribution of differential polarization to improved rainfall measurements 4—49456

Ulbrich, C.W. *see* Atlas, D. 4—49453

Ulbrich, W. Domestic editorial arrangements of the German Second Programme Television service (ZDF) for the Winter Olympic Games 4—60962

Ulbrich, W., Noll, T., Zehner, B. MOS-VLSI pipelined digital filters for video applications 4—51469

Ulbrich, W. *see* Rainer, A. 4—60072

Ulbricht, H. Input keys for electronic devices of high reliability—comparative investigation on the ergonomics 4—39030

Ulc, M. *see* Weissova, S. 4—45554

Ulitenko, V.P., Bugai, V.S. Algorithm for checking alternating-current digital voltmeters in automatic process control systems 4—55545

Ulivi, G. *see* Bellini, A. 4—49982

Ulivi, G. *see* Figalli, G. 4—57402

Uljarevic, Z. *see* Sladojevic, M. 4—32921

Ullrich, U. *see* Reimann, R. 4—38718

Ulm, W. *see* Wolf, H. 4—45296

Ulmet, J.P. *see* Marquez, J. 4—45499

Ulmi, R., Guekos, G., Bogli, U., Blatter, M., Wicki, F. New regulated electronic converter circuit for utility interactive photovoltaic applications 4—34516

Ulrich, D. *see* Gramberg, E. 4—39223

Ulrich, D. *see* Horn, W. 4—56149

Ulrich, L. Problems at the application of CCD-line cameras for the contactless length measurement 4—55675

Ulrich, R. *see* Fredricks, R.J. 4—31116

Ulrich, W., Bohm, R. Digital termination systems 4—54008

Ulrici, W. Evaluation of chromium concentration in semi-insulating GaAs:Cr from optical absorption 4—58729

Ulseth, J.A. *see* Gold, R. 4—39459

Ulso, N. *see* Dahlin, H. 4—44771

Ul'yanov, A.S. *see* Vendik, O.G. 4—55433

Ul'yanov, K.N. *see* Korobova, N.I. 4—30286

Uman, M.A. *see* Darveniza, M. 4—45158

Umanskii, E.S., Shidlovskii, N.S. Experimental study of residual stresses in reels of magnetic tape 4—50856

Umanskii, V.E. *see* Bessolov, V.N. 4—42462

Umansky, V.E. *see* Baranov, A.N. 4—46227

Umar-Syed, M., Lilley, P. The growth and photoluminescence of ZnSe on GaAs by VPE in the temperature range 300-500°C 4—29490

Umarji, A.M. *see* Subramanian, M.A. 4—46833

Umashankar, K.R. *see* Taflove, A. 4—37658

Umbarger, C.J., Wolf, M.A., Trujillo, F. Violinist: sophisticated PU field monitor 4—33899

Umbarger, C.J. *see* Waechter, D.A. 4—33898

Umebayashi, S. *see* Matsuura, S. 4—39448

Umebu, I. *see* Komiya, S. 4—31224

Umebu, I. *see* Takanohashi, T. 4—42480

Umebu, I. *see* Ueda, O. 4—37359, 4—58022

Umeda, T. *see* Ozeki, K. 4—43363

Umegaki, S., Kurita, A., Tanaka, S. Unstable phase-conjugate resonator 4—42665

Umegaki, S. *see* Tanaka, S. 4—47241

Umemoto, T. *see* Nagao, A. 4—43853

Umemura, K. *see* Ishitani, T. 4—49062

Umemura, T. *see* Couderc, D. 4—58570

Umeno, M. *see* Sakai, S. 4—41057

Umeno, M. *see* Takahashi, Y. 4—50806

Umeno, M. *see* Yasutake, K. 4—41821

Umetani, Y., Inou, N. Biomechanical study of peristalsis—strain gage transducer for measuring animal intestinal movement in vivo 4—39521

Umezawa, T. *see* Sasaki, K. 4—46639

Umezu, J. *see* Urabe, S. 4—33418

Umezu, T., Nomura, Y., Hoshina, H., Shiomi, H. A method to measure horizontal position of tunnelling machine 4—61542

Umezu, T. *see* Sugiyama, H. 4—55217

Umida, H. *see* Sato, N. 4—57044

Umland, E.A. *see* Phillips, G.C. 4—39425
Umyskov, A.F. *see* Zharikov, E.V. 4—31364
Umzar, Yu.A. *see* Lerer, A.M. 4—47652
Un, C.K. *see* Kim, H.D. 4—31894
Un, C.K. *see* Kim, N.-M. 4—47732
Un, C.K. *see* Lee, J.C. 4—58468
Un, C.K. *see* Oh, K.A. 4—59985
Un Chong Kwan *see* Chong Kwan Un
Unagami, S. *see* Gambe, H. 4—32002
Unagami, S. *see* Hayashi, T. 4—31709
Unagami, S. *see* Mochida, Y. 4—32534
Unagami, T., Imai, K. An isolation technique using oxidized porous silicon 4—47105
Unagami, T. *see* Seki, S. 4—47041
Unbehauen, R. *see* Hohneker, W. 4—29603, 4—35594
Unbehauen, R. *see* Prasad, K.P. 4—35969
Undeland, T.M., Mohan, N. Overmodulation and loss considerations in high frequency modulated transistorized induction motor drives 4—57420
Underhill, J.A. *see* Geipel, H.J., Jr. 4—41965
Underwood, J.M., Jr., Bockstahler, R.W., Sheldon, D.H. Integration facility for avionic systems testing 'IFAST' 4—49402
Underwood, W.E. *see* Wells, A.H. 4—62332
Undzenas, A. Effect of low-molecular compounds on the photosensitivity of sensitized poly-N-epoxypropylcarbazole 4—59317
Undzenas, A.I. *see* Blyumbertas, R.I. 4—47333
Undzenas, A.J. Properties of poly-N-epoxypropylcarbazole sensitized by dyes and pyrylium salts 4—59320
Ungar, S., Hadni, A. A far infrared piezoelectric detector 4—61393
Ungemach, G. *see* Nagaswami, V. 4—36672
Unger, B. *see* Gonauser, E. 4—51131
Unger, H. *see* Ploger, G. 4—40021, 4—40022
Unger, L. *see* Grabowski, R. 4—49016
Ungerboeck, G., Hagenauer, J., Edbauer, F. Experimental 64 kbit/s satellite modem using coded 8-PSK modulation 4—43857
Ungerboeck, G., Maiwald, D., Kaeser, H.P., Chevillat, P.R. The SP16 signal processor 4—60066
Ungrad, H. Increasing the reliability of networks by modern protection equipment 4—34228
Ungrad, H. *see* Kopainsky, J. 4—45497
Ungrad, H. *see* Stepinski, B. 4—44947
Ungureanu, B. *see* Albert, H. 4—49508
Unishkov, V.A. *see* Epifanov, M.S. 4—45660
Unlu, F. Application of CCP-W-DPC to a radar detection problem 4—32842
Unni, N.V.Madhavan *see* Madhavan Unni, N.V.
Unno, H. *see* Imai, K. 4—36837, 4—50795
Uno, K. *see* Ijima, K. 4—45132
Uno, S. *see* Yokomizo, Y. 4—48837
Uno, T., Adachi, S. A design of microwave wireless power transmission by the aperture illumination of maximum transmission efficiency 4—45365
Uno, T., Adachi, S. Optimization of aperture illumination for radio wave power transmission 4—53211
Uno, T., Shimoda, Y. A new digital TCXO circuit using a capacitor-switch array 4—30910
Uno, T. *see* Ishikawa, S. 4—50242
Uno, T. *see* Ohnaka, K. 4—33317
Unoki, H. *see* Oka, K. 4—29437
Unrau, U. *see* Nobuyoshi, T. 4—42400
Unruh, W.P., Murray, R.A. Light scattering from the substructure of bismuth germanate 4—39444
Unseld, H. *see* Dittmer, H.J. 4—34409
Unser, M., Ade, F. Feature extraction and decision procedure for automated inspection of textured materials 4—38038
Unsworth, F. Earth fault location 4—49646
Unternahrer, J. *see* Eggleston, J.M. 4—37344
Unterweger, H. Total (electronic) protection of electric motors 4—40236
Unwin, R.T. *see* Sibley, M.J.N. 4—54764
Uotani, R.K. *see* Yamazaki, K. 4—51746
Uoya, S., Wakamiya, W., Abe, H., Nakata, H. Registration analysis of 1/10 steppers, 1/1 projections and their hybrid 4—36821
Upadhyaya, B.R., Skorska, M. Fault analysis of in-core detectors in a PWR using the time-series models 4—49710
Upatnieks, J. *see* Cindrich, I. 4—60277
Upchurch, B.T. *see* Rogowski, R.S. 4—52877
Upcott, D.N., Heywood, P.W. The application of automatic visual inspection systems 4—53950
Updegraff, S.W. Palladium-nickel vs. gold plating 4—41120
Uplane, M.D., Pawar, S.H. Studies on the properties of $Cd_{1-x}Zn_xS$ films prepared at various CdZn:S ion ratios and their use in electrochemical photovoltaic (ECPV) cells 4—41834
Uppal, G.S. *see* Raina, M.K. 4—31640
Upshaw, J.L., Zowarka, R.C. A coaxial radial opening switch for a distributed-energy-store rail launcher 4—42805
Upton, R. Innovative functions for two-channel FFT analyzers 4—55341
Ur, H. *see* Odess, L.R. 4—35952
Ura, K. *see* Takaoka, A. 4—58680
Urabe, H., Toda, K. Liquid velocity measuring system with two delay line oscillators 4—39362
Urabe, S., Ohta, Y., Saburi, Y. Improvement in a hydrogen maser by a new state selection 4—52826
Urabe, S., Umezu, J., Ishitsu, M., Hayashi, R. New atomic frequency standards 4—33418
Urabe, S. *see* Morikawa, N. 4—31261
Urabe, S. *see* Nakagiri, K. 4—33416
Urabe, S. *see* Saito, S. 4—46375
Urabe, T. *see* Yoshino, K. 4—52345
Uralov, A.M. *see* Orlov, V.V. 4—59746
Uramoto, K. The search for better high-frequency switching [in relays] 4—51590
Urano, K. *see* Suzuki, K. 4—32397
Urasaki, S. *see* Betsudan, S. 4—59895
Urasato, N. *see* Endo, M. 4—41115
Urata, K. *see* Yamazaki, S. 4—62704
Urazuka, M. *see* Imae, M. 4—33501
Urbach, A.R., Hopkins, R.A., Mason, P.V. One year of stars, provided by the IRAS cryogenic system 4—44810
Urban, F. Measuring the characteristics of random processes by using a matched orthogonal digital filter 4—51450
Urban, M. Calculated and measured sensitivity of the Karlsruhe radon diffusion chamber using Makrofol track etch detectors and different ECE techniques 4—56217
Urban, M., Burgkhardt, B., Piesch, E. Temperature and humidity dependent fading of neutron induced recoil and α-particle tracks in Makrofol E 4—55893
Urban, M. *see* Bednar, J. 4—45308
Urban, M. *see* Piesch, E. 4—55923
Urbanczyk, W., Jankowska, E., Kasprzak, H. Holographic simulation of birefringent elements 4—53103
Urbanek, J. *see* Alexander, G.W. 4—50007
Urbanik, W. *see* Mizeraczyk, J. 4—47426
Urbina, F.J. *see* Sanchez Dominguez, J. 4—49238
Ure, J.W. Contact resistance profiling of III-V semiconductors 4—36466
Urech, D. *see* Lakhani, A.A. 4—51965
Urednicek, Z. *see* Szekely, J. 4—40244, 4—46311
Urenda, R.S. *see* Love, J.T. 4—56189
Uretsky, B.F. *see* Sashin, D. 4—44741
Urev, M.V. On the spatial continuation of a magnetic field from the symmetry axis 4—31566
Uri, J.Ben *see* Ben Uri, J.
Urias, J. *see* Ruiz, J.C. 4—41948
Urin, B.M. *see* Basov, N.G. 4—37312
Urish, J.C. *see* Hayashide, Y. 4—33681
Urisu, T., Mizushima, Y. Cavity length detuning properties in synchronous mode locking 4—53024
Urli, N. *see* Persin, M. 4—58770
Urner, J.F. Multichannel SHF DAMA system 4—32767
Urner-Wille, M. *see* Braat, J. 4—47307
Urquhart, G.G. Acoustic tracking methods to study the offshore movements of Atlantic salmon 4—44178
Urquhart, J.S. *see* Saul, P.H. 4—35882
Urquhart, J.S. *see* Sault, P. 4—29945
Urquhart, R.B., Wood, D. Efficient bit-level systolic arrays for inner product computation 4—41007
Urquijo, J.de *see* de Urquijo, J.
Urrows, E. *see* Urrows, H. 4—60456
Urrows, H., Urrows, E. Videotex in British and French Education 4—60456
Urshev, L.K. *see* Angelov, I.M. 4—46620
Ursov, S.N. *see* Abdullaev, D.A. 4—60864
Ursu, I., Schachter, L., Badescu-Singureanu, A.I. New developments in direct nuclear fission energy conversion devices 4—40507
Urtmintsev, I.A. *see* Atamasov, V.D. 4—62713, 4—62714
Uruski, M. Realizability conditions of nonreciprocal broadband matching networks 4—29604
Urusov, I.D. Modelling of oscillatory processes in a turbine set shaft line 4—45409
Urusovskaya, L.N. *see* Fedorova, L.V. 4—31094
Ury, I. *see* Bar-Chaim, N. 4—42405, 4—54745
Ury, I. *see* Lau, K.Y. 4—52960
Ury, M.G. *see* Matthews, J.C. 4—36678
Uryadnikov, Yu.F. *see* Tuzov, G.I. 4—43354
Uryvskii, Yu.I. *see* Lobova, S.M. 4—47092
Usachev, S.S. Optimisation of power station equipment repair scheme using mathematical programming 4—39963
Usagawa, T., Ono, Y., Kawase, S., Katayama, Y., Takahashi, S. Growth of selectively doped heterostructure by organometallic vapour phase epitaxy 4—50797
Usagawa, T. *see* Katayama, Y. 4—30623
Usai, P. *see* Canavesio, F. 4—32716
Usami, A., Nishioka, H., Inoue, Y. Optimum flash lamp annealing conditions for fabrication of low dose ion-implanted Si solar cells 4—50049
Usami, A. *see* Kano, H. 4—46934
Usami, K. *see* Nakamura, M. 4—51885
Usami, S., Iizuka, J., Morohashi, K., Tasaka, Y., Shigehara, T. Performance of an ion gun designed for surface study 4—33615
Usategui, J.M.Angulo *see* Angulo Usategui, J.M.
Usenko, V.I. Attenuation of electrical filter voltage pulsations 4—51393
Ushakov, A.V. Reduced model of sensitivity in tracking problem 4—38675
Ushakov, E.I. Mathematical model of a power system 4—45049
Ushakov, G.A. *see* Romanova, T.M. 4—56818
Ushakov, I.A. *see* Genis, Ya.G. 4—57872
Ushakov, V.L. *see* Artemenko, S.B. 4—37486
Ushakov, V.M., Shcherbinskii, V.G., Vopilkin, A.Kh. Reflection and transformation of linearly polarized shear waves at defects 4—41131
Ushakov, Yu.I. *see* Averbukh, A.M. 4—33188
Usher, E.S. *see* Sothcott, P. 4—55017
Ushida, A., Chua, L.O. Tracing solution curves of nonlinear equations with sharp turning points 4—29612
Ushida, N., Kondo, T., Fujioka, G., Fukushima, H., Takahashi, Y., Tatsumi, S., Yokoyama, C., Homma, Y., Tsuzuki, Y., Bahk, S.Y., Kim, C.O., Park, J.N., Song, J.S., Bailey, D.C., Conetti, S., Fisher, J., Trischuk, J., Fuchi, H., Hoshino, K, Miyanishi, M., Niu, K., Niwa, K., Shibuya, H., Yanagisawa, Y., Errede, S.M., Gutzwiller, M.J., Kuramata, S., Reay, N.W., Reibel, K., Romanowski, T.A., Sidwell, R.A., Stanton, N.R., Moriyama, K., Shibata, H., Hara, T., Kusomoto, O., Noguchi, Y., Teranaka, M., Okabe, H., Yokota, J., Harnois, J.Y., Hebert, C.J.D., Hebert, J., Lokanathan, S., McLeod, B.M., Tasaka, S., Davis, P.J., Martin, J.F., Pitman, D., Prentice, J.D., Sinervo, P., Yoon, T.S., Kimura, H., Maeda, Y. Experimental details on lifetime measurements of neutrino-produced charmed particles in a tagged emulsion spectrometer 4—56030
Ushigome, H. *see* Kawamata, T. 4—31020
Ushijima, I. *see* Wakao, K. 4—37363
Ushijma, K. *see* Yoshida, K. 4—60531
Ushimaru, S. *see* Sasaki, A. 4—42520
Ushio, T. *see* Horiuchi, K. 4—41023
Ushirokawa, A. *see* Tada, K. 4—59555
Ushiyama, Y. *see* Ikeda, S. 4—32954
Ushizawa, J. *see* Fukuta, K. 4—52373
Ushizawa, J. *see* Watanabe, M. 4—50747
Usik, V.A., Egorova, T.S. Problem of providing special corrective aids for low-vision outpatients 4—39613
Usikhin, V.N. Estimating the savings to be gained by utilising the compensating abilities of synchronous motors by similarity theory methods 4—45418
Usin, V.A., Matytsyn, E.N. Influence of an inhomogeneous troposphere on the characteristics of large antennas 4—42958
Usin, V.A., Shvedova, N.A. On the necessary discreteness in near field measurements of antennas on a cylindrical surface 4—42936
Uskov, A.V. *see* Belenov, E.M. 4—30471
Uslenghi, P.L.E. *see* Damaskos, N.J. 4—42833
Uslugin, N.F. *see* Shisharin, A.V. 4—43449
Usol'tsev, B.P. *see* Sverdlov, A.M. 4—32483
Usoro, P.B. *see* Rouhani, R. 4—49566
Usoskin, A.I. Mode-free description of gain saturation in laser rods 4—42608
Uspenskaya, S.N. *see* Nepomnyashchii, V.A. 4—39805
Usselmann, E. *see* Parris, M. 4—49038
Ustimenko, E.S. *see* Kozitskii, B.D. 4—39234
Ustinov, N.D. *see* Averin, A.P. 4—42549, 4—59390
Ustinov, N.D. *see* Bakut, P.A. 4—60221
Ustinov, V.M. *see* Kop'ev, P.S. 4—55630, 4—58034
Uston, K. Will laser discs save the coin-op industry? 4—32969
Usuba, S., Kondo, K., Sawaoka, A. Development of railgun accelerator combined with two-stage light gas gun 4—42790
Usui, H. *see* Yamada, K. 4—53335
Usuki, T. *see* Ara, K. 4—55404
Usuki, T. *see* Ito, K. 4—36107
Usunaga, Y. *see* Yoshida, H. 4—52128
Utagawa, A. *see* Hagiwara, M. 4—59085
Utaka, K., Akiba, S., Sakai, K., Matsushima, Y. Analysis of quarter-wave-shifted DFB laser 4—31265
Utaka, K., Akiba, S., Sakai, K., Matsushima, Y. Effect of mirror facets on lasing characteristics of distributed feedback InGaAsP/InP laser diodes at 1.5 μm range 4—37371
Utkin, G.M. *see* Bikmurzin, R.S. 4—30006
Utkin, G.M. *see* Dvornikov, A.A. 4—51028
Utkin, V.N. A method of calculating the pulsation coefficient in discharge lighting installations 4—40589
Utkina, O.A. *see* Borodulin, V.I. 4—42662
Uto, S. *see* Hara, Y. 4—51647
Utpadel, H. Bildschirmtext—technical development perspectives 4—54314
Utsumi, K., Shimada, Y., Takamizawa, H., Fujii, S., Nanamatsu, S. Application monolithic multicomponents ceramic (MMC) substrate for voltage controlled crystal oscillator (VCXO) 4—58659
Utsumi, Y. Analysis of image recovery down converter made by planar circuit mounted in a waveguide 4—32733
Utsumi, Y., Imai, K. 22 GHz band low noise down converter for satellite broadcasting 4—54975

Uttal, B. The coming glut of semiconductors 4—30676
Uttam, S.P., Gadhoke, B.S., Gupta, H.M., Gupta, S.N. Some characteristics of 5 GHz IITD-CEERIP short range tropo link 4—60678
Utting, I.A., Caul, D.J., Brown, H., Binns, S.E. A typesetting server for the Cambridge ring 4—54439
Utting, I.A. *see* Needham, R. 4—54441
Uttrachi, G.D. What do robots need in welding equipment? 4—57637
Uusimaki, A. *see* Leppavuori, S. 4—48834
Uvarov, V.V. Semi-automatic electric plug welding 4—40654
Uvarova, T.V. *see* Antipenko, B.M. 4—37348
Uwai, K., Susa, N., Mikami, O., Fukui, T. Effects of substrate temperatures and V/III ratios on epitaxial InP grown by metalorganic chemical vapor deposition 4—29477
Uwano, T. *see* Shiomi, Y. 4—54986
Uwazumi, N. *see* Matsumura, J. 4—40057
Uy, M.R. *see* Falcon, R.P. 4—62447
Uy, O.M. *see* Maurer, R.H. 4—57849
Uya, M., Kaneko, K., Yasui, J. A CMOS floating point multiplier 4—58426
Uya, S. *see* Harada, N. 4—44451
Uyukin, E.M., Ctyroky, J., Janta, J. Photorefractive effect in optical waveguides made of different cuts of lithium niobate 4—42391
Uzawa, K. *see* Yamaguchi, M. 4—52435
Uzawa, S., Igarashi, S., Saito, N. The magnetic bubble memory tester using microcomputer 4—31048
Uzdin, R.I. *see* Oznobishin, V.V. 4—55500
Uzhik, V.F. *see* Demisov, D.S. 4—41563
Uzhinov, B.M. *see* Korol'kova, N.V. 4—42583
Uzpurvis, A.E. *see* Wiedemeier, H. 4—35484
Uzunoglu, N.K., Tsalamengas, J.L., Fikioris, J.G. The modal spectrum of a grounded gyromagnetic slab with a perpendicular or parallel axis of magnetization 4—46613
Uzunoglu, V. Synchronization and tracking with synchronous oscillators 4—35681

Vacca, F. *see* Cafaro, G. 4—34080, 4—34088, 4—62142
Vacca, J. Telecommunications to be glue for info 4—32141
Vaccaro, R.J. On adaptive implementations of Pisarenko's harmonic retrieval method 4—53349
Vaccaro, U. *see* Capocelli, R.M. 4—47771
Vacek, R. Measuring the insertion loss of connectors for optical fibres 4—31134
Vachee, P. Data terminal equipment remotely powered by a modem equipped with a contact sense/operate facility 4—60577
Vachi, T. Formation of $TiSi_2/n^+$ poly-Si layer by rapid lamp heating and its application to MOS devices 4—52034
Vachon, J.-P. *see* Lachiver, G. 4—61818
Vachtsevanos, G.J., Kalaitzakis, K.C. Maximum power transfer in non-linear source-load systems 4—56475
Vachtsevanos, G.J. *see* Firstman, S.I. 4—34265
Vachtsevanos, G.J. *see* Kalaitzakis, K.C. 4—34556
Vacroux, A.G. *see* Kufta, R.W. 4—38129
Vad, K. *see* Meszaros, S. 4—52492
Vadachkoriya, G.V. Optimum design of two-element parametric current sources 4—40319
Vadachkoriya, G.V. Analysis of parametric current source stabilising properties 4—45509
Vadali, S.R., Kraige, L.G., Junkins, J.L. New results on the optimal spacecraft attitude maneuver problem 4—48680
Vadimsky, R.G. *see* Ong, E. 4—36668
Vadon, M. Cellular radio—the retailer's new responsibilities 4—44013
Vaganov, R.B. Properties of focused field 4—37571
Vaganova, M.Yu., Denisova, T.S., Zadorozhnyi, B.G., Savel'ev, Yu.K., Khmelinin, E.G. Analysis of a multicriterion case of computeraided design of an inductive angle converter 4—58484
Vagapov, A.M., Lopat'ko, N.P. Optimization of a sequential algorithm for scanning of a space of standards in a deterministic classifier of radar signals 4—48503
Vagati, A., Villata, F. A brushless system for position control 4—56982
Vaglica, J. Data communications solutions for the MC68000 family 4—54408
Vaglio, L. *see* Costagli, L. 4—60567
Vagvolgyi, J. *see* Akatov, Yu.A. 4—61841
Vagvolgyi, J. *see* Szabo, P.P. 4—33888
Vahia, M.N. *see* Biswas, S. 4—55952
Vahia, M.N. *see* Kukreja, L.M. 4—31539
Vahid Shahidi, A. *see* Shih, I. 4—51829
Vahl, P. The performance of extensive supplementations without any essential interference with the running of the plant exemplified by the nuclear power station of Obrigheim 4—49715
Vahle, M.O. *see* Tolendino, L.F. 4—38290
Vahrenkamp, R.P. *see* Chang, M.F. 4—36262, 4—52274
Vahrenkamp, R.P. *see* Lee, S.J. 4—29881
Vaidehi, S. *see* Damodara Das, V. 4—36253
Vaidya, N.C. *see* Basu, B.N. 4—41779
Vaidya, S., Schutz, R.J., Sinha, A.K. Shallow junction cobalt silicide contacts with enhanced electromigration resistance 4—42013
Vaidyanathan, P.P., Mitra, S.K. Low passband sensitivity digital filters: a generalized viewpoint and synthesis procedures 4—35970
Vaidyanathan, P.P., Mitra, S.K. Design and analysis of switched-capacitor filters using a single operational amplifier 4—41479
Vaidyanathan, P.P., Mitra, S.K. A new class of very low sensitivity cascade-form digital-filters based on 'passive' second order single-input single-output building blocks 4—51459
Vaidyanathan, P.P. *see* Kundu, A. 4—47905
Vaidyanathan, P.P. *see* Mitra, S.K. 4—35953
Vail, L.M. *see* Orfanidis, S.J. 4—37995
Vaillancourt, M. NMR. New monitor of metabolism 4—56104
Vaillancourt, R. *see* Tanguay, L. 4—55640
Vainberg, M.Sh., Bal'ter, S.A., Merkle, K., Pakhomov, V.I., Sukhov, V.G., Sirotkina, N.N. The Abris semiautomatic device for recording the outer contour of a two-dimensional section of the human body [for use in radiation therapy] 4—56174
Vainberg, V.V., Vorobkalo, F.M., Zarubin, L.I. Conductivity of compensated moderately doped *p*-type Ge at low and ultralow temperatures 4—30311
Vainer, B.G., Kostin, V.V., Kuryshev, G.L. Enhancement of the photoresponse of metal-insulator-semiconductor structures on application of a strong electric field 4—30448
Vainer, V.V. Three-colour hollow cathode laser with helium-cadmium mercury medium 4—37284
Vainshtein, R.A., Kolodyazhnyi, V.V. Studying zero-sequence currents associated with intermittent arcing faults to earth in networks with insulated neutrals and their use in earth-fault protection 4—56669
Vainshtein, S.N., Diakonu, I.I., Zhilyaev, Yu.V., Levinshtein, M.E. On-state propagation in gallium arsenide thyristors 4—36570
Vaintraub, P. *see* Neagoe, V. 4—48580
Vaisenberg, O.A. *see* Chernyshev, V.P. 4—49074
Vaisfel'd, M.P., Imamutdinov, F.S., Khasanov, A.Kh. Maser effect due to thermal excitation of the spin system in a paramagnetic crystal by a pulsed magnetic field 4—31262
Vaish, J.N. *see* Shekher, C. 4—59644
Vaissiere, J. *see* De Mori, R. 4—53573
Vaissiere, J.C. *see* Aubert, J.P. 4—51735
Vaitkus, J. *see* Grivitskas, V. 4—46801
Vaitkus, R.L. Uncertainty in the values of GaAs MESFET equivalent circuit elements extracted from measured two-port scattering parameters 4—58939
Vajda, I. *see* Molnar, L. 4—53406
Vajdic, B., Tuszynski, A. Reducing the chance of soft errors in VLSI memories 4—59027
Vajdic, B. *see* Hoefflinger, B. 4—30761, 4—35717
Vakhabov, D.A., Zakirov, A.S., Mamadalimov, A.T., Khabibullaev, P.K. Investigation of photoelectric effects in selenium-doped silicon 4—30314
Vakhalin, V.A., Gonopol'skii, A.M., Zak, M.E., Rodina, T.A. Comparative examination of power sources for plasma spraying equipment 4—62629
Vakhnenko, V.A., Izmailov, I.A., Kochelap, V.A. Recombination gas-dynamic lasers on electron transitions in two-atomic molecules 4—52921
Vakhrushin, Yu.P., Orlov, A.K. Dynamic properties of magnetically soft cores 4—59151
Vakil, F., Hsiao, M.T., Lazar, A.A. Flow control in integrated local area networks 4—32434
Vakorin, A.A., Rtishchev, V.M., Rybin, V.N. Surge protection in capacitive impulse current generators 4—40512
Vaksman, V.N., Pershanin, E.A. Architecture of foreign hydroelectric stations 4—62422
Vakulenko, O.V., Skryshevskii, V.A. Internal quantum efficiency of impurity photoconductivity in semiinsulating gallium arsenide 4—46822
Vakulov, P.V. *see* Romanovskii, E.A. 4—61699
Valacka, K., Matulionis, E., Miskinis, P., Treideris, G. Recrystallization of GaAs in a temperature gradient with indium-based zones 4—58013
Valaska, L. Aspects of economics in the technological problems of low and medium voltage supply lines and transformer substations 4—49609
Valat, J. *see* El Minywai, N. 4—47546
Valbusa, V. *see* Sardi, L. 4—34894
Valcereanu, A. *see* Stein, M. 4—56636
Valcereanu, G. *see* Armencoiu, N. 4—56390
Valdenaire, A. Protect yourself against lightning and overvoltage effects 4—39930
Valdenaire, A. Non-material barriers: indispensable items of equipment 4—45931
Valderrama, E. *see* Ramos, R. 4—53409
Valdes, M.Zequeira *see* Zequeira Valdes, M.
Valdez, M.E., Ertem, M.C. An educational network for microcomputers 4—60534
Val'Dman, M.R. *see* Kuz'Min, I.V. 4—40823
Valdmanis, J.A., Mourou, G., Gabel, C.W. Subpicosecond electrical sampling 4—59266
Valdmanis, J.A., Mourou, G.A., Gabel, C.W. Picrosecond and subpicosecond optoelectronics for measurements of future high speed electronic devices 4—37231
Valdre, U. *see* Rocca, F.J. 4—41797
Valdyrev, A.S. *see* Filatov, A.S. 4—57594
Vale, A.Almeida do *see* Almeida do Vale, A.
Valek, V. *see* Hovak, R. 4—31544
Valenbakh, V.D. *see* Rubinson, Ya.G. 4—40084
Valencic, M. Connecting small-size hydropower plants to the electric network 4—62442
Valent, F. *see* Gont, M. 4—57252
Valenta, P. *see* Nurnberg, H.W. 4—44926
Valente, M., Queirolo, G. A study of contamination during reactive ion etching of SiO_2 4—46956
Valentich, J. *see* Sanjana, Z.N. 4—46678
Valentin, J.-P. Frequency drift reduction of high stability quartz oscillators 4—30887
Valentin, M. *see* Auge, J. 4—47280
Valentin, M. *see* Capel, A. 4—57190
Valentin, M. *see* Mollier, J.-C. 4—55650
Valentin, M. *see* Turpin, M. 4—47281
Valentin, R. *see* Metzger, K. 4—31827
Valentine, H. *see* Craig, A.D. 4—53287
Valentine, K.H., Kopp, M.K., Guerrant, G.C., Harter, J.A. Radiation stability of counting gas mixtures containing CF_4 4—33699
Valentine, K.H. *see* Kopp, M.K. 4—34337
Valentine, M. De-luxe AB box 4—44329
Valentine, R. Power MOSFETs speed up horizontal sweep 4—48744
Valentine, R.D. *see* Nichols, W.H. 4—34659
Valentino, T. *see* Lee, C. 4—51076
Valentinuzzi, E. Effects of human presence on the measurement of electromagnetic fields near equipment working at frequencies below 300 MHz 4—49334
Valenzano, A. *see* Ciminiera, L. 4—51261
Valenzano, A. *see* Demartini, C. 4—54411
Valerio, C.V., Jr. *see* Jain, F.C. 4—37740
Valette, P., Van Den Heuvel, P. Case study Netherlands. Reference case II 4—45207
Valeur, B. *see* Dupuy, F. 4—59463
Valevich, M.I. A radiometer flaw detector for monitoring welded joints 4—29566
Valfre, L. *see* Delfino, B. 4—57434
Valiev, G.S. *see* Romanovskii, E.A. 4—49075, 4—61699
Valiev, K.A., Velikov, L.V., Dushenkov, S.D., Zaroslov, D.Yu., Kanunov, E.R., Karlov, N.V., Kovalev, I.O., Kuz'min, G.P., Prokhorov, A.M. Use of grazing discharge for sizing of thin polymer films by vacuum-UV photoetching 4—51673
Valiquet, B.A. Care and feeding of intellectual property-protecting VLSI, ROMS, RAMS, and other electronic hardware designs through patents, copyrights, and trade secrets 4—50411
Valk, B., Hodel, W., Weber, H.P. High intensity picosecond transmission through optical fibers 4—42703
Valkenburg, G.Van *see* Van Valkenburg, G.
Valkenburg, M.E.Van *see* Van Valkenburg, M.E.
Valkonen, V.-P. The DX 200 digital switching system in a rural network 4—54563
Valkovic, Z. Additional losses in three-phase transformer cores 4—42280
Val'kovskii, S.N. *see* Bronnikov, A.D. 4—59561
Valla, M.I. *see* Christiansen, C.F. 4—30635
Vallabhan, C.P.G. *see* Mohanan, P. 4—32678
Vallabhan, C.P.G. *see* Pillai, S.M. 4—37208
Valle, J. The interface for a rotary encoder 4—29984
Valle, J. An ozone generator 4—35998
Valle, J. A Hi-Fi sound attenuator ('car fader') 4—48657
Valle El Cid, J.L.Del *see* Del Valle El Cid, J.L.
Vallee, F. *see* Lukasik, J. 4—42576
Vallee, R., Delisle, C., Chrostowski, J. Noise versus chaos in acousto-optic bistability 4—52729
Vallejo, P. *see* Subbarao, W.V. 4—61204
Valley, G.C., Klein, M.B. Optimal properties of photorefractive materials for optical data processing 4—42319
Valley, R. Adaptable chip monitors five power lines to safeguard digital systems 4—58137
Valli, G. *see* Boschi, M.C. 4—33832
Valli, G. *see* Coppini, G. 4—44718
Valliant, H.D. Build a frequency counter from a μC 4—61485
Valls, F., Rechea, M. Left ventricular function and sequential pacing: use of semiautomatic analysis by computer 4—49268
Valls, F. *see* Rechea, M. 4—49139
Valois, A.J., Robinson, G.Y. Electron traps in MBE AlGaAs/GaAs MODFETs 4—52093
Valouch, V. Direct control of torque for drives with current supplied induction motor and voltage inverter 4—50123

Valov, Yu.A., Rud', Yu.V., Mukhtasimov, F.N., Masagutova, R.V. Growth of $ZnGeP_2$ single crystals from solution in a thallium melt 4—29448
Valova, E. *see* Markov, I. 4—29510
Valsamakis, E.A. *see* Bhatia, H.S. 4—36408
Valter, G.P. Electricity conversion system for a wind turbine using a large-slip induction machine 4—45379
Valter, G.P. *see* van Gemert, P.H. 4—49867
Valtorta, M. Electric power transmission at voltages of 1000 kV and above. Plans for future AC and DC transmission, data on technical and economic feasibility and on general design, information on testing facilities and the research in progress 4—34161
Valuev, A.D. *see* Vasin, B.L. 4—55281
Valverde, C.M. The servo module for the 2×4 'Euro-850' Grundig video recorder 4—48608
Valverde, C.M. The DTF method used in the 'system 2000' [VTR dynamic track following technique] 4—55069
Valverde, C.M. Application of video recorders 4—55072
Vamos, G. *see* Czoch, I. 4—62281
Van, H.P. Design concept and performance of a TDMA/TMF system 4—32777
Van, H.Pham *see* Pham Van, H.
Van, M.D. *see* Bolton, R. 4—55816
van Alste, J.A., Smit, J.E. Continuous analysis of exercise electrocardiograms in real time 4—49237
van Amerongen, J., Honderd, G., Jacobs, G.B.H. Optimal generation of electrical power on board ships 4—62752
van Amersfoort, P.W. *see* Granneman, E.H.A. 4—61609
van As, H.R. Congestion control in packet switching networks by a dynamic foreground-background storage strategy 4—47941
van Asch, A.W., Tijdens, K.G. Networks of the four large banks 4—38311
Van Audenhove, J. *see* Coppieters, L. 4—52350
Van Auken, B.J., Jr. *see* Enright, K.Y. 4—51183
van Beek, F.M., Kipperman, A.H.M., Straayer, A. Conducting anodic oxy-fluoride layers on silicon for MIS-solar cells 4—34938
van Beek, H.F., Boelee, A., van der Laan, J.J.M., Mels, W.A. A position sensitive detector system consisting of an array of mini-proportional counters 4—33782
van Beek, H.F., Mels, W.A., Brinkman, A.C. A MWPC read-out system with novel photon identification capabilities 4—33674
van Benthem, J. *see* Walker, G. 4—40126
Van Berg, R. *see* Kononenko, W. 4—33692
van Berkel, K. VLSI-layout design requires a new language 4—29595
Van Bibber, K., Countryman, P.J., Murphy, M.J., Chan, Y.D., Stokstad, R.A.G., Tserruya, I., Wald, S. The plastic box—a 4π detector for intermediate energy heavy ion physics 4—33672
van Bladel, J., De Zutter, D. Magnetic levitation: the track currents 4—53155
van Bommel, P.J. *see* Granneman, E.H.A. 4—44681
van Bommel, P.J.M., Leung, K.N., Ehlers, K.W. H^- production on poly- and monocrystalline converters in a surface-plasma ion source 4—55807
van Bommel, P.J.M., Leung, K.N., Ehlers, K.W. Production of H^- ions from polycrystalline and single crystal (110) tungsten and molybdenum surfaces 4—61635
Van Boven, G., Wambacq, P., Oosterlinck, A., Van den Berghe, H. Industrial image computer systems: a comparative study 4—53881
Van Bree, K. *see* Perner, F. 4—58281
Van Brocklin, S.T. *see* McFillin, J.F., Jr. 4—44892
Van Broekhoven, P., Guinon, W.J., Batchelor, C., Carretto, J. Frequency domain processing for integrated CNI radios [avionics] 4—44861
van Brussel, H., Thielemans, H. Laser-guided robot assembly of printed circuit boards 4—41706
Van Calcar, H. An acoustic system for pipeline profile measurement 4—61313
Van Campenhout, J. *see* Coppieters, L. 4—52350
van Capelle, F.J.L. *see* de Bakker, J.M.T. 4—44747
Van Cleve, C.B. *see* Bills, D.G. 4—44642
van Daal, A.J.W., van der Vlist, P. DELTACS—a versatile tactical communication system 4—48351
van Damme, E. A relation between perfect equilibria in extensive form games and proper equilibria in normal form games 4—46092
van de Berg, J., Rao, N.V. Modern trends in color broadcasting camera systems 4—54943
van de Grift, R.E.J., van de Plassche, R.J. A monolithic 8-bit video A/D converter 4—51328
van de Klundert, L.J.M. *see* de Reuver, J.L. 4—39884
van de Klundert, L.J.M. *see* ten Kate, H.H.J. 4—62572
van de Pavert, C.A.P.W. *see* de Roode, W.H. 4—42235
van de Plassche, R.J. *see* van de Grift, R.E.J. 4—51328
van de Poel, J.A. *see* van Rhoon, G.C. 4—49304
van de Polder, L.J. *see* Greebe, G.A.A.J. 4—32941
Van de Velde, J.C. *see* Bellarbi, L. 4—44721
van de Velde, J.C. *see* Enel, L. 4—33808
Van de Velde, J.C. *see* Mamouni, A. 4—33821, 4—44732
van de Ven, J. Crystal damage during CV profiling 4—51873
Van De Weghe, H. *see* Van Simaeys, F.C. 4—54545
Van de Wiele, F. *see* Boumaour, M. 4—40463
Van de Wiele, F. *see* Herbots, N. 4—42014
van de Wiele, F. *see* Palm, E. 4—36516
Van Dell, W.R. Accuracy and efficiency in high power semiconductor device modeling 4—36523
van den Akker, T.J., Ros, H.H., Koeleman, A.S.M., Saat, R.G.M A general signal-processing unit for electrophysiological measurements 4—56126
van den Berg, F.L. An RF up-down converter for SCPC satellite communication 4—38524
Van den Berghe, H. *see* Van Boven, G. 4—53881
van den Boorn, J.H. NMOS analogue integrated circuits 4—47137
van den Bosch, P.P.J. Economic generation of electricity 4—44958
van den Bosch, P.P.J. A reliable, cost-optimal distribution of the spinning reserve 4—62369
van den Bosch, P.P.J. Accurate and economical control of a domestic central heating unit 4—62827
van den Bosch, P.P.J., Honderd, G., Siemensma, T.W. A hierarchical approach to dynamic optimization of power systems 4—34022
Van den Bossche, L. *see* Remmerie, G. 4—54513
van den Braak, P.A.B.M.C., van Tilborg, H.C.A. New constructions of uniquely decodable codes for the binary two-access erasure channel 4—43187
van den Eijnde, W.F.K. Much technology in a new multimeter 4—44533
van den Hauten, H. New method for moisture measurement in solids 4—61577
Van Den Heuvel, P. *see* Valette, P. 4—45207
van den Heuvel, W.M.C., Papadias, B.C. Interaction between phases in three-phase reactor switching. I. Grounded reactors 4—34710
Van den Hove, L. *see* Declerck, G. 4—39079
van den Oever, W.E. *see* Beeteson, J.S. 4—33159
Van Den Oever, W.E. *see* Cole, T.G. 4—41248
van den Oever, W.E. *see* O'Rourke, R. 4—30278
van der Borg, K., de Haas, A.P., Hoogenboom, A.M., Strasters, B.A., Vermeer, A., van Zwol, N.A. The injector of the Utrecht EN tandem 4—33593
van der Broeck, H.W., Ferreira, J.A., van Wyk, J.D. DC to AC converter for controlled drives based on a novel high efficiency, high current transistor switch 4—49977
van der Broeck, H.W., van Wyk, J.D. A comparative investigation of a three-phase induction machine drive with a component minimized voltage-fed inverter under different control options 4—49882
Van der Broek, E.J. *see* Horstman, R.E. 4—41879
van der Fluit, J.P. Optical transmission systems 4—54748
Van Der Graaf, F. *see* Van Dorth, A.C. 4—33226
van der Heiden, J.A. *see* van Rhoon, G.C. 4—49304
van der Heijden, R.W. *see* Horstman, R.E. 4—41879
van der Hijden, J.H.M.T., Neerhoff, F.L. Scattering and P/SV-conversion of elastic waves by a plane crack of finite width 4—50867
van der Hoeven, W. *see* Kalter, H. 4—30799
van der Klauw, C.L.M. *see* ten Kate, W.R.T. 4—39457
van der Laan, J.B. *see* Donne, A.J.H. 4—56032
van der Laan, J.J.M. *see* van Beek, H.F. 4—33782
van der Laan, P.C.T. *see* Verhaart, H.F.A. 4—30239
van der Laan, P.G.T. Electromagnetic interference 4—31682
van der Linden, H.A. *see* Beers, A.M. 4—35503
Van der Loos, M. *see* Leifer, L. 4—56172
Van der Loos, M. *see* Wicke, R. 4—56173
Van Der Lubbe, J.C.A., Boxma, Y., Boekkee, D.E. A generalized class of certainty and information measures 4—59899
van der Meer, J.J. *see* Journee, H.L. 4—39552
van der Meijs, N.P., Fokkema, J.T. VLSI circuit reconstruction from mask topology 4—52188
van der Merwe, J.H. *see* Ball, C.A.B. 4—50791
van der Merwe, W.G. *see* Jungwirth, H.N. 4—33603
van der Meulen, E.C. *see* De Bruyn, K. 4—43188
van der Poel, A.A. *see* Spaanenburg, L. 4—29932
van der Pot, B.J.G. OTEC activities by the Netherlands 4—62471
van der Schaaf, A. *see* Bertl, W. 4—33757
van der Scheer, D. A new generation of current limiting fuse-links 4—58607
van der Schoot, J.J., Wolters, D.R. Current induced dielectric breakdown 4—30835
van der Schoot, J.J. *see* Wolters, D.R. 4—30833
van der Tuuk, A. Glass fibre cables and their applications 4—54750
van der Veen, H. *see* Spaanenburg, L. 4—51186
van der Veen, J., Rooijmans, C. Environmental aspects of tellurium-based alloys in optical media 4—52523
van der Veen, J. *see* Gravesteijn, D.J. 4—52531
van der Veen, J.F. *see* van Loenen, E.J. 4—51861
van der Velde, J.C. *see* Jones, T.W. 4—55811
van der Ven, E.K. Determination of the minimum number of exposures in radiographic examination of circumferential welds 4—50852
van der Vlist, P. *see* van Daal, A.J.W. 4—48351
van der Voort, E., Donni, E., Love, P., Thonet, C. Comparative study for the Community on candidate technologies to relieve the European energy system 4—45911
van der Voort, F.M. Developments in telecommunications 4—54017
van der Wateren, E.H. *see* Ijff, G. 4—48687
Van Der Weide, H., Kamp, A. Long-term supervised domiciliary EEG monitoring in epileptic patients employing radio telemetry and telephone telemetry. I. Telephone telemetry system 4—56121
van der Wey, A.H. *see* Rutgers, W.R. 4—50010
van der Wijk, A. *see* Pancholi, S.C. 4—39491
van der Ziel, A. Small-signal AC conductance of short ballistic GaAs diodes at zero bias 4—36533
van der Ziel, A., Bosman, G. Accurate expression for the noise temperature of common emitter microwave transistors 4—58523
van der Ziel, A., Hsieh, C.J., Handel, P.H., van Vliet, C.M., Bosman, G. Partition $1/f$ noise in vacuum pentodes 4—58683
van der Ziel, A. *see* Duh, K.H. 4—47042, 4—47056, 4—58927
van der Ziel, A. *see* Zhang, X.N. 4—30310, 4—52073
van der Ziel, J.P. Generation of sub-picosecond pulses from mode locked AlGaAs semiconductor lasers 4—59509
Van der Ziel, J.P., Mikulyak, R.M. Single-mode operation of 1.3 μm InGaAsP/InP buried crescent lasers using a short external optical cavity 4—37369
van der Zwaag, H. Are current-limiting switches better? 4—34787
van der Zwaag, H. Current limiting high voltage fuses 4—62651
Van Dierendonck, A.J. Low cost GPS receiver design considerations 4—38730
Van Dierendonck, A.J. Time division multiple access differential GPS 4—38740
van Dijk, J.W., Kusters, J.F., Layfield, A., Rye, B.J. The use of TEA and multiatmosphere CO_2 lasers in active remote sensing 4—59685
van Dijk, J.W., Petheram, J.C., Rye, B.J. A multi-atmosphere carbon dioxide laser for use in differential absorption lidar (DIAL) 4—54898
van Dooremolen, W.H.A. New stereo decoder IC suits all classes of radio 4—60996
Van Dooren, J.P. A fibre optic LAN with IEEE 488 interface 4—44077
Van Dooren, P. *see* Nichols, N.K. 4—50914
van Dort, T.J. High-voltage supply between consumer and supplier 4—34213
van Dort, T.J. Safety regulations for high voltage installations. A closer examination of NEN 1041 4—50437
Van Dorth, A.C., Van Der Graaf, F., Steenvoorden, G.K. Thick film heat flux sensor 4—33226
van Dover, R.B. *see* Jin, S. 4—33257
van Dover, R.B. *see* Pei, S.S. 4—31061
van Driel, H.M., Code, R.F., Moss, D.J., Bharadwaj, P.K. Picosecond photoconductive switching in semiconducting and insulating natural diamond 4—59308
van Driel, H.M. *see* Glinski, J. 4—52762
van Driel, M.J., Sens, J.C. Linearity and resolution of photodiodes 4—31234
van Duuren, J. Message communications in civil aviation 4—54455
van Dyck, F.-J. Office efficiency increased with workstation system EMS 5800 OFFICE 4—43797
van Eck, H.J.Ritsema *see* Ritsema van Eck, H.J.
van Eck, J.T. Glass fibres for telecommunication links manufactured using the Philips PCVD (Plasma-activated Chemical Vapour Deposition) process for cabling 4—47246
van Eijndhoven, J.T.J., Jess, J.A.G. State analysis of large piecewise linear systems 4—29619
Van Engelen, C.P.M., Blaauboer, R.O., Kamermans, R. A delay-line position readout for a heavy-ion proportional counter 4—33751
van Es, M.G. West Botlek Energy Centre 4—49722
Van Geert, E. *see* Calvaer, A.J. 4—56964
van Gelder, B.H.W., Aardoom, L. Space/airborne laser ranging (SALR) as complement to groundbased transportable satellite laser ranging (SLR) 4—61914
van Gelder, I., Declerck, G.J. Programmable transversal filter using BBD and dynamic amplifiers 4—35945
van Gemert, M.J.C., Bruyninckx, C.M.A., Baggen, M.J.H. Shunt haemodynamics and extracorporeal dialysis: an electrical resistance network analysis 4—33857

van Gemert, P.H., Valter, G.P. An asynchronous generator for a wind turbine: Enhanced slip for simpler network coupling 4—49867
van Gent, J.W. The realities of running a fast update information service on videotex 4—48149
van Gerwen, P.J., Snijders, W.A.M., Verhoeckx, N.A.M. Dual digital transmission system for multipair cables based on 'crank-shaft coding' 4—54107
van Gerwen, P.J., Verhoeckx, N.A.M., Classen, T.A.C.M. Design considerations for a 144 kbit/s digital transmission unit for the local telephone network 4—54102
van Giessen, J.W., Viergever, M.A. Three-dimensional simulation of time-coded emission tomography 4—44715
van Gils, W.J. Linear unequal error protection codes from shorter codes 4—47751
van Goethem, J., Gimpelson, L.A. The role of the ITT 1240 digital exchange in the evolution of nonvoice services in the telephone network 4—32582
Van Goethem, J. *see* Ertelt, R. 4—54561
van Goudoever, H. *see* Boone, W. 4—49602
van Groningen, W., Kobisch, W. Spectrum analysis of complex signal shapes using a digital storage oscilloscope 4—61417
Van Gucht, D. *see* Fitzpatrick, J.M. 4—60273
van Haaff, F.A. The telecommunications aspects of an air traffic control system 4—56257
Van Haeren, R. Maintaining metalclad switchgear 4—45561
van Ham, D.M. Measurements on a wind-driven generator 4—45377
van Hamersveld, E. *see* Outwater, C. 4—59634
van Heugten, L.J.P. Speech recognition 4—43276
van Heusden, A.R. *see* Boenink, H.J. 4—62876
van Holtz, L. Accommodation of candidate laser communication links on selected spacecraft configurations 4—60819
Van Hook, M. *see* Lowe, K. 4—61293
Van Housen, R.L. *see* Franklin, J.C. 4—62885
Van Hove, J.M. *see* Pukite, P.R. 4—50767
Van Hove, P., Chan, V.W.S. Spatial acquisition algorithms and systems for optical communications 4—44142
Van Hulse, J., Buyse, H., Compere, M., Thiry, J.M. A self-starting polyphase synchronous motor with multiple induced circuits 4—34634
van Kemenade, J.T.C., Berns, E.G., Peters, R.C. New Special de Luxe 'TLD' fluorescent lamps 4—62798
van Klinken, J. *see* Pancholi, S.C. 4—39491
van Laere, I.M.R. *see* Davies, P.B. 4—59434
van Leeuwen, K.A.H., Nijnuis, H.T. Measurement of higher-order mode attenuation in single-mode fibers: effective cutoff wavelength 4—42381
van Leeuwen, P.L. Thermal design and performance of the IRAS S/C system 4—44809
van Leunen, J.A.J. Simple techniques for frequency analysis of images 4—53883
van Leunen, J.A.J., Dreessen, J. Automated data handling and instrument control using low-cost desktop computers and an IEEE 488 compatible version of the ODETA V 4—55162
Van Leuven, J. Autonomous wind power systems are economically competitive 4—34535
Van Loan, C. *see* Brent, R.P. 4—53589
van Loenen, E.J., Frenken, J.W.M., van der Veen, J.F. Ni-Si(111) interface: growth of Ni_2Si islands at room temperature 4—51861
Van Loon, J.-C.F. *see* Coulmance, J.-P. 4—48327
Van Lyong Lyu *see* Lyu Van Lyong
Van Lysel, M.S. *see* Dobbins, J.T. 4—49147
van Manen, J. *see* Journee, H.L. 4—44757
van Meer, A.C.P. *see* Butterweck, H.J. 4—30022
Van Meeteren, H.P. Scheduling of generation and allocation of fuel, using dynamic and linear programming 4—56507
van Melsen, C. *see* Dobbeni, D. 4—56778
van Middlekoop, G. *see* Donne, A.J.H. 4—56032
Van Mien, H.Dang *see* Dang Van Mien, H.
van Mieren Loovenstijn, J.H. Microelectronics in photography. Light measurement and control take place electrically 4—55458
van Mierlo, G.W.M., Roefs, H.F.A. Relative performance of a simple MTI canceller selection rule 4—54851
van Noort, H.M. *see* Martens, J.W.D. 4—47176
Van Nostrand, A. *see* Schiano, C. 4—32765
van Nurden, W.K. *see* Gilbert, B.K. 4—46541, 4—53585
Van Ocken, E., Schenkels, P., Claes, V., Brutsaert, D.L. Automatic evaluation of left ventricular wall movement 4—49266
van Opdorp, C., 't Hooft, G.W. Current-voltage and light-voltage relations for the linear-graded *pn* junction 4—36314
van Opdorp, C. *see* 't Hooft, G.W. 4—37243
van Os, C.F.A., Verpalen, J.L.P.W., Bezemer, J. Polycrystalline silicon ribbons for solar cells prepared by fast cooling 4—58850
van Overstraeten, R. *see* Cheek, G.C. 4—45636
Van Overstraeten, R. *see* De Pauw, P. 4—46802, 4—51749
Van Peteghem, P., Vandeloo, P., Sansen, W.M.C. Efficient least-mean-squares algorithm performs audio distortion analysis on sampled waveforms 4—43394
Van Praag, P.M. Automotive exhaust analyzer. II 4—55553
van Pragg, P.M. Build this automotive exhaust analyzer 4—45714
Van Putten, A.F.P. An integrated silicon double bridge anemometer 4—33233
Van Que Do, Gavrilovic, M.M. A numerical method for synthesis of BLC network equivalents in the frequency domain 4—45069
Van Rees, B. *see* Schaff, W.J. 4—52095, 4—58545
van Rhoon, G.C., van de Poel, J.A., van der Heiden, J.A., Reinhold, H.S. Interference of 433 MHz microwaves with a megavoltage linear accelerator 4—49304
van Roermund, A.H.M., Coppelmans, P.M.C. An integrated switched-capacitor filter for viewdata 4—38812
van Roosmalen, A.J. Review: dry etching of silicon oxide 4—41713
van Rosendaal, C.Jansen *see* Jansen van Rosendaal, C.
Van Ruyven, L.J. Double heterojunction lasers and quantum well lasers 4—42654
Van Schaftingen, J.J. *see* Crochet, M.J. 4—29452
Van Sickle, K. *see* Dome, G.J. 4—39713
van Simaeys, F. *see* Guebels, P.P. 4—54555
Van Simaeys, F.C., Van De Weghe, H., Kuo Chan, C. Advanced semiconductor technology in digital switching and transmission applications 4—54545
van Someren, A. Talk with Torch [Unicomms communications package] 4—54196
van Staa, P. *see* Kassing, R. 4—36248
van Steenbergen, A., Grobman, W. Storage ring design for X-ray lithography 4—55783
Van Stryland, E., W., Williams, W.E., Soileau, M.J., Smirl, A.L. Laser induced damage, nonlinear absorption and doubling efficiency of $LiIO_3$ 4—42689
Van Stryland, E.W. *see* Soileau, M.J. 4—42721
Van Stryland, E.W. *see* Williams, W.E. 4—47511
van Tilborg, H.C.A. *see* van den Braak, P.A.B.M.C. 4—43187
van Tol, M.W. *see* Robertson, J.M. 4—42469
Van Uitert, L.G. *see* Camlibel, I. 4—52797
Van Valkenburg, G. QUICKSCAN electronic publishing—a practical broadband information system 4—32211
Van Valkenburg, M.E. A plan for curricular reform 4—35173
Van Valkenburg, M.E. *see* Lerner, E.J. 4—50364
van Veen, C. *see* Goovaerts, H.G. 4—33787
van Veen, W.M.D. *see* Gandini, M. 4—61096
van Veghel, A.C. Suppression of network transients 4—56675
Van Vliet, C.M., Marshak, A.H. Comment on 'Position-dependent effective masses in semiconductor theory' 4—41806
van Vliet, C.M. *see* van der Ziel, A. 4—58683
Van Vonno, N.W., Howell, B.P., Simon, B. A 27-channel photodiode/preamp array 4—59349
Van Vooren, E.J. Utilization of censored test data to establish thermal indices for component recognition 4—29234
Van Vooren, E.J. Determination of bond strength of impregnating materials—a reevaluation of test methods 4—30861
van Voorst, J.D.W. *see* Bruckner, V. 4—59602
Van Voren, E.J., Mayschak, R. Varnishes and UL 1446—what we have learned, what we have yet to learn 4—30862
Van Vuuren, J. *see* Smits, J.G. 4—48833
van Welij, J.S. *see* Polak, S.J. 4—31595
van Wickeren, E. *see* Dickmeis, W. 4—35452
van Willigen, D. *see* Joosse, C. 4—48526
van Winsum, J.A. Effect of orientation ratio and powder properties on anhysteretic linearity of magnetic tape coatings 4—30999
van Wunnik, J.N.M. *see* Granneman, E.H.A. 4—44681
Van Wyck, B. *see* Syrigos, H. 4—58497
van Wyk, J.D., Enslin, J.H.R., Schoeman, J.J. The operation of a VSCF-system with electronic Scherbius cascade for supply of wind generated electricity to the power supply grid 4—34554
van Wyk, J.D., Schoeman, J.J. On total loss minimisation in power controllers for photovoltaic systems 4—34904
van Wyk, J.D. *see* van der Broeck, H.W. 4—49882, 4—49977
van Zant, P. Ammonium persulfate as a stripping and cleaning oxidant 4—52003
van Zwol, N.A. *see* Strasters, B.A. 4—33621
van Zwol, N.A. *see* van der Borg, K. 4—33593
Vance, E.F. Allocation of EMP protection 4—37628
Vance, E.F. Workshop on transient EMP protection 4—37675
Vance, I.A.W. *see* McKnight, A.J. 4—51408
Vance, T.L. Videotex terminal requirements now and in the future 4—54211
VanCleave, G.W. Image registration technique 4—40670
VanCleemput, W. *see* Ghosh, S. 4—35768
Vandamme, L.K.J. Theories and experimental facts on 1/f noise 4—30301
Vandeloo, P. *see* Van Peteghem, P. 4—43394
Vanden Berghe, R.A.L. *see* Liehr, M. 4—46972
Vanden Heede, T.M., Fusi, L. Design and advances in in-circuit emulation 4—51119
Vandenbosch, R. *see* Cramer, J.G. 4—33600
Vandendriessche, L., Pauwels, H., de Visschere, P., Anaf, L. Model for the frequency-dependence of the capacitance in CdS-Cu_2S solar cells 4—40443
Vandenput, A. *see* Belmans, R. 4—62526
Vanderkooy, J., Lipshitz, S.P. Resolution below the least significant bit in digital systems with dither 4—33038
Vanderlee, K.A. Substrate for high power packaging [of thick film hybrid circuits] 4—45984
VanderLugt, A. Adaptive notch filtering 4—42434
VanderLugt, A. Crossed Bragg cell processors 4—47313
VanderPlas, H.A. *see* Sirkin, E.R. 4—51938
Vanderstraeten, H. Combustion optimization in furnaces and boilers [chemical industry] 4—62877
Vanderwert, T.L. Prospects brighter for laser welding 4—42751
Vanderwert, T.L., Wallace, J.P. Eddy current monitoring of laser-heated metals: a means of process control? 4—35524
Vandewalle, J. *see* Claesen, L.J.M. 4—51430
Vandewalle, J. *see* Davio, M. 4—53436
Vandewalle, J. *see* Desmedt, V. 4—43203
Vandewalle, J. *see* Desmedt, Y. 4—43158, 4—47777
Vandewalle, J. *see* Jain, R. 4—58464
Vane, G. *see* Wellman, J.B. 4—39697
Vanecek, M., Abraham, A., Stika, O., Stuchlik, J., Kocka, J. Gap states density in a-Si:H deduced from subgap optical absorption measurement on Schottky solar cells 4—50061
Vaneev, B.N., Gostishchev, V.M., Kotlyarevskii, A.P., Ruchkin, A.G., Serdyuk, L.I., Kalinin, V.V. Reliability of type PVI-125 and type PVI-320 explosion-proof starters 4—62675
Vanek, V., Hursman, T., Copeland, D., Goebel, D.M. Technology of a laser resonator for the photodetachment neutralizer 4—61613
Vangaever, F., De Doncker, R., Vanhumbeeck, J. Control and optimisation of the electroplating process—modern electrochemical measuring methods 4—45789
Vanherzeele, H., Mackay, H.J., Diels, J.-C. Spatial and temporal properties of a tunable picosecond dye-laser oscillator-amplifier system 4—52926
Vanherzeele, H. *see* Diels, J.C. 4—53063
Vanhove, L. On gain errors in a linear prediction vocoder using residual energy excitation 4—43241
Vanhumbeeck, J. *see* Vangaever, F. 4—45789
Vanier, P.E. *see* Rajeswaran, G. 4—58726
Vanin, V.I. *see* Kotlyar, Ya.A. 4—30059
Vaninbroukx, R. *see* Bortels, G. 4—56016
Vankatesh, S.V. *see* Shoults, R.R. 4—49560
VanLokeren, D.C. *see* Fillmore, G.L. 4—47560
Vanner, K. *see* Suckling, C.W. 4—30064
Vanner, K.C., Jackson, N.F., Rhodes, S.J. Resin and chips [applications of polyimides in microelectronics] 4—36411
Vanner, M.J. *see* Adam, J.F. 4—62215
Vannicola, V.C. Statistical properties of an RF signal perturbed by oscillator phase instability 4—43045
Vannicola, V.T. Detection and estimation performance measures for radar polarimetric channels 4—44158
Vanselow, C. *see* Grossmann, C. 4—35407
Vant, M.R. SAR digital signal processing at CRC 4—32859
Vantrin, A. *see* Guitard, D. 4—48858
Vanwormhoudt, M.C. *see* Martens, J.P. 4—50921
Vanyai, P. *see* Frigyes, I. 4—32662
Vanyushkin, O.V., Semenov, O.B. Nonlinear distortions measurement in digital sound recorders 4—33073
Vanzetti, R. Laser inspects solder joints for integrity 4—51634
Vapirev, E.I., Kamenov, P.S., Dimitrov, V., Balabanski, D. Resonance detectors for time experiments 4—33654
Vaquero, A., Iglesias, M. Tapia and Tucker's method for BES resolution application to multiple function synthesis 4—51157
Varabeyev, G.S., Nesterenko, A.V., Tsvyk, A.I., Shestopalov, V.P. Characteristics of the Diffracted Radiation Generator with multiple electron span 4—41762
Varacalle, D.J., Jr. *see* Grush, W.H. 4—49706
Varadarajan, K., Krishna Sharma, B. 24 kVA power plants for satellite Earth stations 4—38550
Varadi, A. *see* Yang, K. 4—58339
Varady Szabo, M. *see* Kerecsen, I. 4—43571
Varahamurthy, R.K. Statistical methods and life-testing in heavy electrical equipment 4—34563
Varaiya, P., Walrand, J., Buyukkoc, C. Extension of the multi-armed bandit problem 4—46168
Varaiya, P. *see* Courcobetis, C. 4—46087
Varaiya, P. *see* Gopinath, B. 4—53330

Varaiya, P.P. *see* Salam, F.M.A. 4—49553
Varakin, L.Ye., Vlasov, A.V. Analysis of the effect of high-power structural interference on a radio-engineering system using noiselike signals 4—31702
Varakulsiripunth, R., Shiratori, N., Noguchi, S. Congestion control scheme based on traffic priority in computer networks with finite nodal buffer 4—53981
Varanasi, M.R. *see* Cain, J.T. 4—35190
Varaprasad, V.S. *see* Gopalkrishna, S. 4—31642
Varcoe, J.A. *see* Feather, B.A. 4—51683
Vardanyan, A.A., Shaboyan, S.A. Peculiarities of current distribution along emitter combs in power transistors 4—52069
Vardapetyan, T.A. *see* Arutyunyan, V.M. 4—57299
Vardi, V. *see* Shepp, L.A. 4—49163
Vardosanidze, Z.V. *see* Kakichashvili, Sh.D. 4—59648
Vareille, A. *see* Vuillermoz, B. 4—30559
Varela, J. *see* Anderson, L. 4—55989
Varela, M. *see* Morenza, J.L. 4—29496
Varela, M.D. The area protected by a point form lightning conductor 4—34225
Varfolomeev, A.A. Enhancement of free-electron-laser gain by means of an external laser 4—42673
Varfolomeev, L.P. *see* Bolinov, V.A. 4—50197
Varga, R.S. *see* Csordas, G. 4—46063
Varga, S. *see* Horvath, A. 4—62218
Varga, Z. *see* Loose, A. 4—55941
Varga, Z. *see* Somogyi, G. 4—55868, 4—56216
Varga, Zs. *see* Smogyi, G. 4—55869
Varganov, V.N. *see* Abubakirov, E.B. 4—36218
Vargas, A.A. *see* Hengst, R.J. 4—36804
Vargas, M. *see* Boza, L.B. 4—38413
Varghese, P.M., Thakur, A.V., Rohatgi, V.K. Vacuum system for a portable electron beam machine 4—29249
Varivodov, V.N., Demkin, A.A., Emel'yanova, L.I. Dielectric strength of cast epoxy insulation as a function of dimensions in a weakly inhomogeneous electric field 4—30868
Varju, G., Janklovics, Z. Effects caused on telecommunication networks by electric traction 4—59759
Varker, C.J *see* Schroder, D.K. 4—39267
Varker, K.J. Composite lamination process 4—46704
Varker, K.J. Glass woven cloth with locked weave 4—46706
Varker, K.J. Differential solubility wires 4—46709
Varlamov, I.V., V'yukov, L.A., Kozhokar, F.I., Maksimova, O.G., Radautsan, S.I., Solyakov, A.N., Filipp, V.N. Preparation of CdTe layers on InSb by condensation in a quasi-closed volume 4—29526
Varley, R.F., Conn, J.K. EHF satcom terminal antennas 4—37741
Varley, R.F., Conn, J.K. EHF satcom terminal antennas.II 4—48429
Varlinskii, N.N., Khvoshch, S.T., Borisov, V.S. Principles of organizing and utilizing error detection and correction circuits in microcomputer memories 4—46478
Varma, M. *see* Munjal, N.L. 4—56250
Varma, P., Ambler, A.P., Baker, K. On-chip testing of embedded RAMs 4—51250
Varma, S.K. *see* Moharir, P.S. 4—32841
Varman, P.O. A moire system for producing numerical data of the profile of a turbine blade using a computer and video store 4—33545
Varnavskii, O.P., Leontovich, A.M., Mozharovskii, A.M., Solomatin, I.I. Mode-locked YAG:Nd^{3+} laser with a high output energy and brightness 4—31363
Varnell, L.S., Ling, J.C., Mahoney, W.A., Jacobson, A.S., Pehl, R.H., Goulding, F.S., Landis, D.A., Luke, P.N., Madden, N.W. A position-sensitive germanium detector for gamma-ray astronomy 4—33778
Varner, K. *see* Jones, J.R. 4—62185
Varner, L.W. *see* Eger, T.E. 4—59976
Varney, L. G5RV multiband antenna . . . up-to-date 4—47690
Varnham, M.P., Payne, D.N., Barlow, A.J., Tarbox, E.J. Coiled-birefringent-fiber polarizers 4—52579
Varnham, M.P. *see* De Fornel, F. 4—37107
Varnica, P. IXTS—an automatic test system for generating telephone traffic and measuring PABX performance 4—32591
Varoquaux, W. *see* Mira, J.-J. 4—62083
Varoufakis, S., Venetsanopoulos, A. A special class of multiplierless two-dimensional recursive digital filters 4—51445
Varoufakis, S.J., Venetsanopoulos, A.N. Fast optimum design of IIR digital filters with finite precision coefficients 4—58460
Varovin, I.A. *see* Eperin, A.P. 4—45224
Varshava, S.S. *see* Akhromenko, Yu.G. 4—31456
Varshavskii, M.Z. Automatic mode switch for automatic control system for running-in automobile engines 4—30061
Varshney, P.K., Hartmann, C.R.P. Sequential fault diagnosis of modular systems 4—29357
Varshney, P.K. *see* Hartmann, C.R.P. 4—41287
Varshney, P.K. *see* Sriram, K. 4—32085
Varshney, R.K. *see* Kumar, A. 4—47276
Vartanyan, A.M. Solving linear power network equations 4—56523
Vartanyan, M.T. *see* Kulichikhin, V.V. 4—34425
Vartolomei, L. *see* Pasnicu, C. 4—31023
Varvaloucas, G.C. *see* Kashper, A.N. 4—38113
Vas, P., Brown, J.E., Shirley, A. The application of N-phase generalized rotating field theory to induction machines with arbitrary stator winding connection 4—57012
Vasconcellos, E.C.C., Wyss, J.C., Petersen, F.R., Evenson, K.M. Frequency measurements of far infrared CW lasing lines in optically pumped $CHCl_2F$ 4—59432
Vasconcelos, A.Viegas De *see* Viegas De Vasconcelos, A.
Vaseashta, A., Kumari, S. MOS-oxide charge induced junction solar cells 4—34900
Vashkovskiy, A.V., Syrovoy, V.A. Analysis of the exact solutions of the equations for an electrostatic beam 4—53159
Vashkovskiy, A.V., Zubkov, V.I., Kil'dishev, V.N. Influence of the transducer selectivity on the excitation of magnetostatic waves in yttrium iron garnet films 4—42281
Vashkovskiy, A.V., Zubkov, V.I., Kil'dishev, V.N The effect of a dielectric gap between a transducer and a ferrite film on the excitation of magnetostatic waves 4—47202
Vasilenko, N.D., Glushkov, E.A., Kuznetsov, A.S., Sushko, B.I., Tuzovskii, A.M. Epitaxial silicon structures, obtained from a liquid phase 4—58026
Vasilenko, O.I. Operating modes of a planar electron diode 4—58684
Vasilenko, P.G., Dubrovskaya, I.M., Lazarev, M.V., Lemanov, V.V., Ryzhevnin, V.N., Sukharev, B.V. Switching of light at an electrooptic mirror in intersecting channel waveguides 4—42421
Vasilets, T.E. *see* Tolkunov, V.P. 4—40267
Vasil'ev, A.B., Vladimirov, V.B., Matrosov, V.V., Soloshchanskii, D.I., Mostkov, V.M., Khachatur'yan, N.S. Comprehensive investigations of the strength and stability of workings of the powerhouse works of an underground hydroelectric station 4—62430
Vasil'ev, A.V., Antropov, G.V. A method of finding the costs of switching plant in and out during cost-effectiveness optimisation of a base-load-semipeaking district-heating power station 4—56833
Vasil'ev, A.V. *see* Bagrov, A.M. 4—31147
Vasil'ev, B.A. *see* Esepkina, N.A. 4—32887
Vasil'ev, B.I. *see* Akhrarov, M. 4—37311
Vasil'ev, E.N., Fedorenko, A.I. Scattering of electromagnetic waves at the edge of a semiinfinite dielectric layer imbedded in a perfectly conducting half space 4—37570
Vasil'ev, E.N., Polynkin, A.V., Solodukhov, V.V. Scattering of a surface wave at the junction of two dielectric waveguides 4—41545
Vasil'ev, E.P. *see* Zakhar'yashchev, L.I. 4—30160
Vasil'ev, E.V. *see* Belotserkovskii, V.I. 4—33269
Vasil'ev, I.A., Parfenov, Yu.L., Chalov, P.I. A band-amplifier pulse shaper for nuclear radiation spectrometry 4—55982
Vasil'ev, K.M. *see* Meerovich, E.A. 4—62715
Vasil'ev, L.A. *see* Basov, N.G. 4—37307
Vasil'ev, M.B., Chuvashev, N.F. Dose build-up factors of an isotropic point source behind a barrier of steel pipes 4—50860
Vasil'ev, P.P. *see* Bogatov, A.P. 4—42691
Vasil'ev, R.M. *see* Bashkirov, L.F. 4—57770
Vasil'ev, S.I., Sidel'nikov, Z.I. Min-max indicator 4—61443
Vasil'ev, V.G., Dytynko, V.M., Lebedenko, V.P., Fedyakina, E.S., Khabarov, Yu.I. Investigation of binary images in holographic memory units based on semiconductor lasers 4—59612
Vasil'ev, V.V. *see* Bobrov, E.N. 4—32463
Vasil'eva, L.G. *see* Esepkina, N.A. 4—32887
Vasilevskii, M.A. *see* Burtsev, V.A. 4—59445
Vasiliev, A.A., Kompanets, I.N., Parfenov, A.V. Advances in development and applications of optically controlled liquid crystal spatial light modulators 4—42427
Vasilik, D.G. *see* Waechter, D.A. 4—33902
Vasiliu, V., Ristici, M. He-Ne laser equipment for verifying the verticality of mines air shaft 4—37512
Vasiliu, V. *see* Ristici, M. 4—52915
Vasilyak, L.M. *see* Abramov, A.G. 4—31324
Vasil'yev, A.A. *see* Grinev, A.Yu. 4—31782
Vasil'yev, A.V., Klassen, V.I., Laskin, N.N., Tobolev, A.K. Cost optimization of the antenna dimensions of a solar power station in space 4—40162
Vasil'yev, Ye.I., Kanavets, V.I., Terebilov, A.V. Effect of the velocity distribution in a bunch on the kinetic energy extraction efficiency in a klystron 4—30258
Vasin, B.L., Valuev, A.D., Goryachuk, O.L., Danikov, A.E., Mai, R.G., Sklizkov, G.V., Fedotov, S.I., Chaushanskii, S.A. Television system for monitoring the position of the target in experiments on laser thermonuclear synthesis 4—55281
Vasin, L.N. *see* Ivanov, A.V. 4—31131
Vasin, V.P., Rozhnova, I.P. Physicotechnical problems of electric power conservation 4—44940
Vas'ko, F.T. Ballistic hole photocurrents 4—46789
Vas'ko, N.M., Rozenberg, I.S. Changes in the circuit of type VL80S electric locomotive 4—45699
Vas'korskii, Yu.N., Rogach, S.M., Chemeris, V.T. Mathematical modelling of an induction-dynamo impact motor 4—62536
Vas'kov, S.T. *see* Bobrov, E.N. 4—32463
Vas'kovskii, Yu.N., Mnikh, N.B., Chemeris, V.T. Mathematical modelling of a transient process in an electromechanical generator of the compression type 4—45536
Vasquez, R.P., Hecht, M.H., Grunthaner, F.J., Naiman, M.L. X-ray photoelectron spectroscopy study of the chemical structure of thermally nitrided SiO_2 4—41981
Vass, A. *see* Prettl, W. 4—59310
Vass, E. *see* Hopfel, R.A. 4—36355
Vassalo, C. A direct analysis of the dispersion equation in birefringent optical fibres 4—59235
Vassilev, I.N. *see* Iontachev, B.A. 4—49908
Vassos, S. *see* Schenk, K.F. 4—56460
Vastola, K.S., Poor, H.V. Robust Wiener-Kolmogorov theory 4—43314
Vastola, K.S., Poor, V.H. On the p-point uncertainty class 4—43014
Vastola, K.S. *see* Schwartz, S.C. 4—47885
Vasudev, P.K. Recent advances in device processing and packaging of high-power pulsed GaAs double-drift IMPATTs at *X*-band 4—51535
Vasudev, P.K. *see* Lee, J.Y. 4—36871
Vasudev, P.K. *see* Mayer, D.C. 4—42164
Vasudeva Rao, P.V. New directions in lead acid battery research 4—34859
Vasudevan, K. *see* Zachariah, E.J. 4—31767
Vasui, T. *see* Kawamoto, H. 4—51246
Vasyagin, N.I., Guryanov, I.V., Snitka, G.G., Yashchenko, V.A. An LG20 fluorescent lamp for hyperbilirubinemia treatment 4—49305
Vasyukevich, P.V. Surge generator with impulse excitation of rotor winding 4—62490
Vatalaro, F. *see* Corazza, G. 4—38707
Vater, P., Khan, E.U., Beckmann, R., Brandt, R. Five-pronged fission events, quite abundantly observed in the interaction of 16.7 MeV/N $^{238}U+^{nat}U$ using mica SSNTD 4—55949
Vater, P., Khan, E.U., Tress, G., Dersch, R., Brandt, R., Wild, H., Albrecht, H. A mica microfilter cascade fractionator used to obtain aerosol size distribution 4—55961
Vath, R. *see* Lautenbach, P. 4—44874
Vathke, J. *see* Derksen, R.H. 4—51355
Vatidis, S., Fincham, W.F. Data telemetry system based on a microprocessor 4—33143
Vatis, D. *see* Hart, H.R. 4—49158
Vatjus-Antilla, L., Karppinen, M., Saukkonen, S. A portable data logger for severe environments 4—55578
Vatne, R.S., Johnson, P.A., Jr., Bos, P.J. New LC/CRT field-sequential color display 4—55604
Vatoux, S. *see* Bourbin, Y. 4—42415
Vatskevich, V.A. Analysis of log-periodic vibrator antennas 4—53316
Vatutin, V.M. *see* D'yakonov, V.I. 4—31455
Vaucher, A.M., Li, M.G., Lee, C.H., Striffler, C.D. Optoelectronic devices for millimeter-waves 4—58496
Vauclin, M. *see* Bernard, R. 4—56273
Vaughan, J. Interactive architecture and the role of the designer 4—54256
Vaughan, J.M., Woodfield, A.A. Wind measurement with coherent laser radar at 10 μm 4—59686
Vaughan, P. Telecine: the finite market 4—38778
Vaughn, D. *see* Dochat, G.R. 4—40216
Vaughn, M.R. *see* Walls, W.A. 4—45455
Vautrin, J.P. *see* Dei-Svaldi, D. 4—37611
Vavilin, A.V. *see* Bystrov, V.P. 4—56305
Vavilova, L.S. *see* Alferov, Zh.I. 4—47471
Vavra, P.C., Busch, G.E., Shepard, C.L. Image enhancement tools for tracing fringe patterns in holographic interferograms acquired during laser fusion experiments 4—53809
Vavzhina, S.V. *see* Marov, N.N. 4—36484
Vaya, P.R., Bose, G., Ramamurthy, V. Surface preparation of GaAs: a comparative study of various chemical etchants 4—58874
Vaya, P.R., Ramachandran, V., Majhi, J. AC field effect study on PbTe films grown by hot wall epitaxy technique 4—46836
Vaya, P.R. *see* Dhanasekaran, P.C. 4—50062
Vayda, J. New and efficient tools for nuclear engineering analysis 4—62294
Vaynoris, Z.A., Stankunas, Y.Y., Shtaras, S.S. Deflection of electron beam in oscilloscope tubes with a symmetrical travelling-wave deflection system 4—51713
Vaynshteyn, L.A., Isayev, V.A., Trubetskov, D.I. Electronic generator with open resonator (review of theoretical and experimental investigations) 4—41760
Vaz, W.E. *see* Nuno, A.P. 4—55611
Vazirani, U.V., Vazirani, V.V. Trapdoor pseudo-random number generators, with applications to protocol design 4—32102

Vazirani, U.V., Vazirani, V.V. RSA bits are $0.732+\epsilon$ secure 4—53445
Vazirani, U.V. *see* Blum, M. 4—53432
Vazirani, V.V. *see* Blum, M. 4—53432
Vazirani, V.V. *see* Vazirani, U.V. 4—32102, 4—53445
Vazquez, A. *see* Carrasco, D. 4—38572
Vazquez, G.M. *see* Kerr, W.T. 4—54704
Vdovin, Yu.A., Maslova, T.I. Methodological aspects of standardizing tests on electrotechnical steel 4—29565
Vdovtsev, R.A. *see* Aleksandrov, A.A. 4—45305
Vea, M.J.J. Moving toward CCITT No.7 common channel signalling 4—60408
Veall, M.R. Industrial electricity demand and the Hopkinson rate: an application of the extreme value distribution 4—34024
Veastad, J.R. Use of satellites in future digital telecommunication networks 4—43832
Veatch, M.H., Calvo, A.B., McManus, J.L. R&M analysis techniques for fault-to-tolerant systems 4—49427
Veca, G.M. *see* Del Vecchio, P. 4—31086
Vecchio, P.Del *see* Del Vecchio, P.
Vecchis, M.de *see* de Vecchis, M.
Vecherkovskii, V.V., Istomin, Yu.A., Koba, Yu.V., Koval'chuk, B.M., Lavrinovich, V.A., Latmanizova, G.M., Perlin, A.S., Pecherskii, O.P., Potalitsyn, Yu.F., Yampol'skii, I.R. Double shaping line switch in an experimental module of the Angara-5 apparatus 4—49998
Vecherkovskii, V.V. *see* Beruchev, N.G. 4—61603
Vecsey, B. *see* Fodor, L. 4—52465
Vedam, K. *see* Das, M.B. 4—50065
Vedel, J., Cowache, P., Lincot, D. Studies of CdS photocells with electroplated Cu_xS 4—40449
Vedenov, A.A., Gladush, G.G., Drobyazko, S.V., Levchenko, E.B. Physical processes in the deep penetration of a laser beam into a metal 4—59656
Vedin, B.-A. Plastic cards with computers: France tries the method of payment of the future 4—51276
Vedral, J. A digital-analog converter featuring width modulation of the reference voltage 4—51333
Veelders, C.J. The link between tension and current: power electronics interrogates the question of distortion 4—46323
Veen, C.van *see* van Veen, C.
Veen, H.van der *see* van der Veen, H.
Veen, J.van der *see* van der Veen, J.
Veen, J.F.van der *see* van der Veen, J.F.
Veen, W.M.D.van *see* van Veen, W.M.D.
Veendrick, H.J.M., Pfennings, L.C., Annegarn, M.J.J.C., Harwig, H.A., Pelgrom, M.J.M., Peuscher, H.J.F., Raven, J.G., Slob, A., Slotboom, J.W. A 40 MHz 308 Kb CCD video memory 4—51236
Veeneman, D.E., BeMent, S.L. Automatic glottal inverse filtering 4—60004
Veenstra, L.B. *see* d'Orville, H. 4—38508
Veeser, L.R. *see* Kania, D.R. 4—34784, 4—57237
Veghel, A.C.van *see* van Veghel, A.C.
Veghte, R. *see* Schatz, J.F. 4—35103
Veilleux, C. *see* Bures, J. 4—31096
Veit, A., Chandler, D. Space telescope-solar array primary deployment mechanism 4—49920
Veith, G. *see* Gobel, E.O. 4—52985, 4—59511
Veith, P. Submarine cable measuring system 4—61225
Veith, R. *see* Ruppel, C. 4—52387
Vejbor, P. *see* Keprt, J. 4—61533
Vejtasa, S.A. *see* Loth, R.A. 4—49652
Velayudhan, C., Bundell, J.H. Characteristics and an application of a four quadrant time-division multiplier 4—55621
Velayudhan, C., Bundell, J.H. An electronic three-phase active and reactive power transducer 4—62254
Velayudhan, C., Bundell, J.H., Leary, B.G. An adaptive rotor resistance controller for wind-driven slip-ring induction generator 4—34675
Velazquez, R., Mukhedkar, D. Analytical modelling of grounding electrodes transient behaviour 4—56681
Velazquez, R. *see* Loeloeian, M. 4—62240
Velbeck, K., King, C.W., Tawil, R.A. A solid state neutron detector 4—39440
Velchev, N. *see* Nachev, I. 4—36340
Veld, S.in't *see* in't Veld, S.
Veld, S.H. *see* Chapman, J.E. 4—32839
Veld, S.H.In't *see* In't Veld, S.H.
Velde, J.C.van de *see* van de Velde, J.C.
Velde, J.C.van der *see* van der Velde, J.C.
Velde, J.C.Van de *see* Van de Velde, J.C.
Veldkamp, W.B. Laser radar beam control with holographic diffraction gratings 4—60914
Velebil, J., Dado, S. Resistive level sensor with automated error correction by means of a microcomputer 4—61324
Veleva, M. *see* Dontschev, S. 4—30127
Velghe, M. *see* Billardon, M. 4—47383
Velghe, M. *see* Deacon, D.A.G. 4—52829
Velghe, M. *see* Elleaume, P. 4—42500
Veliev, T.M. *see* Abasov, S.A. 4—36950
Velikotnyi, M.A. *see* Bryzgalov, V.A. 4—39312
Velikov, L.V. *see* Valiev, K.A. 4—51673
Velinger, A., Sohn, K., Denno, K. More on the parametric transformation of water-based ferromagnetic solutions for energy conversion 4—34942
Veliyev, E.I., Kovalenko, A.G., Khlopov, G.I., Shestopalov, V.P. Experimental investigation of the electrodynamic properties of an open cylinder in a rectangular waveguide 4—30071
Vella, P.J., Garel-Jones, P.M., Lowe, R.S. Measuring the chromatic dispersion of single-mode fibers: a compliance test method 4—52659
Vella-Coleiro, G.P. *see* Nelson, T.J. 4—37036
Vellante, M., Villante, U. Maximum entropy spectral analysis of artificial sinusoidal signals 4—39691
Vellante, M. *see* Cerulli-Irelli, P. 4—61924
Vellas, J.R. *see* Attal, J. 4—34002
Vellieux, B. Procedures and methods of manufacturing integrated circuits 4—47101
Vellieux, B. Integrated circuit fabrication processes and methods. II 4—52306
Velo, C. *see* Mahdavi, J. 4—57279
Veloni, A. *see* Kagarakis, C. 4—34932
Vel't, I.D., Lebedev, S.M. Calibration simulation and calibration tests of the ZOND electromagnetic flow-velocity meters 4—39360
Vel't, I.D. *see* Iordan, G.G. 4—39155
Veltri, P. On the groundwater pumping by using energy from the wind 4—62479
Velzy, C.O. Potential for energy recovery from solid wastes 4—49731
Vemuri, S., Kumar, A.B.R., Hackett, D.P., Eisenhauer, J., Lugtu, R. Fuel resource scheduling. I. Overview of an energy management problem 4—56504
Vemuri, S. *see* Kumar, A.B.R. 4—56505, 4—56506
Ven, E.K.van der *see* van der Ven, E.K.
Ven, J.van de *see* van de Ven, J.
Ven, V.L., Krysov, Yu.A. Partial aggregation in linear programming problems with variable parameters 4—57940
Venables, J.A. *see* Hanbucken, M. 4—30551
Venard, C. *see* Buhour, Y. 4—45713
Vendik, O.G., Gorin, Yu.N., Stepanova, M.G. Maximum value of the basic parameter of a SQUID in hysteresis-free operation with a microwave pump 4—52510
Vendik, O.G., Gusev, A.V., Ruban, A.S., Shpanskii, D.V. Low-frequency noise of strontium titanate in an alternating electric field 4—59073
Vendik, O.G., Zaionchkovskii, A.Ya., Zakharevich, N.I., Likholetov, Yu.V., Lunkin, B.V., Ruban, A.S., Ul'yanov, A.S. Use of strontium titanate single crystals to monitor the level of liquid helium in strong magnetic fields 4—55433
Venediktov, Yu.P. *see* Abuseridge, A.V. 4—57175
Venema, W.Z. Time and energy measurement with charge integrating ADCs 4—33750
Veneri, R. *see* Boggiatto, D. 4—44808
Venetsanopoulos, A. *see* Varoufakis, S. 4—51445
Venetsanopoulos, A.N., Nikias, C.L. Realization of two-dimensional digital filters by LU decomposition of their transfer function 4—53741
Venetsanopoulos, A.N. *see* Costa, J.M. 4—33828
Venetsanopoulos, A.N. *see* George, B. 4—41489
Venetsanopoulos, A.N. *see* Sohraby, K. 4—32107
Venetsanopoulos, A.N. *see* Varoufakis, S.J. 4—58460
Venetsanopoulos, A.N. *see* Zervos, N.A. 4—31822
Venger, A.P., Gosachinskii, I.V., Grachev, V.G., Ryzhkov, N.F. A study of the parameters of the RATAN-600 antenna and radio spectrometer at 21 cm 4—32876
Venger, A.Z., Gavrilova, N.I. Noise characteristics of distorting frequency multipliers 4—41535
Venghaus, H. Spatial dependence of dominant wavelength of $GaAs_{0.35}P_{0.65}$:N light emitting diodes 4—37240
Venikov, V.A., Glazunov, A.A., Tyukhanov, Yu.M. Mathematical models for optimisation of electricity supply schemes in automated design · projection 4—39838
Venikov, V.A., Orudzhev, F.D. Blurred similarity of fuzzily specified processes on power systems 4—45048
Venikov, V.A., Pogosyan, T.A. Automatically varying the integration step when calculating the lengths of transients in power systems 4—44996
Venikov, V.A., Pogosyan, T.A. The effect the instant of tripping a fault has on the validity of calculations of electromechanical transients in power systems 4—62065
Venikov, V.A., Shcherbina, Yu.V., Leporski, V.D. Distribution of the system for operative control of power consumption 4—56401
Venikov, V.A., Shcherbina, Yu.V., Leporskii, V.D. Distrubuted operative power consumption control system 4—56421
Venikov, V.A., Stroev, V.A., Shtrobel, V.A., Bogdanova, D.A., Gremyakov, A.A., Kalinin, S.D., Shul'zhenko, S.V. Employing an integrated model system in the development of automatic digital excitation control 4—40362
Venikov, V.A., Stroev, V.A., Strobel, W.A., Bodganova, D.A., Gremyakov, A.A., Kalinin, S.D., Shulzhenko, S.V. Use of a modelling package for development of digital automatic voltage regulation 4—45414
Venikov, V.A., Zelenokhat, N.I., Polyakov, M.A., Shakaryan, Yu.G., Bronshtein, E.L., Tsgoev, R.S., Dasheev, S.O., Miroshnikov, I.Yu. Comparing physical and mathematical models for simulating power transmission systems incorporating asynchronous rotary frequency converters 4—44995
Venikov, V.A. *see* Astakhov, Yu.N. 4—44964
Venkata Ramana Yogi, M., Ramkumar, K., Satyam, M. A simple method of compensation for increasing the operating temperature range of general purpose op amps 4—58173
Venkata Rao, K. *see* Moharir, P.S. 4—32841
Venkatapathy, E. *see* Rakich, J.V. 4—33915
Venkataraman, G. *see* Neelakantan, K. 4—51007
Venkataramana, A. *see* Ramshaw, R.S. 4—34106
Venkataratnam, L. *see* Murthy, R.S. 4—61995
Venkatesan, T., Brown, W.L., Wilkens, B.J., Reimann, C.T. Secondary electron, ion and photon emission during ion beam irradiation of polymer and condensed gas films 4—36398
Venkatesan, T., Lemaire, P.J., Wilkens, B., Soto, L., Gossard, A.C., Wiegmann, W., Jewell, J.L., Gibbs, H.M., Tarng, S.S. All-optical data switching in an optical-fiber link using a GaAs optical bistable device 4—53076
Venkatesan, T. *see* Taylor, G.N. 4—51960
Venkatesan, T. *see* Wolf, T.M. 4—51961
Venkatesan, V.K. *see* Arul Raj, I. 4—34871
Venkatesh, B. *see* Rinerson, D. 4—58342
Venkatesh, V.C. *see* Chen, J.Y.F. 4—58626
Venkateswara Rao, K. *see* Arul Raj, I. 4—34871
Venkateswaran, P.R., Thutupalli, G.K.M. Optical fibre systems—related to space applications 4—44078
Venkateswaran, P.R., Thutupalli, G.K.M. Fibre optical system in remote sensing instrumentation 4—44900
Venkatraman, S., Kanchan, V.R., Srinivasan, R., Rao, K.R. Discrete transforms via the Walsh-Hadamard transform 4—38018
Venkatramani, N. *see* Satyamurthy, P. 4—34941
Venkova, T. *see* Lieder, R.M. 4—39498
Venlet, N. *see* Lataire, P. 4—34779, 4—46366
Venters, R.A., Anderson, J.R., Cline, J.F., Hoffman, B.M. ENDOR with a loop-gap resonator 4—51530
Ventosa, C. *see* Bayes de Luna, A. 4—49248
Ventura, E. *see* Fazzini, N. 4—33570
Ventura, E. *see* Perez Ferreira, E. 4—33564
Venturini Zilli, M. Reduction graphs in the lambda calculus 4—40960
Venugopalan, K. NASICON and sodium-sulphur batteries 4—34863
Venus, W. *see* Bjelkhagen, H. 4—39468
Venuti, G.C., Casaccia, R., Grisanti, G., Risica, S., Laakso, I., Votano, L. An automatic device for counting a large number of tracks in CR39 4—55898
Venuti, G.C., Diociaiuti, M., Grisanti, G., Risica, S. Use of an Interactive Image Analysis System (IBAS) to analyze α-particle track energies in cellulose nitrate nuclear track detectors 4—55897
Veprek, J., Strnad, P. Stability of silicon diodes as temperature sensors in the range 4.2-273K 4—39135
Vera, A. *see* Pang, S.W. 4—58905
Vera, A. *see* Torrado, E. 4—49280
Vera, R.L.G. *see* Schaeper, W. 4—56841
Veraa, C.F. Factors affecting fiber optics reliability 4—48493
Verbeek, H., Eckstein, W., Schneider, P.J. The negative fraction of deuterium and helium scattered from a sodium surface 4—61637
Verbeek, P.W., de Jong, D.J. Simplified versions of a local Wiener filter 4—37940
Verbeek, W.J.P.A. *see* Oomen, G.L. 4—57613
Verber, C.M. Applications of integrated optics in industrial process control 4—59263
Verber, C.M. Integrated-optical approaches to numerical optical processing 4—60202
Verber, O.L. *see* Onishchenko, G.B. 4—34979
Verbitskaya, E.M., Voronova, I.M., Gorelov, S.S., Maksimov, Yu.P., Strokan, N.B. Properties of submicron layers formed in pure germanium by an ion-laser method 4—46938
Verdelho, H. Power production in large thermal power stations—control of construction time limits and environmental repercussions 4—45268
Verderber, R.R., Rubinstein, F.M. Comparison of technologies for new energy efficient lamps 4—57520
Verdiere, R.De *see* De Verdiere, R.
Verdu, S. Minimum probability of error for asynchronous multiple access communication systems 4—31823
Verdu, S. Optimum sequence detection of asynchronous multiple access communications 4—43370
Verdu, S., Poor, H.V. On minimax robustness: a general approach and applications 4—43315

Verdu Sanchez, J. An examination of the characteristics of an actual operational amplifier 4—29686
Verdu Sanchez, J. Studying the characteristics of an actual operational amplifier. VIII 4—35659
Verdu Sanchez, J. A programmable time base 4—51034
Verdue, S., Poor, H.V. On the inverse minimax filtering problem 4—43376
Veremeichenko, G.N. *see* Saenko, V.A. 4—46247
Verenchikova, R.G., Konstantinov, A.O. Franz-Keldysh effect in *p-n* junctions made of silicon carbide 4—58787
Verenchikova, R.G., Sankin, V.I., Radovanova, E.I. Influence of vacancies on the formation of surface barriers in SiC polytypes 4—30427
Veretannikov, S.B. Testing equipment for eddy-current structurescopes 4—33267
Vergara, G. *see* Antolini, R. 4—49253
Vergara-Dominguez, L. *see* Casar-Corredera, J.R. 4—34264
Vergez, P.L., Liefer, R.K. Target acceleration modeling for tactical missile guidance 4—49362
Verhaart, H.F.A., van der Laan, P.C.T. The influence of water vapor on avalanches in air 4—30239
Verhaeghe, M. *see* Orengo, G. 4—29656
Verhaeghe, M. *see* Pantani, J.P. 4—30058
Verhagen, F.C.M. *see* Rutgers, W.R. 4—50010
Verheij, C.M. SL-lamps, energy saving light source 4—45733
Verheij, J.W. The generation of noise in electric motors. An important phenomenon in construction 4—56907
Verhoeckx, N.A.M., Claasen, T.A.C.M. Some considerations on the design of adaptive digital filters equipped with the sign algorithm 4—35968
Verhoeckx, N.A.M. *see* van Gerwen, P.J. 4—54102, 4—54107
Verhoeven, J. *see* Lams, J.L. 4—62831
Verhoeven, J.A.Th. *see* Rooijmans, C.J.M. 4—44267
Verhoeven, J.D., Gibson, E.D., Laabs, F.C. Filament contact with in situ Nb_3Sn superconducting wire 4—52480
Verhulst, D. *see* Mouly, M. 4—43495
Verie, C. *see* Besson, J. 4—55459
Verite, J.C. *see* Bossavit, A. 4—31598
Verity, J.W. Surveying the mainframe landscape 4—43768
Verkhoglyad, V.E. *see* Mandryka, O.R. 4—34682
Verkhoturov, B.Ya. A highly accurate and simple method of measuring deviations from circularity with a microcomputer 4—61185
Verkhovets, A.K. *see* Doroshenko, N.A. 4—35457
Verkhovskaya, E.E. *see* Perevodchikov, V.I. 4—34757
Verkroost, G., Bosscha, G.J. On the measurement of quantization noise in digital filters 4—30023
Verkroost, G. *see* Butterweck, H.J. 4—30022
Verkuil, R.L. *see* Pak, M.S. 4—36481
Verma, D.K. *see* Flink, H.G. 4—50503
Verma, S.P. *see* Jordan, H. 4—34570
Verma, V.K. *see* Yadav, R.A. 4—45061
Vermeer, A. *see* Strasters, B.A. 4—33621
Vermeer, A. *see* van der Borg, K. 4—33593
Vermeulen, F.E., Chute, F.S. Electromagnetic techniques in the in-situ recovery of heavy oils 4—40600
Vermorel, J. *see* Royer, H. 4—37492
Vermot-Gauchy, R. *see* Galand, C. 4—53562
Vermot-Gauchy, R. *see* Galand, G. 4—48302
Vermote, F. *see* Catrysse, J.A.M. 4—44339
Vernay, J.-P. Data transmission: save space [on printed circuit cards] 4—43567
Vernay, J.-P. Decentralised acquisition of data 4—44457
Vernet, G., Henaux, J-C., Adde, R. Damping factor measurement of the Riedel singularity in niobium point contact Josephson junctions 4—37063
Vernet, G. *see* Henaux, J.-C. 4—59165, 4—59840
Verney, E. *see* Clechet, P. 4—30454
Vernik, S.M., Kurshev, N.V., Nikitin, B.K., Rudnitskiy, V.B. The measurement of crosstalk between trunk lines 4—32251
Vernon, P. Versatile multistandard modem 4—48314
Vernooij, B. *see* Klewer, M. 4—58369
Vero, L. *see* Csorgei, J. 4—33960
Verochkin, V.V. *see* Tiratsuyan, O.E. 4—49904
Verona, E. *see* Gatti, E. 4—59121
Veroy, B.S. Large scale network architecture synthesis: interactive strategy 4—32091
Veroy, B.S. Overall design of reliable centralized voice/data communication network 4—38159
Verpalen, J.L.P.W. *see* van Os, C.F.A. 4—58850
Verrazzani, L. *see* Corsini, G. 4—47707
Verrecchia, L., Moraine, M. Personal information terminals for professional use (new frontiers of office automation and telephony) 4—38183
Verrecchia, L., Moraine, M. Personal information terminal for professionals 4—43855
Verret, D.P. The problem of correlating Schottky-diode barrier height with ideality factor using I-V measurements 4—42028
Verriest, E.I. On redefining the optimal least squares filter under floating point operations 4—59907
Verseput, M. The HCLB engine as a remedy for air pollution 4—62365
Vershinin, Yu.P. *see* Aristarkhov, G.M. 4—46551
Vershinina, L.N., Meriakri, V.V. Devices for dielectric strip-line waveguide in the millimeter and submillimeter wavelength ranges 4—46608
Versteegen, C. *see* Murrenhoff, H. 4—57397
Versvik, I. *see* Gersho, A. 4—53522
Vertatschitsch, E., Haykin, S., Wong, K.M. Optimum nonredundant arrays in beamforming 4—31751
Vertesy, G. *see* Pardavi-Horvath, M. 4—37004
Vertesy, M. Effects of circuit manufacturing technology on the characteristics of microstrip waveguides 4—36009
Vertii, A.A., Derkach, V.N., Shestopalov, V.P. Study of quasioptical resonators by the spatial spectrum method 4—41560
Vertiy, A.A., Ivanchenko, I.V., Popenko, N.A., Shestopalov, V.P. Experimental investigation of the edge effects in open resonators in the millimeter range 4—30079
Vertman, A.A., Zorin, V.M. The problem of using the low-grade heat resources of nuclear power stations [green house applications] 4—40672
Vertushkin, V.K. *see* Tolstykh, G.N. 4—55486
Veruttipong, T.W. Computer simulation technique for the determination of the best location of airborne antennas 4—47692
Verwer, J.G. Contractivity of locally one-dimensional splitting methods 4—57988
Verwey, J.F. *see* Cuppens, R. 4—51243
Verwey, J.F. *see* Korma, E.J. 4—30465
Verzimacha, Ya.I., Kovalchuk, A.V., Kurik, M.V., Hamann, C., Mrwa, A. Solar cells of Schottky type with Ni-PbPc interface 4—34887
Verzwyvelt, S.A. *see* Lim, H.S. 4—40409
Vescovi, M. *see* Biagini, M. 4—47384
Vesecky, J.F., Durden, S.L., Napolitano, D.A., Smith, M.P. Theory and practice of ocean wave measurement by synthetic aperture radar 4—56325
Veselka, J.J. *see* Wilson, T. 4—31191
Veselov, G.I., Semenov, S.G., Blagoveshchenskiy, V.A. Unique features of the propagation of hybrid waves in a circular waveguide with a dielectric rod 4—53264
Veselov, V.M., Davydov, A.A., Skachkov, V.A., Chornyi, I.V., Volyak, K.I. Shipboard remote microwave measurements of internal waves 4—39714
Veselova, L.I. *see* Bannaya, V.F. 4—30312
Veselovskii, A.P., Donskii, A.V., Chernykh, Yu.K. Parameter optimisation of power components of thyristor inverters 4—49957
Veselovskii, V.B. *see* Amelichkin, V.N. 4—33868
Vesely, I. The state and development of the semiconductor industry 4—42020
Vesely, L. Secondary capacitance parameters of shielded cylindrical coils 4—46645
Vesely, V. Cable routes on pipe and cableway bridges 4—39888
Vesely, V., Soliman, K.M., Murgas, J. Decentralized suboptimal control for the complex power system by using modified Bellman-Lyapunov equation 4—62114
Vesely, V. *see* Soliman, K.M. 4—62115
Veshkurtsev, Yu.M. Evaluation of the errors in the determination of the statistical characteristics of phase fluctuations by an analyser with an ideal reference oscillation generating channel 4—31944
Vessot, R.F.C., Mattison, E.M., Imbier, E. Cold hydrogen maser research at SAO and related developments 4—37251
Vest, R.W. *see* Bi-Shiou Chiou 4—51674, 4—51675
Vestgaard, K., Olsen, J., Hansen, K. Streamer tracking 4—39725
Vestin, C.-G. *see* Insulander, J. 4—43559
Vet, R.J. *see* Chan, W.H. 4—56338
Vetokhin, S.S., Gulakov, I.R., Pispyak, Yu.V. Photomultiplier afterpulses 4—46779
Vetrano, F. *see* Grianti, F. 4—56143
Vetres, I. *see* Sora, C. 4—59700
Vetter, H. *see* Wulst, N. 4—48247
Vetter, W.J., Howse, D., Zielinski, A. Dispersion removal from marine shallow seismic responses 4—61949
Vetterli, M. Multi-dimensional sub-band coding: some theory and algorithms 4—47767
Vetterli, M., Nussbaumer, H.J. Simple FFT and DCT algorithms with reduced number of operations 4—60042
Vetterli, M. *see* Nussbaumer, H.J. 4—51460
Vettiger, P., Wilson, A.D. Dose stabilization technique in E-beam lithography 4—30485
Vettiger, P. *see* Daetwyler, K. 4—51945
Vettiger, P. *see* Forster, T. 4—31066
Vettiger, W., Kastien, H. Random access computer programming 4—29841
Veuhoff, E. *see* Kuech, T.F. 4—41945
Veveria, A.J. *see* Whight, K.R. 4—36487
Veveris, A.J., Coe, D.J., Whight, K.R. A 3D numerical simulation of MOST linear region parameters 4—36524
Veveris, A.J. *see* Coe, D.J. 4—36611
Veverka, A. Distribution of voltage along a resistance layer on the winding ends near the slot of HV rotating electric machines 4—56919
Vey, K. *see* Nieder, R. 4—45248
Veziroglu, T.N. *(editor)* 6th Miami International Conference on Alternative Energy Sources. Proceedings of Condensed Papers 4—29128
Vezirov, O.Yu. *see* Rasulov, T.M. 4—34720
Vezis, F. CSIRONET micronode policy 4—54351
Vezzani, P. The distribution system in an industrial department. From circuit design to realisation 4—45101
Vezzani, P. High peak currents in AC motor starting 4—57021
Vezzani, P. *see* Berno, S. 4—56409
Vezzoni, E. *see* Costa, B. 4—42331
V.F.Nakonechnyi *see* Nakonechnyi V.F.
V.G.Yastrebov *see* Yastrebov V.G.
Via, G. *see* Aliotta, C.F. 4—40845
Via, G.G. Long-life lanthanum hexaboride emitter for electron beam generation 4—46757
Via, G.G. *see* Fredericks, E.C. 4—51956
Vicard, D. *see* Jutand, F. 4—59986
Vicente, E. *see* Peralta-Fabi, Ri. 4—38110
Vichev, S.T. *see* Farkhi, S.L. 4—40284
Vichr, M. *see* Stubstad, J.A. 4—58535
Vicini, A. *see* Conta, C. 4—56031
Vicini, P. *see* Macchi, R. 4—32675
Vicini, P. *see* Moreno, L. 4—32663
Vickers, A. *see* Bozek, R. 4—32647
Vickers, H. *see* Smith, L.E., Jr. 4—43859
Vickers, R. *see* Psimenatos, N. 4—32205, 4—43588
Vickerton, J. Speech synthesis LSI 4—31939
Vico, L. *see* Benneton, M. 4—49176
Victor, A. *see* Fernando, J. 4—35081
Victorey, J.P. *see* Preckshot, N.E. 4—30765, 4—36830
Victory, H.D., Jr. *see* Neta, B. 4—35438
Vidal, E. *see* Morte, F. 4—47806
Vidal, J. A new development in coal-fired industrial boilers 4—40090
Vidal, J. *see* Vigil, O. 4—62709
Vidal Saint-Andre, B., Maurel, J., Michel, D., Rivierre, B. A multi-element primary feed system and associated switch device designed for TDMA communication satellites 4—42997
Vidal-Madjar, D. *see* Bernard, R. 4—56273
Vidal-Quadras, A., Ortega, M., Fernandez, F., Font, J.L., Casas, M., Baixeras, C., Gonzalo, M. Heavy ion isotope resolution with polymer detectors 4—55974
Vidal-Quadras, A. *see* Domingo, C. 4—55859
Vidali, P. *see* Certo, M. 4—49488
Vidaller, L. *see* Quemada, J. 4—33850
Vidlar, S., Ziaran, S. Analysis of the properties of the selected types of Czechoslovak made microswitches 4—30149
Vidrascu, T. Research on an electric ignition system with capacitive-type semiconductors 4—45724
Vidula, B.S. *see* Leonard, T.W. 4—38658
Vieceli, J.J. *see* Quan, V.. 4—37393
Viegas De Vasconcelos, A. Parallel processing in electric power system analysis 4—44960
Viehmann, W. *see* Butner, C.L. 4—52783
Vieira, C.L.C.S. Aging studies of paraffin-base transformer oil 4—36960
Vieira, S. *see* Camblor, P. 4—44588
Viele, A.A. *see* Dinwiddie, J.M. 4—52197
Vielmetter, W. Btx services of a large bank 4—54290
Viera, G. *see* Hora, H. 4—52868
Vierath, D. Dispatch reactive power and save dollars 4—44963
Vierath, D.R. *see* Burchett, R.C. 4—49565
Vierbacher, H. Central Control Unit GB 606 [for avionics systems] 4—61875
Vierbacher, H. *see* Greiner, G. 4—60650
Vierbaum, R. *see* Billet, R. 4—34395
Vieren, J.P. *see* Guldner, Y. 4—51855
Viergever, M.A. *see* van Giessen, J.W. 4—44715
Vierros, P. *see* Auerkari, P. 4—45311
Viertel, G. *see* Anderson, L. 4—55989
Viesti, G. *see* Prete, G. 4—49086
Vieten, M. Pressure sensors in thick film technology. New production process for high quality pressure sensors in large quantities 4—48851
Vietri, G., Penco, E., Marchetti, R., Salvetti, G. Hybrid TE-TEA sealed off CO_2 laser with corona preionization 4—37279
Vieujot-Testemale, E., Rasin, C., Brahim, A.B., Palau, J., Lassabatere, L. Contribution of the Si substrate and the oxidizing conditions to the Si/SiO_2 interface properties 4—30556
Vieujot-Testemale, E. *see* Raisin, C. 4—46963
Viezzoli, G. *see* Peisert, A. 4—33689
Vig, J.R. *see* Filler, R.L. 4—30899
Vig, J.R. *see* Rosati, V.J. 4—30918
Vigdorchik, V.Kh. *see* Mityushin, A.I. 4—39320
Vigdorovich, V.N. *see* Malyshkin, M.A. 4—30337
Viger, C. *see* Fleury, G. 4—46827
Vighi, A. *see* Orlando, A. 4—60341
Vigil, O., Calzadilla, O., Seuret, D., Vidal, J., Leccabue, F. $ZnIn_2S_4$ as a window in heterojunction solar cells 4—62709
Vignon, D., Teisseire, R. How operation data are handled to improve reactor operation and design 4—62293

Vigorovich, V.N. *see* Batura, V.P. 4—50771
Vigouroux, J.P., Laporte, D. Breakdown of high voltage generators: flashover 4—36924
Viitanen, J. *see* Dahlin, H. 4—44771
Vijaya Kumar, B.V.K. Lower bound for the suboptimality of cross correlators 4—53326
Vijayaraghavan, R. *see* Desai, P.B. 4—29539
Vijayvergia, S.K. *see* Acharya, B.L. 4—59747
Vijendran, P. *see* Santhanam, S.J. 4—29567
Vijh, A.K. Electrochemical reactions in power sources and sinks: personal reflections on progress and future prospects 4—34852
Vijh, A.K. *see* Belanger, G. 4—34818
Vikharev, V.D. *see* Aranchuk, L.E. 4—42755
Vikopoulos, T. *see* Lorenzen, H.W. 4—34963
Vikram, C.S., Billet, M.L. Optimizing image-to-background irradiance ratio in far-field in-line holography 4—53088
Viktoravichyus, V. *see* Bareikis, V. 4—46858
Viktorov, L.V., Kovshov, A.N., Kruzhalov, A.V., Kuznetsov, A.Yu., Skotnikov, V.A. Multichannel device for analysing shape of light pulses 4—61306
Viktorov, V.V., Karadzhali, T.M., Chursin, A.S. Device for measuring the speeds of explosion-driven bodies 4—55702
Viktorova, I.M. Method of improving the procedure for checking the MOD-61 bridge 4—55583
Viktorovitch, P. *see* Krawczyk, S. 4—30323
Vikulin, I.M., Glauberman, M.A., Kozel, V.V., Kanishcheva, N.A. Investigation of two-collector magnetothyristors 4—52078
Vilanova, D. *see* Brand, C. 4—33639
Vilar, E., Haddon, J. Measurement and modeling of scintillation intensity to estimate turbulence parameters in an Earth-space path 4—47589
Vilar, E., Moulsley, T.J., Austin, J., Hewitt, A., Norbury, J.R., Barton, S.K. A system to measure LOS atmospheric transmittance at 19 GHz 4—31665
Vilar, E., Smith, H., Jones, G.D., Al-Ahmad, H.A.M. CERS. Millimetre-wave beacon package and related payload Doppler correction strategies 4—38579
Vilar, E. *see* Lo, P.S.L. 4—31637
Vilcans, J. *see* Kalafus, R. 4—38719
Vilcheck, W.S. Harmonic analysis of a steelmaking plant power system serving DC arc furnaces 4—56604
Vilcot, J.P., Decoster, D., Raczy, L., Constant, M. Noise and dynamical gain studies of GaAs photoconductive detectors 4—33306
Vile, P. Considerable economy to be achieved by means of distribution voltage regulation 4—39775
Vilela Pinto, L.M. Protection of persons by using apparatus sensitive to the residual-differential current: some aspects to be considered in designing and operating installations 4—45545
Vilenchik, L.S., Deviatovsyk, V.G., Demin, B.B., Zverev, Yu.V., Krivosheev, M.I., Marein, P.L., Tret'ilak, S.A. New signal noise meters 4—39195
Vilenskii, G.B., Tikhonov, V.Ya., Prosmytskaya, L.E. Simulation model for interactions between devices in a measuring-computing complex 4—48720
Vilesov, D.V. *see* Bogach, V.G. 4—62039
Vilholm, F. Greenland's water power in the energy supply context 4—45332
Viljoen, F. Beltel—a new information service 4—54175
Villa, F.F. Second breakdown in power integrated circuits: problems 4—52064
Villa, G. *see* Alzetta, G. 4—33968
Villa, G. *see* Charalambous, P.M. 4—39424
Villa, J.G. *see* Sanchez Dominguez, J. 4—49238
Villalba, C.R., Sanchez, M.C., Zamarro, J.M., Martin, E. Non-circuit model of reaction type cavity resonators 4—46604
Villalba, J.R., Monteiro, R.C., Raiunec, A.E., Gummer, J.H., Baroux, J.P. Use of re-use of Itaipu's diversion gates. I 4—45334
Villani, F. *see* De Julio, U. 4—32196
Villante, U. *see* Cerulli-Irelli, P. 4—61924
Villante, U. *see* Vellante, M. 4—39691
Villar, E. *see* Basu, M. 4—55958
Villar, E. *see* Ghosh, d. 4—33747
Villarruel, C.A., Abebe, M., Burns, W.K., Moeller, R.P. In-line birefringence fiber polarizer 4—52608
Villata, F. *see* Ferraris, P. 4—49895
Villata, F. *see* Vagati, A. 4—56982
Villien, B., Loschi, R. The reliability of the connectors for printed circuit boards 4—58599
Vilnrotter, V.A., Rodemich, E.R. A generalization of the near-optimum binary coherent state receiver concept 4—43116
Vimalan, V.J. *see* Smith, M.F. 4—35898
Vinakov, A.F. *see* Petrov, L.P. 4—57024
Vinal, A.W. Magnetically shielded twin-track magnetic read head structure 4—31000
Vinarub, E.E. Finding bit error rates in LANs 4—43004
Vinarub, E.I. *see* Krohn, D.A. 4—39138
Vinatier, C. *see* Dubost, G. 4—31761
Vinayagalingam, T. Dynamic force measurement with a hydraulic force balance valve 4—48870
Vincenot, E., Robineau, P. CAD of high power loudspeaker cabinets for concert sound reinforcement 4—44348
Vincent, A.B. *see* Martin, J.M. 4—52766
Vincent, D., Otis, G. General planar guiding structure at 10.6 μm 4—52690
Vincent, E. *see* Argan, P. 4—33693
Vincent, W.R., Clemmensen, J.M., Bollen, R.L. The measurement of radio noise associated with distribution lines 4—33455
Vincentz, M. Electronics applications [biomedical] 4—44705
Vinck, A.J. A low complexity stack decoder for a class of binary rate (n-1)/n convolutional codes 4—37867
Vinck, A.J. A low complexity stack decoder for a class of binary rate $(n-1)/n$ convolutional codes 4—47761
Vincze, A.D. Application of spurious zone analysis to EHF SATCOM terminal IF selection 4—37655
Vincze, G. *see* Toke, G. 4—34649
Vindeby, J. Protective earthing under tension 4—62229
Vine, E. *see* Cramer, J.C. 4—50234
Vingyalis, L.L. *see* Ashmontas, S.P. 4—30414
Vinhas, L.A. *see* Mestnik Filho, J. 4—56037
Vinkler, A. *see* Shadmon, G. 4—39636
Vinnikov, A.Ya., Savushkin, V.N., Meshkov, A.M. Frequency dispersion of the conductivity of a disordered polycrystalline semiconductor 4—36244
Vinogradov, B.V. *see* Yakovlev, E.N. 4—55743
Vinogradov, I.P. *see* Bibinov, N.K. 4—31334
Vinogradov, N.V. *see* Glukhov, N.A. 4—58089
Vinogradov, S.S., Sulima, A.V. Calculation of the absorption cross section of a partially shielded dielectric sphere 4—59735
Vinogradov, V.V. *see* Frukhtman, M.L. 4—33431
Vinogradov, Ye.A., Golovanov, V.I., Irisova, N.A., Latyshev, A.B. Thermal recording of an electromagnetic field by thin conducting films 4—33319
Vinogradova, L.N. *see* Brikman, M.S. 4—58100
Vinogradova, N.V. *see* Zobkov, S.N. 4—36004
Vinokhodov, A.Yu. *see* Baranov, V.Yu. 4—42557
Vinokurov, V.A. *see* Aksenov, E.T. 4—32880
Vinokurova, L.N., Gromova, S.N., Petrikevich, L.V., Prokof'ev, E.V. Investigation of slow states in the InSb-(Al_2O_3+SiO_2) system by the field effect method 4—30449
Vinter, B. Subbands in back-gated heterojunctions 4—58782
Vinter, B. *see* Toan Thang, N. 4—51841
Vinyes, J. *see* Quemada, J. 4—33850
Viola, G. *see* Drufuca, G. 4—30072
Viola, J.P. *see* Channin, D.J. 4—54816
Viola, J.P. *see* Sergi, J.B. 4—32819
Virano, A. *see* Allegro, G. 4—31426
Virdee, L., Main, E., Smagala, T. INTELSAT V Attitude Determination and Control Subsystem flight simulator 4—44825
Virk, H.S. *see* Modgil, S.K. 4—55874, 4—55930
Virk, H.S. *see* Singh, M. 4—56214
Virk, H.S. *see* Singh, N.P. 4—55864, 4—56221
Virk, H.S. *see* Surinder Singh 4—56215
Virskii, S.A. The probability approach to selecting the operating principle for interface-fault protection of motors 4—49837
Virt, I.S. *see* Andrukhiv, M.G. 4—46872
Virtmanis, A.S. *see* Bekeris, Yu.Ya. 4—58808
Vishen, A. *see* Bhatnagar, P.K. 4—40451
Vishenchuk, I.M., Gupalo, A.V., Tkachenko, V.F. Measuring AC voltage converters of the V7-35 voltmeter 4—33359
Vishkin, U. *see* Gurevich, Y. 4—57923
Vishnev, I.P., Glebov, I.A., Kalitin, P.P. Large superconducting electric devices: cooling techniques and reliability 4—62489
Vishnevetskii, Ya.M. *see* Rubinson, Ya.G. 4—40084
Viskanta, R. Heat transfer problems in some advanced power systems 4—49712
Visontay, I. Questions of safety in the use of welding robots 4—50447
Visschere, P.de *see* de Visschere, P.
Visschers, J.L. *see* Distelbrink, J.H.J. 4—33666
Visser, E.G. Effect of uniaxial tensile stress on the permeability of monocrystalline $MnZnFe^{II}$ ferrite 4—30969
Visser, E.G. Analysis of the complex permeability of monocrystalline $MnZnFe^{II}$ ferrite 4—47177
Visser, J.L. *see* Girard, M. 4—55741
Vissiere, C. Must one have faith in prediffused networks? 4—29754
Visvanathan, V., Sangiovanni-Vincentelli, A. A computational approach for the diagnosability of dynamical circuits 4—50892
Viswanathan, R., Gupta, S.C. Simulation of non-parametric receivers for FH-MFSK mobile radio 4—32713
Viswanathan, R., Wilson, A.D., Lafuente, J., Voelker, H., Kern, A. Electron beam pattern writer for X-ray masks 4—51932
Viswanathan, V.R., Karnofsky, K.F., Stevens, K.N., Alakel, M.N. Multisensor speech input for enhanced immunity to acoustic background noise 4—59978
Vita, L. *see* Demartini, C. 4—54411
Vita, L. *see* Faro, A. 4—38332, 4—38333
Vita, P.di *see* di Vita, P.
Vita, P.Di *see* Di Vita, P.
Vita, R.Di *see* Di Vita, R.
Vitale, S. *see* Benso, S. 4—33641
Vitale, S. *see* Darbo, G. 4—55983
Vitanov, T. *see* Nikolova, V. 4—34869
Vitello, P. A high harmonic, low field gyrotron: comparison between the cyclotron maser and peniotronlike interactions 4—41770
Vitello, P., Miner, W., Drobot, A.T. Theory and numerical simulation of a compact, low field, high frequency gyrotron 4—51700
Vitello, P., Miner, W.H., Drobot, A.T. Theory and numerical modeling of a compact low-field high-frequency gyrotron 4—41755
Vitello, P. *see* Furuno, D.S. 4—41768
Vitello, P. *see* McDermott, D.B. 4—36193
Vitello, P. *see* Miner, W. 4—41775
Viterbi, A.J., Omura, J.K. Error bounds for intersymbol interference channels 4—37801
Vithayathil, J. *see* Gopakumar, K. 4—50130
Vithayathil, J. *see* Sathikumar, S. 4—49868
Vithayathil, J. *see* Schmitz, C. 4—51173
Vitinger, J. *see* Keprt, J. 4—61533
Vitkavage, D.J., Ameen, M.S., Mayer, T.M. SIMS study of ion assisted etching of Si by Cl_2 4—46944
Vitoshka, V.I. *see* Onishchenko, V.Ya. 4—56832
Vitovec, P. Automation of power equipment. List of references of export deliveries 4—45387
Vittal, V., Michel, A.N., Fouad, A.A. Power system transient stability analysis: formulation as nearly Hamiltonian systems 4—44959
Vittal, V. *see* Michel, A.N. 4—34017, 4—49551
Vittor, P.De *see* De Vittor, P.
Vittorelli, J.de *see* de Vittorelli, J.
Vivas, J.M.Puchol *see* Puchol Vivas, J.M.
Vivaudou, M.B. *see* Shahnarian, A. 4—44714
Vivenzio, T.A., Rossi, J.V. Combined cycle coal gasification: options for power plants 4—34390
Vivenzio, T.A. *see* Cummings, R.C. 4—49767
Vives, A. *see* Antuenz, F. 4—49254
Viviani, A., Viviani, R. A generalized formulation of classical electrodynamics for the derivation of macroscopic Maxwell equations 4—31549
Viviani, A. *see* Girdinio, P. 4—29396, 4—29397, 4—34613, 4—56963
Viviani, G.L. Optimal generation scheduling subject to integral constraints on fuel 4—62273
Viviani, G.L. *see* Lin, C.E. 4—56449
Viviani, R. *see* Viviani, A. 4—31549
Vivien, D., Lejus, A.-M., Thery, J., Collongues, R., Aubert, J.-J., Moncorge, R., Auzel, F. Observation of the continuous laser effect in $La_{0.9}Nd_{0.1}MgAl_{11}O_{19}$ aluminate single crystals (LNA) grown by the Czochralski method 4—42591
Viyogi, Y.P. Data acquisition systems around a cyclotron laboratory 4—33191
Vizvari, B. The heuristic methods of discrete programming. I. The method of neighbourhood 4—29371
Vizy, K.N. Digital radiography systems 4—49155
Vlad, N., Dogaru, M. A new type of electrical motor 4—62564
Vladimirov, A.I. *see* Saenko, V.A. 4—46247
Vladimirov, F.L. *see* Pletneva, N.I. 4—31192
Vladimirov, L.V., Dmitriev, G.I., Rusina, G.M., Kozlov, A.A., Pimenov, L.A., Khlebtsevich, V.Yu. An exposure meter for tomography and the Rentgen-50-2 diagnostic suite 4—33802
Vladimirov, V.B. *see* Vasil'ev, A.B. 4—62430
Vladimirskii, S.A., Nasedkina, A.Ya., Filippov, I.F. Development of ventilation systems for large hydroelectric generators 4—40149
Vladimirskii, S.A., Nasedkina, A.Ya., Filippov, I.F. Development of large hydroelectric generator ventilation systems 4—45331
Vladimirsky, Y., Kallne, E., Spiller, E. Fabrication of free-standing X-ray transmission gratings and zone plates 4—53091
Vladkov, E.P. Improvement of the stability of colour line synchronization SECAM 4—44236
Vladut, S.G. *see* Katsman, G.L. 4—43102
Vlaeminck, R. *see* Liehr, M. 4—46972
Vlasak, W., Pfister, G. A fiberoptic local-area-network solution for tactical command and control systems 4—60836
Vlasenko, I.A. *see* Kovan'ko, Yu.K. 4—39895
Vlasenko, L.S. *see* Bagraev, N.T. 4—46820, 4—58011
Vlasenko, N.A. Interference in thin radiating layers and its application to thin film electroluminescent devices 4—61455
Vlasenko, N.A., Guga, K.Yu., Malyutenko, V.K. Optoelectronic magnetic-field-sensitive element 4—61510
Vlasov, A.B. *see* Zienko, S.I. 4—46383
Vlasov, A.I. *see* Ivanov-Smolenskii, A.V. 4—40220, 4—62505
Vlasov, A.P. *see* Danilov, S.N. 4—40098
Vlasov, A.V. *see* Varakin, L.Ye. 4—31702
Vlasov, E.A., Prigoda, B.A., Khudyakov, A.Yu. Improvement of VSWR measurement accuracy using an in-built reflectometer 4—44601
Vlasov, G.K. Frequency tuning of far-infrared radiation on hot excitons 4—37350

Vlasov, I.B., Kuz'mina, Ye.K., Solov'yev, G.N. Sequential detection of a signal in multichannel systems by using combined statistics 4—47866
Vlasov, M. *see* Arefiev, A. 4—55843
Vlasov, M.V. *see* Vtyurin, Yu.N. 4—40680
Vlasov, V.A., Karimov, Yu.S. Method of investigating the electrical conductivity of specimens at high temperatures 4—49005
Vlasov, V.G. *see* Lopukhov, S.N. 4—58096
Vlasova, N.A. *see* Belousova, T.Ya. 4—49072
Vlasova, S.A. *see* Vysotskii, S.P. 4—40675, 4—57670
Vlcek, J.C. *see* Kanbe, H. 4—42040
Vlcek, M., Nuclicek, V. Determining the anticipated electric power generation of power-producing units by the cumulant method 4—56802
Vliet, C.M.van *see* van Vliet, C.M.
Vliet, C.M.Van *see* Van Vliet, C.M.
Vlist, P.van der *see* van der Vlist, P.
V.N.Rastorguev *see* Rastorguev V.N.
Vo, B. *see* Huynh, H.T. 4—31834
Vo, T. *see* Kadekodi, N. 4—55279
Vodakov, Yu.A., Mokhov, E.N., Oding, V.G. Interstitial diffusion of B and Be in SiC 4—41966
Vodotovka, V.I. *see* Skripnik, Yu.A. 4—44639
Vodovatov, I.A. *see* Aksenov, Ye.T. 4—47315
Vodovatov, I.A. *see* Petrun'kin, V.Yu. 4—42873
Vodovozov, A.M., Labichev, V.N. Controllable random-pulse generator 4—48913
Voegelin, M.R., Bisi, G. Analysis of counts statistical distribution to automatically process 'first-pass' scintigraphic cardiac studies 4—49190
Voegelin, M.R., Bisi, G., Bartoli, C. Automatic processing of equilibrium angiocardiography using factorial analysis 4—49271
Voelker, E.J., Teuber, W. Monitoring speakers for control rooms 4—44345
Voelker, E.-J. Proposal for a standard control room 4—44346
Voelker, H. *see* Naumann, R. 4—44575
Voelker, H. *see* Viswanathan, R. 4—51932
Voelskov, M. *see* Scharff, W. 4—29512, 4—41061
Voelskow, M. *see* Kachurin, G.A. 4—41969
Voelskow, M. *see* Klabes, R. 4—35494
Voevodin, M.A., Volkov, V.I., Zinov'ev, L.P., Kovalenko, A.D., Korukov, N.A., Kulikov, I.I., Romanov, Yu.I., Saifulin, Sh.Z., Tikhomirov, Yu.I. Multichannel automated system for measuring the nonuniformity index of the magnetic field of a synchrophasotron 4—33577
Voge, J.P. From the information society to the communication society 4—32165
Voge, K.H. The technique and applications of wide band communication networks in the office 4—54442
Vogel, A. The dictation instrument. Its history and present day models 4—48660
Vogel, A. *see* Oehmigen, D. 4—35752
Vogel, H. *see* Becker, K. 4—38712
Vogel, H. *see* Kleiber, H. 4—38702
Vogel, H.F., Preis, H. Study on diffusion of the vertical magnetic field in the toroidal stabilizing shell and plasma of the ZT-40M reversed field pinch device 4—31600
Vogel, M. *see* Mastrangelo, C. 4—42257
Vogel, N., Hoft, H. Arc ignition across electric contacts under medium loads 4—41644
Vogel, R., Pollari, G. Planar annular surface wave transducer [for acoustic microscopy] 4—56363
Vogel, R.H. *see* Agarwal, A.K. 4—36634
Vogel, T. *see* Salzmann, H. 4—37430
Vogel, W.J., Davis, J.H., Mayer, C.E. Line-of-sight observations at 86 GHz with a very large and a small antenna 4—31639
Vogelei, K. Galvanic signal separation in measuring and regulating circuits 4—33222
Vogeley, M. Computer-supported quality planning in goods intake and in production 4—40881
Vogeley, M. Computer supported quality testing in goods intake and in production 4—57862
Vogelius, M. *see* Babuska, I. 4—46200
Vogelsang, C.H., Hogin, J.L., Notthoff, J.K. Yield analysis methods for GaAs ICs 4—30816
Vogelsong, T.L., Tiemann, J.J., Steckl, A.J. A narrowband charge domain bandpass filter 4—58472
Voges, E., Neyer, A. Integrated optical oscillators and multivibrators 4—37166
Vogler, J. *see* Mueller, L.W. 4—49371
Voglis, E.E. *see* Olver, A.D. 4—37756
Vogt, D. *see* Goll, W. 4—45809
Vogt, W. *see* Zogg, H. 4—50751
Vohrer, M. Duplex radiotelephone test sets SMFP 2 and SMFS 2 4—60393
Voicu, G., Tantareanu, C., Tudor, M. SAG type wind generator unit 4—49818
Voiculescu, E. Precision generator for plotting polarisation curves in electrolytic processes 4—55501
Voidenov, N.N. Operational experience with cables of power transmission lines of 110 kV and higher 4—39876
Voigt, C. Material and energy requirements of solar hydrogen plants 4—40161
Voigt, H. Amplitude statistics of a magnetic tape storage channel 4—42259
Voigt, H. Optimization of the magnetic tape storage channel with multiplicative interference 4—42260
Voigt, R.J. Self-defining cables 4—51659
Voinov, V.R. Studies on an unsymmetric stripline 4—36006
Voisin, P. Optical studies of semiconductor superlattices 4—58784
Voiskunskii, V.G. Distance in n-dimensional vector space and search characteristics 4—29362
Voitek, P., Senderakova, D., Shtrba, A. Forming of a laser beam for investigation of nonlinear optical phenomena 4—42687
Voitekh, A.A., Baranovskii, V.M. Allowance for the undamped magnetic field of the rotor in a transient process of a reversible-pole asynchronous motor 4—57023
Voitekh, A.A. *see* Krasnoshapka, M.M. 4—62590
Voitenkov, A.I., Mogilevich, V.N. Determination of the refractive index profile of few-mode planar waveguides 4—42389
Voitik, M.G., Gorshkov, B.G., Kutakhov, V.P., Sen'ko, V.V. Effects of heating on optical losses in a curved fiber light pipe 4—37138
Voitovich, A.P., Kalinov, V.S. Characteristics of lasers with condensed active media having linear anisotropy induced by polarized pumping radiation 4—42580
Voitovich, A.P., Kalinov, V.S., Smirnov, A.Ya. Competition of counter-propagating waves and emission spectrum of a ring laser with selective losses produced by the resonance phase-polarization method 4—42542
Voits, M. *see* Depping, F. 4—50143
Voitsekhovskii, A.V., Kokhanenko, A.P., Koverchik, S.F., Lilenko, Yu.V., Petrov, A.S. Characteristic features of the behavior of electron-irradiated $Hg_{1-x}Cd_xTe$ crystals subjected to various heat treatments 4—30340
Voitsekhovskii, A.V., Kokhanenko, A.P., Lilenko, Yu.V. Annealing of radiation defects in $Hg_{1-x}Cd_xTe$ crystals irradiated with electrons 4—58728
Vojak, B.A., McClelland, R.W., Lincoln, G.A., Calawa, A.R., Flanders, D.C., Geis, M.W. A self-aligned dual-grating GaAs permeable base transistor 4—52072
Vojak, B.A. *see* Rathman, D.D. 4—47012
Vokhmin, V.P., Yakovkin, I.B. Analysis of the temperature stability of the frequency of an SAW oscillator 4—41240
Vokurka, K. On the group pulse processes. III. Power spectrum of the processes with independent intervals 4—29348
Volchukov, N.P. *see* Elksnis, V.Ya. 4—40268
Volf, P. The properties of the MHB 8804 IC and its utilization 4—43883
Volf, Z. Prediction of population growth 4—48014
Vol'fkovich, Yu.M. *see* Livshits, E.S. 4—34857
Volk, A.M. *see* May, B.A. 4—29957
Volke, M. *see* Reiss, W. 4—41415
Volker, F. *see* Krause, W. 4—59383
Volker, H. Electrochemical corrosion on construction components of low voltage networks 4—34172
Volkmann, H. *see* Guendel, H. 4—47423
Volkonskii, V.A., Kuzovkin, A.I. On electric energy rates from the standpoint of optimum planning theory 4—39782
Volkonskii, V.A., Kuzovkin, A.I. On electric energy tariffs from the point of view of optimum planning theory 4—44988
Volkonskii, V.B., Popov, Yu.V., Chizhov, S.A., Chiritso, S.G., Yakovlev, V.V. Use of a YAG:Nd^{3+} laser in distance measurement by a dispersion method 4—61539
Volkov, A.S., Plyaskin, B.G., Tsarenkov, B.V., Tsarenko, G.V. Characteristics of the photoelectric effect in a variable-gap structure with a potential relief in the case of a photon transport of nonequilibrium carriers 4—30421
Volkov, A.S. *see* Ermolov, I.N. 4—62020
Volkov, S.N. *see* Akerman, D.R. 4—39401
Volkov, V.I. *see* Voevodin, M.A. 4—33577
Volkova, L.P. *see* Malyushevskii, P.P. 4—36922
Volkova, N.V., Ovchinnikov, V.V., Ornov, V.G., Shcheslavskii, D.V. Increasing the effectiveness of operational control and management of the USSR Unified Electric Power System 4—39813
Volkova, N.V. *see* Brechko, N.S. 4—39817
Voll, A.R. *see* Kocher, E.C. 4—62886
Volle, V.M. *see* Bagraev, N.T. 4—58011
Vollmann, W., Mahnke, G. The automatic discovery of contours in ultrasonic pictures of the heart 4—33825
Vollmer, H.P. *see* Bimberg, D. 4—37361
Vollrath, R. Retro-fitting measures completed early at Brunsbuttel nuclear power station—with particular emphasis on pipework 4—56732
Volobuev, A.L. The use of a microcomputer in engineering calculations [turbogenerator characteristics] 4—40196
Volobuev, Yu.S. *see* Bobrikov, Yu.V. 4—45784
Volodarskii, E.T. Reducing the effects of error in a standard quantity on a check result 4—55135
Volodin, V.D., Glagoleva, N.S., Dement'ev, E.A., Kuznetsov, A.A., Matyushevskii, E.A., Matyushin, A.T., Matyushin, V.D. Electron streamer tracks in neon under pressure 4—39475
Volokhov, A.A. *see* Andreeva, N.F. 4—35633
Voloshchenko, Yu.I., Ryzhov, Yu.N., Sotin, V.E. Extremely slow stationary pulses in a periodically modulated medium with an active nonlinearity 4—53249
Voloshin, V.V. *see* Boyar-Sozonovich, S.P. 4—45441
Volovik, V.D., Ivanov, S.I., Tsepilov, G.V. Electroacoustic magnetometer 4—48862
Vol'pov, K.D., Sozinov, A.V., Khalilov, F.Kh. Results of measuring input capacitance in 35-750 kV transformers and reactors 4—40305
Volturo, C. *see* Shah, N.M. 4—57475
Voltz, W.R. *see* Nutter, R.S., Jr. 4—50456
Vol'venkina, A.N. *see* Levit, I.G. 4—40091
Volyak, K.I., Gorshkov, A.S. Parametric excitation of low-frequency wave turbulence in a slightly dispersive LC-line 4—42892
Volyak, K.I. *see* Bunkin, F.V. 4—39720
Volyak, K.I. *see* Veselov, V.M. 4—39714
Volyar, A.V. *see* Bykov, A.M. 4—47290
von Alpen, U., Nijhawan, S.C., Lauck, H. An advanced Li/CrO_x battery—an ideal system for electronic applications 4—57313
von Bally, G., Schmidthaus, W., Sakowski, H., Mette, W. Gradient-index optical systems in holographic endoscopy 4—47516
von Bochmann, G. *see* Sarikaya, B. 4—47927
von Buchstab, V. Superchips head for new standards 4—51262
von Cleve, H.-H. The air-cooled condensing plant at the 4000 MW Matimba Power Station in South Africa 4—56819
von der Decken, C.B. *see* Barnert, H. 4—45255
von der Embse, U.A. Galileo probe relay receiver: acquisition and tracking 4—55285
von der Haar, F., Heitmeier, R., Rath, D. Microprocessor-controlled, volumetric ultrafiltration with a haemodialysis unit 4—56179
von Freydorf, E. Security systems and building control systems, limits of integration 4—35266
von Golitschek, M., Schneider, H. Applications of shortest path algorithms to matrix scalings 4—46123
Von Holle, A.L., Schoen, J.W. Performance of laser-scribed grain-oriented silicon steels in model stacked transformer cores 4—31025
von Klitzing, K. *see* Obloh, H. 4—51839
von Klitzing, K. *see* Stein, D. 4—51852
von Klitzing, K. *see* Tausendfreund, B. 4—51838
Von Laven, S., Segall, S.B., Ward, J.F. Cavity design for a two-stage FEL 4—37273
Von Laven, S., Segall, S.B., Ward, J.F. A low loss quasioptical cavity for a two-stage free electron laser (FEL) 4—47475
Von Laven, S. *see* Segall, S.B. 4—47375
von Lehmen, A., Wojtczuk, S., Wagner, D.K., Ballantyne, J.M. Studies of high speed photodetectors in III-V compounds 4—59333
von Lohneysen, H. *see* Thoren, W. 4—51785
von Molnar, S., Holtzberg, F., Briggs, A., Flouquet, J., Remenyi, G. The metal insulator transition in the magnetic semiconductor: $Gd_{3-x}V_xS_4$ 4—30383
von Olshausen, R. *see* Selle, F. 4—62201
von Ortenberg, M., Bauer, G., Elsinger, G. Magnetooptical investigations of intraband transitions in n-$Pb_{1-x}Mn_xTe$ 4—36305
von Raben, K.U., Lee, K.C., Chang, R.K., Benner, R.E. Enhanced Raman scattering from cesium suboxides in photocathodes: Ag—O—Cs (S-1) and Bi—Ag—O—Cs(S-10) 4—41746
von Roos, O., Luke, K.L. Analysis of the electron-beam-induced current of a polycrystalline *p-n* junction when the diffusion lengths of the material on either side of a grain boundary differ 4—51826
von Seelen, W. *see* Stein, N. 4—33826
von Seggern, H. Improved surface voltage uniformity on electrets obtained by modified corona charging method 4—52441
von Seggern, H., West, J.E., Kubli, R.A. Determination of charge centroids in two-side metallized electrets 4—49007
von Thun, H.J. Dynamic simulation of combustion engines on the all-electric test rig 4—49718
von Weizsacker, C.C. Pricing issues in telecommunications 4—43601
Von Wienskowski, J. *see* Hersener, J. 4—42374
von zur Gathen, J. Representations of rational functions 4—29433
von zur Gathen, J. Hensel and Newton methods in valuation rings 4—46181
Vonarburg, H. Swiss research centre for microelectronics and microengineering 4—35217
Vondrak, J. Lithium batteries 4—62682
Vondrak, J., Bludska, J. Electrochemical displays 4—61472
Vong Kha Bat' *see* Bat' Vong Kha
Vonk, W.J.A. AEROPP 0 message and data switch for smaller airports 4—48352
Vonno, N.W.Van *see* Van Vonno, N.W.
Vooren, E.J.Van *see* Van Vooren, E.J.
Voorhees, J.W., Bucher, N.M., Huff, E.M., Simpson, C.A., Williams, D.H. Voice interactive electronic warning system 4—44850
Voorst, J.D.W.van *see* van Voorst, J.D.W.
Voort, E.van der *see* van der Voort, E.
Voort, F.M.van der *see* van der Voort, F.M.

Voorthuyzen, J.A., Bergveld, P. The consequences of the application of a floating gate on DC-MISFET characteristics 4—47049
Voos, M. *see* Guldner, Y. 4—51855
Vopilkin, A.Kh. *see* Ushakov, V.M. 4—41131
Vora, H. *see* Jensen, R.J. 4—58650
Vora, K.N. *see* Spangler, G.E. 4—50451
Vorbach, A. How is it possible to gain the upper hand on system disturbances? [power supply interruption] 4—39928
Voren, E.J.Van *see* Van Voren, E.J.
Vorm, K. A production VLSI design CAD system 4—29593
Vorm, K. A Calma/General Electric VLSI design CAD system 4—59042
Vornberger, O. *see* Leung, J.Y.-T. 4—50667
Vorobchievici, V. *see* Stoian, M. 4—49812
Vorobel', R.A. Some properties of pulse-discharge multipliers 4—51068
Vorob'ev, A.M., Eliseyev, V.O. Nonlinear analysis of ladder (C-parallel) RC-coupled self-excited oscillators and of a self-excited oscillator with a distributed RC-circuit 4—35676
Vorob'ev, A.S., Denbnovetskii, S.V., Zaidman, S.Sh., Kirpichnikov, V.A., Kozlov, E.A., Kirzhanovskii, V.I., Kuz'michev, A.I., Rybin, V.N., Shendakov, A.I. Multichannel discharger with self-synchronization 4—57297
Vorob'ev, A.V. *see* Eperin, A.P. 4—45224
Vorob'ev, G.A., Danilov, Yu.P., Kasatkin, N.A., Nenakhov, S.A. Use of a surface discharge in an organic fluid for creating electrical resistors 4—36923
Vorob'ev, G.N., Syuzev, V.V. Random process generator utilizing Walsh's basis 4—50645
Vorob'ev, I.B. *see* Baginskii, L.V. 4—49627
Vorob'ev, R.M. *see* Bruevich, D.A. 4—41335
Vorob'ev, S.A., Kosolapov, A.N., Feigin, L.M. Method for increasing the technical economic characteristics of asynchronised motors in oscillating machines 4—57011
Vorob'ev, S.A., Ziyakaev, R.G., Maslov, V.V., Makarova, N.V., Khozhainova, G.I. Monolith: a radiation-resistant insulation system for thermonuclear plants 4—30883
Vorob'ev, S.P. Effect of instability in interference pattern location on hologram quality 4—37496
Vorob'ev, V.A., Magdeev, V.Sh. Amplifier for piezovibrator supply 4—33221
Vorob'ev, V.V. Design of similar nonlinear electromagnetic various-power devices 4—29648
Vorobev, Yu.V., Tolpygo, E.I., Sheinkman, M.K. The Auger processes with energy transfer to the bound charge carriers in multi-valley semiconductors 4—41804
Vorobeychikov, E.S. *see* Abdrashitov, F.R. 4—51029
Vorob'jev, S.P. On the problem of optimizing holographic information devices 4—37498
Vorobkalo, F.M. *see* Vainberg, V.V. 4—30311
Vorob'yev, A.F. *see* Budagyan, I.F. 4—42893
Vorob'yev, G.A. *see* Bitner, L.R. 4—30470
Voronich, A.Yu. *see* Naidich, Yu.V. 4—29242
Voronin, A.S. *see* Chepigin, V.I. 4—39420
Voronin, A.V., Goncharov, S.E., Kuznetsov, V.M. Instrument for measuring small frequency fluctuations 4—61486
Voronin, E.N. *see* Grinev, A.Yu. 4—42983, 4—42991
Voronin, G.F. *see* Avrutik, A.M. 4—61214
Voronin, M.Ya. *see* Shleye, V.R. 4—31718, 4—31719
Voronin, V.I., Tsymbalenko, V.L. Quality-factor and period meter for a tuned system 4—49004
Voronkov, A.I., Nikoov, A.V., Simon, S.Kh. Phase devices measuring harmonic signal amplitude 4—61303
Voronkov, B.V. *see* Popovskii, V.V. 4—53664
Voronkov, M.E., Glyuza, A.T., Sergeev, Yu.A., Chakhovskii, V.M., Yakovlev, B.V. An autonomous manoeuvrable low-power center of nuclear heat and power generation with heat storage 4—34295
Voronkov, M.E. *see* Akhmedov, R.B. 4—40365
Voronkov, V.B. *see* Bagraev, N.T. 4—58011
Voronkov, V.N. *see* Makoklyuev, B.I. 4—44967
Voronov, G.G. *see* Khutoretskii, G.M. 4—34589
Voronova, I.M. *see* Verbitskaya, E.M. 4—46938
Voronova, M.T., Zaretskii-Feoktistov, G.G., Raport, Yu.M. Systematic errors of measuring the speed of propagation of ultrasonic vibrations in surface sounding with small bases 4—58097
Vorontsov, Yu.I., Gusev, A.V. Role of current fluctuations in the controlling circuit of the active element in self-excited oscillators of the Thomson type 4—41239
Voros, A. The effect of the filter characteristic on the error of the nonlinear distortion measurement 4—61519
Vortman, J., Bar-Lev, A. Optimal electronics response for parallel thermal imaging systems 4—61273
Vos, J.A.de *see* de Vos, J.A.
Voshall, R. *see* Few, R.A. 4—50006
Voshchenkov, A.M. *see* Ko, P.K. 4—36885
Vosicky, J. *see* Doughty, R.L. 4—57142
Voskoboinikova, I.V. *see* Borodulin, V.I. 4—37380
Voskovoinikov, Yu.E., Preobrazhenskii, N.G. Selection of regularisation parameter for the solution of inverse measurement problems with unknown measurement noise characteristics 4—61162
Voskresenskii, A.A., Chervyakov, L.N. On current transformer equivalent circuit parameters in rectangular approximation of the magnetisation characteristic 4—39939
Voskresenskii, D.I., Gostyukhin, V.L. Active antenna arrays (review) 4—42982
Voss, A. *see* Friedrich, R. 4—49785, 4—62388
Voss, A.R. *see* Alexander, A.D. 4—35313
Voss, C.A. Production/operations management—a key discipline and area for research 4—45908
Voss, D.F. *see* Paddock, C.A. 4—31411
Voss, D.H., Jr. *see* Gartside, C.H., III 4—52654
Voss, D.J., Stone, R.B. Compact chip set streamlines the design of bubble memory systems 4—59155
Voss, E. From product to systems solution. Electrical machines and drives at the Hanover Fair 4—56912
Voss, G. *see* Pollak, M. 4—45543
Voss, H.J., Kurten, H. Device isolation technology by selective low-pressure silicon epitaxy 4—36736
Voss, K. *see* Best, E. 4—40936
Voss, M. *see* Boltz, K. 4—50207
Voss, T.J. An assessment of operator acceptance of a control room improvement project 4—62309
Voss, T.J., Talley, W.T., Baker, C.C. Interpreting guidelines for nuclear power plant control rooms 4—45241
Voss, W., Szygulla, H. Commutation contacts for single column circuit breakers 4—34792
Vossen, J.L., Thomas, J.H., Maa, J.-S., O'Neill, J.J. Preparation of surfaces for high quality interface formation 4—46941
Vossen, J.L., Jr. Technique for planarization of multilevel metallization for semiconductor devices 4—58881
Vossloh, D. *see* Lautenbach, P. 4—44873
Vostracky, Z. Type VVR air-blast circuit breakers employing a new principle of ensuring the dielectric strength of insulator cavities without electric power consumption 4—57255
Votano, L. *see* Venuti, G.C. 4—55898
Votapka, R. A renaissance in PCB design [CAD/CAM] 4—41155
Votruba, Z. *see* Kuzel, R. 4—41735
Votyakova, I.V. *see* Kirovskaya, I.A. 4—58872
Voumbo-Matoumona, L. *see* Lacoste, R. 4—59059
Vournas, C. *see* Contaxis, G.C. 4—34128
Vourvopoulos, G., Paradellis, T., Asthenopoulos, A. Utilization of the high current capability of the Demokritos tandem 4—33561
Voutilainen, A., Jokinen, R. Series TU 5800 radio links 4—32628
Vovk, A.E., Klimov, S.P., Tyutekin, V.V. Measurement of acoustic energy flux density 4—55775
Vovk, L.V. *see* Bondar, M.V. 4—52860
Vovos, N. *see* Galanos, G. 4—49585
Vowinkel, B. Simplified receiver response measurements 4—60824
Voysey, H. Veterans and upstarts play 4—38313
Vozenilek, P. Increase in noise by starting induction motors 4—56990
Voznesenskii, V.A. *see* Svechnikov, G.S. 4—59592
Voznyi, V.I. *see* Manoilo, V.S. 4—46390
Vrabik, O. New constructional solution of sliding contacts for electric current transfer in HV and EHV circuit breakers 4—57254
Vrable, D.L. High temperature heat exchange: nuclear process heat applications 4—49711
Vranesic, Z.G. *see* Zaky, S.G. 4—32415
Vratny, F. *see* Katzir, A. 4—36722
Vrba, J., Kiricka, K., Boucek, J. Measuring temperature profiles in biological tissue with the aid of a radiometer 4—44739
Vrbova, M. *see* Hribek, P. 4—59489
Vreeland, R.W., Harvold, E.P., Chierici, G., Miller, A.J. Implantable muscle stimulators for bone growth studies 4—56161
Vremera, E. *see* Antoniu, M. 4—33326
Vries, A.E.De *see* De Vries, A.E.
Vries, C.de *see* de Vries, C.
Vries, C.De *see* De Vries, C.
Vries, H.B.De *see* De Vries, H.B.
Vries, H.De *see* De Vries, H.
Vries, L.de *see* de Vries, L.
Vries, L.B. *see* Janssen, A.J.E.M. 4—53717
Vries, R.G.M.Penning de *see* Penning de Vries, R.G.M.
Vrieze, H.M.de *see* de Vrieze, H.M.
Vriezen, T. *see* Koenemann, B. 4—58225
Vroedt, C.de *see* de Vroedt, C.
Vtyurin, Yu.N., Mikhailov, N.M., Shnaider, V.K., Suchkov, P.I., Vlasov, M.V., Stolyarevskii, V.K. Technical and economic indexes of a 500 MW power unit central coal pulverizing plant and ways to increase its efficiency 4—40680
Vu, D.P., Leguet, C., Haond, M., Bensahel, D., Colinge, J.P. CMOS circuits made in lamp-recrystallised silicon-on-insulator 4—30757
Vu, T. *see* Lee, G. 4—29823
Vu, T.B. Method of null steering without using phase shifters [antenna arrays] 4—53311
Vu, T.T., Roberts, P.C.T., Nelson, R.D., Lee, G.M., Hanzal, B.R., Lee, K.W., Zafar, N., Lamb, D.R., Helix, M.J., Jamison, S.A., Hank, S.A., Brown, J.C., Jr., Shur, M.S. A gallium arsenide SDFL gate array with on-chip RAM 4—29781
Vu, T.T., Roberts, P.C.T., Nelson, R.D., Lee, G.M., Hanzal, B.R., Lee, K.W., Zafar, N., Lamb, D.R., Helix, M.J., Jamison, S.A., Hanka, S.A., Brown, J.C., Jr., Shur, M.S. A gallium arsenide SDFL gate array with on-chip RAM 4—35746
Vu, T.T. *see* Chen, T.H. 4—59036
Vu, T.T. *see* Lee Kang 4—36585
Vu Son Nguyen *see* Nguyen Vu Son
Vuchkov, N.K. *see* Astadjov, D.N. 4—59439
Vugal'ter, G.A. Magnetostatic waves with complex wave numbers in a lossless ferrite film 4—37035
Vuillermoz, B., Straboni, A., Vareille, A. High frequency anodization of silicon 4—30559
Vuilleumier, L. 50 years of telex service in Switzerland 4—48026
Vujevic, D. Grounding systems modelling in an electrolytic tank 4—39915
Vujkovic Cvijin, P. *see* Mendas, I. 4—37420
Vukicevic, D. *see* Dzubur, A. 4—42726
Vukovic, R. *see* Antic, Z. 4—48326
Vuleva, E.A., Kalimanova, I.I., Dimitrov, D.N., Lazarov, I.I., Radev, H.K., Zahariev, N.S. Laser devices to automate the checking of the shape and surface and axes disposition of large size workpieces 4—29274
Vulkov, S.A., Vultschanov, V.L., Borshukov, D.G., Manolov, E.D., Savov, G.G., Gradinarski, D.N., Tsanov, M.Kh. MOS integrated circuit CM 302 for the control of quasiperiodic processes 4—41377
Vultschanov, V.L. *see* Vulkov, S.A. 4—41377
Vuong, S.T. Towards standard high level protocols for the interworking of word processing systems 4—32108
Vuong, S.T., Chanson, S.T., Lee, R.K.V. A hybrid local area network for efficient and reliable communication 4—32417
Vuong, X.T., Birta, L.G. Optimal characteristics of a memoryless power amplifier system 4—29690
Vuong, X.T., Guibord, A.F. Modelling of nonlinear elements exhibiting frequency-dependent AM/AM and AM/PM transfer characteristics 4—60741
Vuorenmaa, A., Kuismanen, S. Diagnostic measuring system in a nuclear power station 4—39990
Vutsel', V.I. Provision of reliability of earth dams 4—39968
Vuuren, J.Van *see* Van Vuuren, J.
Vvedenskaya, N.D. *see* Tsybakov, B.S. 4—37806, 4—59902
Vvedenskii, V.D. *see* Gavrilov, N.I. 4—31439
Vyalkov, A.I., Kukarin, V.F., Lur'e, G.I., Stuchebnikov, V.M. Semiconductor pressure strain-gauge with high stability 4—55708
Vyalyi, N.G. *see* Anishchenko, V.A. 4—30381
Vyalyi, N.G. *see* Astakhov, V.N. 4—33724
Vyatchanin, S.P., Timasov, A.V. Simple measurement method of high Q in UHF resonators 4—49003
Vyatkin, A.P., Inozemtsev, K.I., Kalinin, Yu.M., Krivorotov, N.P., Lomako, V.M., Novoselov, A.M. Investigation of deep levels in gallium arsenide homojunctions and heterojunctions by the tunnel spectroscopy method 4—46854
Vyatkin, A.P., Maksimova, N.K. Defects in Schottky barrier structures 4—58800
Vyatkin, A.P. *see* Filonov, N.G. 4—46999
Vyatkin, M.A. *see* Levin, Yu.A. 4—40662
Vyatskov, I.A. *see* Ermolov, I.N. 4—62020
Vye, R.R. *see* Sheldon, J.S. 4—40801
Vygon, V.G., Yaroshenko, I.F. Effect of indirect processes in a photomultiplier on the characteristics of a photoreceiver 4—54903
Vygovskii, V.I. *see* Fedorenko, G.M. 4—56944
Vykhodets, A.V. *see* Balan, N.M. 4—31819
Vykhota, O.M. *see* Dovganyuk, I.Ya. 4—40231
Vylov, T. *see* Briancon, C. 4—39488
Vynckier, S. *see* Richard, F. 4—39601
Vyne, R.L. *see* Davis, W.F. 4—51015
Vyshemirskii, A.V., Sofinskii, B.A. Interferometer with automatic fringe counting for measuring vibration amplitudes of diffusively reflecting surfaces 4—55331
Vysikailo, F.I. *see* Baranov, V.Yu. 4—37310, 4—42557
Vysikailo, F.I. *see* Basiev, A.G. 4—42554
Vysotskii, A.A. Dynamic-characteristic specifications for electronic systems in instruments and automatic devices for dimension checking 4—33124
Vysotskii, A.V. Basic lines of development in linear-measurement monitoring and control facilities 4—33123
Vysotskii, A.V., Kainer, G.B., Komarov, B.F. Vernier readout errors and an improved readout device for vernier instruments 4—33472
Vysotskii, S.P., Parykin, V.S., Vlasova, S.A. Use of the series-manufactured UEO-50-4/12.5 electrodialysis plants for concentrating the waste waters from demineralising plants 4—40675

Vysotskii, S.P., Parykin, V.S., Vlasova, S.A., Keshelava, V.G., Khodorchenko, Z.G. A study of the UEO-50-4/12.5 electrodialysis unit for use in providing coolant water for hydraulic turbine generators 4−57670
Vysotsky, G. Speaker-independent isolated word recognition using a one-pass analysis 4−53516
Vysotsky, G.J. A speaker-independent discrete utterance recognition system, combining deterministic and probabilistic strategies 4−47799
Vystavkin, A.N., Gubankov, V.N., Zhuravlev, V.E., Koshelets, V.P., Obukhov, Yu.V., Tarasov, M.A. Low-frequency noise in superconductor tunnel junctions 4−59171
Vystavkin, A.N., Tarasov, M.A. Relationship between the nonlinear and fluctuational properties of superconductor-normal-metal weak links 4−42300
V'yukov, L.A. *see* Varlamov, I.V. 4−29526

wa Kabasele, M. Small hydropower development of Zaire 4−45336
Waaben, S., Moskowitz, I., Federico, J., Dyer, C.K. Battery model using ADVICE computer simulation of PIN diodes and RLC circuit topology 4−57306
Waag, R.C. Ultrasonic imaging instrumentation 4−49188
Waard, H.de *see* de Waard, H.
Wabnitz, S. *see* Crosignani, B. 4−52583
Wach, D., Sunder, R., Weingarten, J. System monitoring and fault diagnosis for early fault detection in nuclear power stations 4−34330
Wach, P. *see* Schuy, S. 4−42877
Wachholz, W. *see* Schoning, J. 4−62285
Wachi, Y. *see* Koshida, N. 4−58852
Wachter, A. *see* Seibt, D. 4−48069
Wachter, G. *see* Kuhn, G. 4−60651
Wachter, G.De *see* De Wachter, G.
Wachter, G.F. *see* Fisher, R.K. 4−49801
Wachter-Lauppe, I. *see* Cooper, M. 4−60312
Wachters, A.J.H. *see* Polak, S.J. 4−31595
Wachtler, R.A. *see* Klingerman, M.D. 4−42252
Wacker, A.G., El-Sheikh, T.S. Average classification accuracy over collections of Gaussian problems−common covariance matrix case 4−32046
Wacker, G. *see* Billinton, R. 4−34057
Wacker, H. *see* Bauer, W. 4−45362
Wada, A. *see* Araki, S. 4−52672
Wada, I., Nakane, H., Tomita, T. Integral and short-form electromagnetic flowmeter 4−44559
Wada, J.A. *see* Beddoes, M.P. 4−61802
Wada, K., Hagihara, K., Tokura, N. Area-time optimal fast implementation of several functions in a VLSI model 4−47083
Wada, K. *see* Masuzawa, T. 4−29365
Wada, K. *see* Sato, N. 4−35819
Wada, K. *see* Shinohara, M. 4−51772
Wada, M., Hamada, K., Shimizu, H., Kume, M., Tajiri, F., Itoh, K. High-power TRS semiconductor lasers 4−31390
Wada, M., Hieda, K., Shibata, T., Iizuka, H. A new EEPROM cell with dual control gate structure 4−30813
Wada, M., Pyle, R.V., Stearns, J.W. Work function dependence of surface produced H^- in the presence of a plasma 4−61633
Wada, M. *see* Hieda, K. 4−35822
Wada, M. *see* Kato, Y. 4−29825, 4−41440
Wada, O., Yamakoshi, S., Sakurai, T. An AlGaAs/GaAs short-cavity laser and its monolithic integration using microcleaved facets (MCF) process 4−31384
Wada, O., Yamakoshi, S., Sakurai, T., Makiuchi, M., Sanada, T., Miura, S., Hamaguchi, H., Fujii, T., Nakai, K., Nakagami, T. Monolithic laser/FET and PIN/FET as optoelectronic integrated circuits (OEICs) by AlGaAs/GaAs heterostructure 4−31178
Wada, O. *see* Fujii, T. 4−52965
Wada, R. *see* Egashira, H. 4−61039
Wada, T., Higashi, N. Customer training equipment for international telex 4−43664
Wada, T., Kubota, K., Ikoma, T. Liquid phase epitaxial growth of AlGaSb 4−46816
Wada, T., Nakai, K., Hada, H. Electron-beam-induced recoil implantation in semiconductors at 300K 4−41973
Wada, T. *see* Hagiwara, N. 4−55628
Wada, T. *see* Hara, M. 4−31554
Wada, T. *see* Matsumoto, K. 4−42050
Wada, T. *see* Matsuura, M. 4−55601
Wada, T. *see* Takeda, M. 4−58858
Wada, T. *see* Yamamoto, I. 4−61695
Wada, Y., Hidaka, M., Ishida, I. RCJL decoder for Josephson memory 4−52511
Wada, Y., Sunami, H., Yamamoto, N., Kawamoto, Y., Mizutani, T., Yagi, K., Homma, Y., Hashimoto, N., Asai, S. A 1.3 μm n-MOS VLSI technology 4−36864
Wada, Y. *see* Mori, T. 4−34797
Wada, Y. *see* Sakakibara, M. 4−34664
Wada, Y. *see* Yoshiyasu, H. 4−46752
Wadaka, S., Misu, K., Takeda, F., Kato, T. A low-loss 0.9 GHz band SAW filter 4−52394
Waddell, C.N. *see* Fredrickson, J.E. 4−41827
Waddell, C.N. *see* Hubler, G.K. 4−41970
Wade, D.A. *see* Miller, R.C. 4−35858
Wade, G. Optical signal processing 4−38105
Wade, G. *see* Hu, J.S. 4−43414
Wade, J.A. Electrical auxiliary supply systems 4−45349
Wade, J.C. *see* Claus, R.O. 4−61550
Wade, J.G., Lawrence, D.H., Rendle, M. Low-cost remote sensing experiments within an educational environment 4−49479
Wade, T.E., Ramesh, T., Trotter, J.D. CMOS active region lateral diffusion and polycrystalline silicon line-width test structure 4−58816
Wade, W.D., Mortara, M.E., Leong, P.K., Frost, V.S. Interactive communication systems simulation model−ICSSM 4−37789
Wadehra, J.M. Negative ion production via dissociative attachment to H_2 4−44667
Wadham, D.W. Modular design of sonar systems using functional units built from a standard set of VLSI building blocks 4−38696
Wadley, H.N.G. *see* Norton, S.J. 4−55731
Wadman, B. Progress at Mitsubishi [diesel engines] 4−62350
Wadman, B. External combustor/steam injection boost gas turbine output/efficiency 4−62410
Wadman, B. Uprated Centaur turbine announced at seminar 4−62413
Wadsten, T. *see* Hallberg, R. 4−62238
Waechter, D. Conductivity and thermoelectric power below a mobility edge in amorphous silicon 4−58747
Waechter, D.A., Bjarke, G.O., Wolf, M.A., Trujillo, F., Umbarger, C.J. New generation low power radiation survey instruments 4−33898
Waechter, D.A., Brake, R.J., Vasilik, D.G., Erkkila, B.H. Computer based plutonium wound monitor 4−33902
Waechter, D.A. *see* Erkkila, B.H. 4−33900
Wagatsuma, M. *see* Chida, K. 4−52594
Wagemaker, C. Measurement is knowledge 4−31688
Wagemann, H-G. *see* Kluwe, A. 4−31251
Wagemans, H.H.M. *see* Bouten, P.C.P. 4−31107
Wagen, J.F., Bolle, D.M. Studies of non-reciprocal effects in planar near-millimeter waveguiding structure: analysis of a 5-region canonical structure with 2 semiconducting slabs 4−37710
Wagers, R.S., Cohn, R.W. Residual bulk mode levels in (*YXl*)128° $LiNbO_3$ 4−52378
Wagers, R.S., Cohn, R.W. Development of SAW filter perturbation techniques 4−52384
Wagers, R.S., Melloch, M.R. GaAs strip-coupled memory correlators 4−52426
Wagers, R.S. *see* Melloch, M.R. 4−52428
Wagers, R.W. *see* Melloch, M.R. 4−42212
Wagg, M.W. *see* Bloch, P.D. 4−47161
Waggener, W.N. Digital implementation of symbol synchronizers for high data rates 4−59911
Waggoner, C.D. *see* Scarpero, W.J., Jr. 4−29967
Waghorne, R.M., Lewis, H.M. The effect of tape integrity and tape cleaning on drop-out performance 4−42273
Wagli, P. *see* Muggli, J. 4−55464
Wagli, P. *see* Steiner, P. 4−31993
Wagner, A. Applications of focused ion beams [microscopy, lithography and mask repair] 4−36242
Wagner, A. *see* Current, M.I. 4−36662
Wagner, B. Philipp Reis, telephone pioneer, born 150 years ago 4−54469
Wagner, C., El-Sadek, A. The annealing behaviour of arsenic-implanted silicon between 600 and 800°C characterized by carrier density profiles 4−36254
Wagner, C.G. *see* Gonzalez, R.C. 4−32028, 4−60186
Wagner, D. *see* Schedewie, F.J. 4−55699
Wagner, D.K., Shealy, J.R. Graded band-gap *p/n* AlGaAs solar cells grown by organometallic vapor phase epitaxy 4−57338
Wagner, D.K. *see* Fletcher, R.M. 4−42489
Wagner, D.K. *see* von Lehmen, A. 4−59333
Wagner, E. Control interfaces for multi-coordinate measuring equipment with switching and measuring sampling systems 4−39038
Wagner, E. Components for optical transmission. It all started with Borner 4−60850
Wagner, E. *see* Linnemann, G. 4−45873
Wagner, E.E., Angerstein, J., Petermann, K. Coupling properties of semiconductor lasers to collimating optics 4−31442
Wagner, F. PLA flip-flop circuit buffers bidirectional microprocessor lines 4−41290
Wagner, F.J. Contact materials for low voltage switches−silver is better than copper 4−30161
Wagner, G. *see* Denzler, H. 4−39221
Wagner, G.A. The evolution of telecommunications policymaking structures and processes in New Zealand during the period 1960-1978 4−32163
Wagner, G.A. Telecommunications policy-making in New Zealand during the last two decades 4−43526
Wagner, J., Gelpey, J.C., Hodgson, R.T. Photoluminescence from rapid thermal annealed and pulsed-laser-annealed, ion-implanted Si 4−51971
Wagner, M. *see* Gotz, G. 4−35495
Wagner, O. *see* Oehmigen, D. 4−35752
Wagner, P. *see* Letournel, M. 4−33559
Wagner, R. IC design for laser trimming 4−36167
Wagner, R., Eisele, H. Choosing the right converter system for electric tractive units equipped with three-phase traction motors 4−62770
Wagner, R., Zimmermann, R. Semiconductor information 202 4−41527
Wagner, R., Zimmermann, R. Semiconductor information 203. B 555 D monolithic bipolar integrated timing circuit. II 4−47120
Wagner, R.F. Low contrast sensitivity of radiologic, CT, nuclear medicine, and ultrasound medical imaging systems 4−33806
Wagner, R.G. Use of disconnectible splices on a 15 kV underground distribution system 4−62186
Wagner, R.S. *see* Hammond, R.B. 4−52763, 4−59302, 4−59334
Wagner, R.S. *see* Kania, D.R. 4−42454, 4−55841
Wagner, S. *see* Raudorf, T.W. 4−33698
Wagner, S.E. *see* Zimmer, W.H. 4−61672
Wagner, S.S. *see* Shapiro, J.H. 4−53369
Wagner, W.R. *see* Craft, D.C. 4−37355
Wagoner, D. *see* Theodosiou, G.E. 4−33677
Wagoner, D.E., Cox, B., Judd, D.J., Hale, G., Mazur, P.O., Murphy, C.T., Rameika, R., Turkot, F., Conetti, S., Haire, M., Lebrun, P., Leroy, C., Ryan, T., Turnbull, L., Gearhart, R.A., Tazamarias, S. A measurement of the energy resolution and related properties of an SCG1-C scintillation glass shower counter array for 1-25 GeV positrons 4−33676
Wagoner, D.E. *see* Rameika, R. 4−33678
Wagstaff, R.A. *see* Berrou, J.-L. 4−37983
Wagstaff, S.S., Jr. *see* Pomerance, C. 4−53427
Wah, P.K.S., Schobi, P. A study of Wyner's analog speech scrambling schemes 4−37900
Wah, P.K.S., Wang, M.Z. Realization and application of the Massey-Omura lock 4−43202
Wahab, A.S. Design and construction of a switching voltage regulator 4−41206
Wahl, R.E. *see* Kierszтyn, S.E. 4−50184
Wahl, W. *see* Knobloch, J. 4−51224
Wahlbin, L.B. On the sharpness of certain local estimates for $\hat{H}^1$ projections into finite element spaces: influence of a reentrant corner 4−29431
Wahls, H. Advertising selling with Bildschirmtext 4−54307
Wahlstrom, F., Kortela, U. Combustion stabilization and improvement of the efficiency in a peat power plant 4−40132
Wahlstrom, F. *see* Kortela, U. 4−40079
Wai Chang Kok *see* Kok Wai Chang
Wai Chiu Leung *see* Leung Wai Chiu
Wai Wan Tsang *see* Marsaglia, G. 4−40911
Waibel, A. Suprasegmentals in very large vocabulary isolated word recognition 4−53544
Waibel, H. *see* Weissmann, G. 4−31460
Waichman, K. *see* Stricker, J. 4−59436
Waida, T. *see* Suto, T. 4−57823
Waidl, J. *see* Galloway, T.R. 4−35096
Wainer, J.J. *see* Hartstein, A. 4−52131
Waisman, E.M. Operation of a convolute double-emitter relativistic electron beam diode 4−39403
Waite, M.S. Low field recombination of self-activated centers in II-VI DCEL cells 4−52781
Waites, H.B. *see* Tollison, D.K. 4−56237
Wajima, M. *see* Akahoshi, H. 4−58625
Wajs, K. Minimization of energy losses in direct current drives as a problem for mathematical programming 4−49907
Wajs, K. The tidal power stations of the world 4−62446
Wakabayashi, H. *see* Ishikawa, Y. 4−43921
Wakabayashi, H. *see* Suzuki, M. 4−41491
Wakabayashi, J. *see* Kawaji, S. 4−46849
Wakabayashi, M. *see* Takebe, T. 4−41493
Wakabayashi, N. *see* Kawa, H. 4−62565
Wakabayashi, T. *see* Sirakihara, Y. 4−60023
Wakagi, M. *see* Tamahashi, K. 4−41083
Wakahara, T., Hiroyama, M., Ogawa, H. Facsimile computer communication by center-end facsimile communication network 4−54170
Wakahara, Y. *see* Mori, H. 4−54541, 4−54542
Wakai, N. *see* Inuki, H. 4−31654
Wakamatsu, T. CPU for clutch friction test equipment 4−44398
Wakamiya, W. *see* Mashiko, K. 4−58337
Wakamiya, W. *see* Uoya, S. 4−36821
Wakao, K., Nishi, H., Isozumi, S., Ohsaka, S., Kusunoki, T., Ushijima, I. Low-threshold InGaAsP/InGaP lasers at 810 nm grown on GaAs substrate by LPE 4−37363
Wakao, K., Nishi, H., Kusunoki, T., Isozumi, S., Ohsaka, S. Room-temperature CW operation of InGaAsP/InGaP lasers at 727 nm grown on GaAs substrates by liquid phase epitaxy 4−42615
Wakao, K. *see* Ueda, O. 4−37359
Wakasugi, K. *see* Matsuo, M. 4−33987
Wakatsuki, N. *see* Fjiwara, Y. 4−30907

Wakaumi, H., Suzuki, T., Saito, M., Sakuma, H. A highly reliable 16 output high voltage NMOS/CMOS logic IC with shielded source structure 4—36872
Wake, A.J. Computer education for the rural community 4—45851
Wake, D., Livingstone, A.W., Andrews, D.A., Davies, G.J. A self-aligned $In_{0.53}Ga_{0.47}As$ junction field-effect transistor grown by molecular beam epitaxy 4—52120
Wake, Y. *see* Tanaka, S. 4—53563
Wakefield, B., Leigh, P.A., Lyons, M.H., Elliott, C.R. Characterization of semi-insulating liquid encapsulated Czochralski GaAs by cathodoluminescence 4—46807
Wakefield, B. *see* Davies, G.J. 4—50763
Wakeley, K. *see* Campbell, J.J. 4—34657
Wakeman, L. Logic-system design techniques reduce switching-CMOS power 4—41294
Wakeman, L. Transmission-line effects influence high-speed CMOS 4—46420
Wakemen, L. High-speed-CMOS designs address noise and I/O levels 4—35738
Waki, M. *see* Iida, K. 4—42192
Waki, M. *see* Morita, M. 4—30142
Wakino, K., Minai, K., Tamura, H. Microwave characteristics of $(Zr,Sn)TiO_4$ and BaO-PbO-Nd_2O_3-TiO_2 dielectric resonators 4—46610
Wakino, K., Nishikawa, T., Tamura, S., Tamura, H. An X-band GaAs FET oscillator using a dielectric resonator 4—30102
Wakino, K. *see* Tamura, H. 4—41559
Wakino, K. *see* Tanaka, K. 4—52700
Wakita, A.S., Sigmon, T.W., Gibbons, J.F. Effects of impurities on the oxidation of $MoSi_2$ on silicon 4—51997
Wakita, K. *see* Kawamura, Y. 4—42629
Wakita, K. *see* Nawata, K. 4—42631
Wakiwaka, H. *see* Yamada, H. 4—62676
Waks, S. The learning process—a model based on an engineering approach 4—29158
Waks, S. A program for incorporation of pedagogic courses in an electrical engineering curriculum—general aspects and students' attitudes 4—50347
Waksberg, A. *see* Davis, B.W. 4—39193
Wakui, G., Ichinose, K., Horii, T. Analysis of condenser split phase hysteresis motor 4—57077
Wakuta, Y., Hasuyama, H., Yokobayashi, S., Ueno, A. An optimization method of atomic beam polarized ion source 4—61624
Walach, E. On superresolution effects in maximum likelihood adaptive antenna arrays 4—37766
Walach, E., Widrow, B. The least mean fourth (LMF) adaptive algorithm and its family 4—43312
Walach, E. *see* Feinstein, J. 4—40901
Walach, E. *see* Widrow, B. 4—43308, 4—53748
Walch, D.H. A manager's viewpoint of mentoring 4—50376
Walczak, R. *see* Taegen, F. 4—34641, 4—45432
Walczyk, F., Rubinstein, J. A merged CMOS/bipolar VLSI process 4—36738
Wald, F.V. *see* Ho, C.T. 4—34893
Wald, R.W. *see* McGillivray, R.M. 4—39569
Wald, S. *see* Van Bibber, K. 4—33672
Waldie, B. Chemical processing in plasmas 4—40646
Waldner, M. *see* Greiling, P.T. 4—29821
Waldo, S. *see* Chow, B. 4—41291
Waldron, E.H.J. *see* Farr, J.P. 4—48001
Waldron, M. *see* Frantz, T. 4—45000
Waldrop, J.R. Schottky-barrier height of ideal metal contacts to GaAs 4—41886
Waldvogel, J. *see* Kahaner, D.K. 4—29415
Wale, M.J., Peskett, G.D. Some aspects of the design and behavior of the Stratospheric and Mesospheric Sounder 4—56294
Walecki, T. *see* Kaczkowski, Z. 4—37005
Walen, R.J. *see* Briancon, C. 4—39488
Walford, G.M. *see* Bohlander, R.A. 4—37593
Walkasugi, H. *see* Ozawa, K. 4—42247
Walkden, A.J. *see* Wallace, P.R. 4—59224
Walker, A.J. The degradation of the reliability of transmission and distribution systems during construction outages 4—34159
Walker, A.V. Automation cuts design time for gate arrays 4—29764
Walker, B. *see* Edington, D. 4—58291
Walker, D. *see* Clarke, P.G. 4—62742
Walker, D.N., Edmonds, J.S., Perez, A.J. A torsional vibration monitoring program for large steam turbine-generators 4—49774
Walker, E.A. Science parks and new opportunities for engineering educators 4—35172
Walker, G. Networks make the most of business computers 4—60478
Walker, G., Fauvel, R., Srinivasan, V., Xia, Z., Gustafson, R., van Benthem, J. Large coal-burning Stirling engines 4—40126
Walker, G., Kentfield, J.A.C., Johnson, E.W., Fauvel, R., Srinivasan, V. Coal-fired Stirling engines for railway locomotive and stationary power applications 4—49720
Walker, G., Whiteside, T. Climbing towards the MC 6809 4—35826
Walker, G.A., DeHaven, P.W., Goldsmith, C.C. Kinetics of intermetallic formation during soldering of chips to substrates 4—58667
Walker, G.H. Photovoltaic conversion of laser to electrical power 4—31243
Walker, G.H. *see* Wilson, J.W. 4—40437
Walker, G.W. *see* Sharbaugh, A.H. 4—57143
Walker, H., Director, S.W. Yield simulation of integrated circuits 4—36792
Walker, J. *see* Green, P.F. 4—55984
Walker, J.D.A. *see* Bogucz, E.A. 4—41013
Walker, J.F. *see* Buckley-Golder, D.H. 4—56724
Walker, J.F. *see* Norgett, M.J. 4—34076
Walker, J.F. *see* Pollon, G.E. 4—54876
Walker, J.G. A condensed orbital history of INTELSAT satellites 4—60748
Walker, J.T. *see* Gibbons, J.F. 4—42174
Walker, J.T. *see* Kuo, J.-B. 4—51428
Walker, K.L. *see* Csencsits, R. 4—52633
Walker, K.L. *see* McAffe, K.B., Jr. 4—50825
Walker, L. *see* Ward, R. 4—50518
Walker, L.H. Force commutated reactive power compensator 4—62679
Walker, L.N. *see* Kondragunta, J. 4—45201
Walker, M.J. Ramp generator for X-axis input of an oscilloscope 4—61409
Walker, M.J., Deakin, S. Frequency management for the British Army 4—60951
Walker, P. Programmable power supply 4—29639
Walker, P. Flash sequencer [photography] 4—29738
Walker, P. Trigger unit [photography] 4—29739
Walker, P. PseudoROM 4—29851
Walker, P. Alarm module 4—30044
Walker, P. Max/min thermometer 4—33516
Walker, P. Supply protector 4—35619
Walker, P. The digger [digital circuit tester] 4—35897
Walker, P. Car alarm 4—40577
Walker, P. *see* Tilbrook, D. 4—38937
Walker, R.C. Testing ESD control products 4—50497
Walker, R.S., Ashley, A.T. Modal decomposition for detection of plane waves with a line array receiver 4—60135
Walker, S. *see* Darby, J. 4—35263
Walker, S. *see* Eachus, J. 4—35778
Walker, S.D. *see* Borley, D.R. 4—38641
Walker, S.D. *see* Frisch, D.A. 4—32798
Walker, S.D. *see* Lilly, C.J. 4—38642
Walker, S.S., Seiler, N.C. A memory-efficient speech data encoding scheme 4—31936
Walker, S.S. *see* Seiler, N.C. 4—31935
Walker, T.P. *see* Munson, D.C., Jr. 4—41496
Walker, W.W. Process for making a push plate RAM cell 4—41354
Walker, W.W. *see* Plass, D.W. 4—35801
Walker, W.W. *see* Scheuerlein, R.E. 4—35802, 4—51248
Walker, W.W. *see* Scheurlein, R.E. 4—35803
Walklet, D.C. Remote sensing of ocean and environmental resources: the transition to commercial operations 4—56328
Walkley, W.W. *see* Schorr, M.M. 4—49655
Walkup, J.F. *see* Adams, J.M. 4—43408
Walkup, J.F. *see* Chen, S.-H. 4—60271
Wall, A.E. Dense packaging with 34 AWG wire-wrap 4—51575
Wall, D. *see* Forrest, G.T. 4—59669
Wall, D.L. *see* Forrest, G.T. 4—61187
Wall, D.L. *see* Willis, H.L. 4—45011
Wall, L. Checking lighting installations 4—62809
Wall, L.A. *see* Knapp, J.P. 4—37647
Wall, N.D.C., Morrison, D.G. Planning for the UK video conference trial network 4—32998
Wallace, A.K. *see* Eastham, A.R. 4—34967
Wallace, B. Call it telethievery [telephone fraud] 4—60379
Wallace, C. *see* Peck, M. 4—31087
Wallace, G.K. *see* Tom, V.T. 4—53838
Wallace, J.L. A brief introduction to state diagrams 4—60350
Wallace, J.P. *see* Vanderwert, T.L. 4—35524
Wallace, K. Resonant reset [for transformer-coupled switching regulator] 4—50949
Wallace, L. PABX—hub of developing offices 4—43873
Wallace, L.N. *see* Rasset, T.L. 4—49404
Wallace, P.R., Sikora, E.S.R., Walkden, A.J. Engineering optical fibre sensors for process control 4—59224
Wallace, R.L., Huang, J.C.Y. Intelligent system control and multipath protection for next generation digital radios 4—38458
Wallace, R.S. *see* Gowdy, J.N. 4—61850
Wallace, S. *see* Porter, D. 4—62089
Wallace, S.C. *see* Kruus, E. 4—53056
Wallace-Hadrill, J. *see* Anderson, L. 4—55989
Wallenberg, R.F. *see* Cha, C. 4—59819
Wallenstein, R. *see* Hilbig, R. 4—31483
Waller, L. Converter family emphasizes speed 4—29936
Waller, R.H. *see* Bederman, S. 4—32390
Waller, W. *see* Bayless, M. 4—36742
Walleshauser, J.J. *see* Lautenbach, P. 4—44873
Wallich, P. On the horizon: fast chips quickly 4—35718
Wallich, P. *see* Hayes-Roth, F. 4—50398
Wallin, B. Measuring heat using thermography finds faults in electronics 4—39056
Wallin, S. *see* Alden, M. 4—53054
Wallinga, H. *see* Penning de Vries, R.G.M. 4—30655
Wallington, J.R., Griffin, J.M. Optical techniques for signal distribution in phased arrays 4—60854
Wallis, C. *see* Miller, R.C. 4—35858
Wallis, D. Laser alignment techniques at the Wimbleball reservoir 4—42748
Wallis, R.A. *see* Himmelberg, M.R. 4—44189
Wallis, R.F. *see* Kramer, G.M. 4—51902
Wallis, R.L. *see* Midgley, D. 4—37530
Wallner, F. *see* Rose, J. 4—46268
Wallraff, W. *see* Micke, U. 4—39434
Walls, A.D. *see* Crowley, T.R. 4—31953
Walls, F.L. *see* Gagnepain, J.J. 4—30893
Walls, J.M. *see* Done, S. 4—41798
Walls, J.R. *see* Ovenston, A. 4—50223
Walls, W.A., Vaughn, M.R. A systems tester for compact HPG component development 4—45455
Walls, W.A. *see* Gully, J.H. 4—45525
Walmsley, B.H. *see* Fleming, J.S. 4—39549
Waloff, D.M. Digital communications: new information management tools 4—54077
Walpole, J.N. *see* Liau, Z.L. 4—42612, 4—59531
Walpole, J.N. *see* Tsang, D.Z. 4—52950, 4—52962
Walraet-Betoule *see* Legras-Paccaud 4—54608
Walrand, J. *see* Varaiya, P. 4—46168
Walrath, G.A. New high temperature magnet wire systems 4—30144
Walsh, J., Garate, E., Buller, T., Cook, R. Recent Cherenkov maser experiments 4—37252
Walsh, J., Johnson, B. Cerenkov lasers in the Compton regime 4—52839
Walsh, J., Johnson, B., Dattoli, G., Renieri, A. Undulator and Cerenkov free-electron lasers: a preliminary comparison 4—59377
Walsh, J.A. *see* Hill, D.A. 4—39620
Walsh, M.P., Bernard, J. The next generation of speech recognition 4—59952
Walsh, P.J., Bottka, N. Growth of Fe and $FeAs_2$ films on GaAs by organo-metal chemical vapor deposition using pentacarbonyl iron and arsine 4—29531
Walsh, P.S., Rusinek, B.R., Estrada, H., Jr. Human factors enhancement of BWR symptom-oriented emergency operating procedures 4—62310
Walsh, P.T. *see* Gentry, S.J. 4—55374, 4—55375
Walsh, R.C. *see* Rose, L. 4—29268
Walsh, S., Bowes, S.R., Clare, J. Steady-state performance of PWM inverter drives [comment and reply] 4—62619
Walsh, S.T. *see* Raymond, T.D. 4—52927
Walsh, T.J. *see* Alexander, A.D. 4—35313
Walter, B. 'Combi-mode' improves logic analysis. State-timing connection helps time error analysis 4—41269
Walter, B. *see* Abel, W. 4—52882
Walter, G. *see* Wisshak, K. 4—33659
Walter, H.K. *see* Bertl, W. 4—33757
Walter, I., Tropf, H. Augmented transition networks (ATN) as a model for 3-D recognition of single pictures of workpieces 4—32058
Walter, W., Langhoff, H., Sauerbrey, R. Improved gain on the $Cl_2(D^3\Pi_6$-$A^3\Pi_u)$ transition at 258 nm by Halogen donor mixing 4—59392
Walter, W. *see* Broom, R.F. 4—42296
Walters, D.W. Ground-based air traffic control communication equipment 4—39680
Walters, K.W. *see* Konitzer, D.G. 4—31545
Walters, R.A., Reynolds, R.F. Computer aided telephone monitoring of cardiac pacemakers 4—49232
Walters, S.M. Personal-computer software controls memory and array programming 4—29578
Walters, T.L. *see* Barry, R.L. 4—29791
Walters, W.T. *see* Roach, J.V. 4—35861
Walther, C.P. Connecting flat cable wires to pins of a connector 4—36098
Walther, D. *see* Klein, H. 4—33599
Walther, L., Tragner, P. Students' participation in infrared measurement technology research 4—29152
Walther, S.R. *see* Turnbull, R.J. 4—44676
Walther, V.H. *see* Maurer, K. 4—55847
Walthner, H.P. *see* Schattat, S. 4—40647
Walti, B., Jenzer, U. Dowsing and electromagnetic fields 4—59687
Waltman, R.J., Diaz, A.F., Bargon, J. Electroactive properties of polyaromatic molecules 4—50037
Waltman, R.J. *see* Bargon, J. 4—50036
Walton, A.J. *see* Analouei, A.R. 4—41472
Walton, E.K. High-resolution frequency determination of discrete signal components 4—53639
Walton, E.K., Young, J.D. The Ohio State University compact radar cross-section measurement range 4—44170
Walton, J.R., Hanson, J.V. Analytic demodulation: a real time digital technique for envelope and frequency demodulation 4—31835
Walton, J.R., Hanson, J.V., Inkol, R.J. Multipath detection in stationary VHF EM channels 4—32633
Walton, J.T., Pehl, R.H., Wong, Y.K., Cork, C.P. Si(Li) X-ray detectors with amorphous silicon passivation 4—33708

Walton, J.T. *see* Thomspon, A.C. 4—55838
Walton, L. *see* Bjelkhagen, H. 4—39468
Walton, P. Play The Game and boost the market for home computers 4—38884
Walukiewicz, S. The ellipsoid algorithm for linear programming 4—29372
Walusiak, S., Wawszczak, J., Adamkiewickz, J., Szponder, J. A device for examination of time-current characteristics of fuses 4—51604
Walworth, V., Bennett, S., Trapani, G. Three-dimensional projection with circular polarizers 4—60164
Walz, F. High-sensitivity two-component measuring technique of inductances as applied to the investigation of magnetic after-effects 4—39278
Walz, G. A humidity metering circuit with digital displays of the relative humidity and limiting value transducers 4—55532
Walzcak, S. Some properties of cones in normed spaces and their application to investigating extremal problems 4—29378
Walzer, W., Follinger, T. High-resolution differential angle measuring system with computer-aided data processing 4—55684
Wambacq, P. *see* Van Boven, G. 4—53881
Wambecq, A.J.M. NETIX—a distributed operating system based on UNIX software and local networking 4—32348
Wambersie, A. *see* Richard, F. 4—39601
Wamser, R.J., Slutsker, I.W. Power flow solution by the Newton-Raphson method in transient stability studies 4—62134
Wan, C.C. *see* Wang, Y.Y. 4—45602
Wan, D. *see* Castanie, F. 4—60086
Wan, S.H., Larson, R.E., Cohen, A.I. Marginal cost method for deterministic hydro scheduling 4—56500
Wan Jia-ruo *see* Zhang Ming 4—53796
Wan Li *see* Li Wan
Wan Lide *see* Zou Lixun 4—59594
Wan Naibin *see* Li Qingxiu 4—31537
Wan Tsang Wai *see* Wai Wan Tsang
Wan Zen-Fong *see* Wen Bao-Dons 4—44826
Wan-bo Luo *see* Luo Wan-bo
Wan-Chi Siu, Constantinides, A.G. Cyclic convolution of long sequences using number theoretic transform 4—43346
Wanagel, J. *see* Hannula, S.-P. 4—58665
Wanas, M.A. Losses in magnetic insulators 4—37007
Wanat, E. *see* Chamerski, T. 4—62734
Wandel, K. *see* Woggon, U. 4—37207
Wandinger, L. *see* Fank, B. 4—36065
Wandrei, D.L. *see* Considine, B.C. 4—30107
Wands, R. *see* Minemura, H. 4—31083
Wang, C., Gersho, A. A bound on the number of nearest neighbours of a Euclidean code 4—37877
Wang, C.A., Witt, A.F., Carruthers, J.R. Analysis of crystal growth characteristics in a conventional vertical Bridgman configuration 4—35467
Wang, C.C., Moeller, R.P., Burns, W.K., Kaminow, I.P. Fibre-optic recirculating analogue delay line 4—41260
Wang, C.C. *see* Yan, T.-Y. 4—53963
Wang, C.M., Lee, C.C. Maximum likelihood phase estimation for direction finding 4—44188
Wang, C.P. High-repetition-rate rare-gas halide lasers 4—37320
Wang, C.P. Measuring 2-D laser-beam phase and intensity profiles: a new technique 4—37418
Wang, C.S. *see* Lu, N.C.C. 4—46798
Wang, D. *see* Wiedemeier, H. 4—35484
Wang, E.Y. *see* Pandelisev, K.A. 4—41903
Wang, F.A., El-Sherbini, A.H.M., Fry, S., Smutek, M., Webb, N. The Wang Professional Image Computer: a new dimension to personal and office computing 4—35857
Wang, F.C., Bhavsar, D.D. A bus-organized self-test processor architecture 4—61235
Wang, F.-C., Bujatti, M. Experimental correlation between substrate properties and GaAs MESFET transconductance 4—47040
Wang, G. *see* Lovold, S. 4—37295, 4—52876
Wang, G.H. *see* Baker, S.I. 4—33727
Wang, G.J. *see* Reger, S.I. 4—56141
Wang, H., Kaveh, M. Estimation of angles-of-arrival for wideband sources 4—53710
Wang, H.T.M. Application of metal hydrides for gas handling in hydrogen masers 4—37249
Wang, J.C. *see* McInnis, B.C. 4—49319
Wang, J.-H. Phase angle measurements for checking variations in the imbalance of turbine generators 4—61490
Wang, J.H.S., Paranto, J.N. RF-pumped infrared laser using transverse gas flow 4—37300
Wang, J.H.S., Paranto, J.N., Lovejoy, C.M. Radio frequency pumped mid-infrared waveguide lasers 4—37299
Wang, J.S., Lakin, K.M., Landin, A.R. Sputtered C-axis inclined piezoelectric films and shear wave resonators 4—36937
Wang, J.S., Landin, A.R., Lakin, M.M. Low temperature coefficient shear wave thin films for composite resonators and filters 4—52360
Wang, J.S. *see* Kalaba, R. 4—50690
Wang, J.W., Quintana, V.H. A decoupled orthogonal row processing algorithm for power system state estimation 4—62024
Wang, J.Y., Bartholomew, B.J., Streiff, M.L., Starr, E.F. Imaging CO_2 laser radar field tests 4—60912
Wang, J.Y., Bartholomew, B.J., Streiff, M.L., Starr, E.F., Pruitt, P.A. Field tests and signature analysis of an imaging CO_2 laser radar 4—54895
Wang, L. *see* Sim, S.H. 4—50588
Wang, M.Z. *see* Wah, P.K.S. 4—43202
Wang, N., Schwarz, S.E., Hierl, T. Monolithically integrated Gunn oscillator at 35 GHz 4—46619
Wang, P.C., Stelling, C.B., Mattingly, S.S., Powell, D.E. In vivo breast magnetic resonance imaging using a prototype breast coil 4—61781
Wang, P.C. *see* Ward, C.R. 4—35703
Wang, P.D., Selvin, E., Robinson, G.Y. Growth of n-type Ge on Si by MBE 4—50760
Wang, P.J., Wessels, B.W. Heteroepitaxial growth of high mobility InAsP from the vapor phase 4—35470
Wang, P.K.C., Sarina, J.C. Control of reflector vibrations in large spaceborne antennas by means of movable dampers 4—43001
Wang, Q.R. *see* Suen, C Y. 4—32042
Wang, R.H. *see* Anderson, C.J. 4—52497
Wang, S.. *see* Antreasyan, A. 4—37383
Wang, S. *see* Choi, H.K. 4—42644
Wang, S. *see* Kawaguchi-Izawa, K. 4—59946
Wang, S. *see* Sugino, T. 4—37384
Wang, S.C. *see* Gibbons, M.D. 4—55240
Wang, S.J. *see* Fang, Y.K. 4—30634
Wang, S.Y. The structural response of a rail accelerator 4—42813
Wang, S.Y., Bloom, D.M., Collins, D.M. Ultrahigh speed photodetectors 4—59332
Wang, S.Y. *see* Zana, L.M. 4—42806
Wang, T., Zheng, H. Joint transform real time optical correlator using a noncrystalline film of As_2S_3 4—42734
Wang, T. *see* Rav-Noy, Z. 4—44447
Wang, T.G. High temperature acoustic levitation 4—56374
Wang, T.G., Trinh, E., Rhim, W.-K., Kerrisk, D., Barmatz, M., Elleman, D.D. Containerless processing technologies at the Jet Propulsion Laboratory 4—50733
Wang, T.J. *see* Hsueh, C.Y. 4—37450
Wang, W. *see* Chu, S.F. 4—36405
Wang, W. *see* Johnson, T.A. 4—36651
Wang, W. *see* Tsou, S. 4—36337
Wang, W.-C. *see* Onishi, S. 4—52429
Wang, W.I. Molecular beam epitaxial growth and material properties of GaAs and AlGaAs on Si (100) 4—46212
Wang, W.I. Amorphous gallium arsenide as caps for ion implantation and annealing 4—46928
Wang, W.I. *see* Mendez, E.E. 4—58775
Wang, W.I. *see* Tiwari, S. 4—58929
Wang, X. *see* Ling, L.-B. 4—60237
Wang, X.A. *see* Hsieh, C.K. 4—58071
Wang, Y. *see* Auld, B.A. 4—52337
Wang, Y.-L. *see* Young, T.Y. 4—53891
Wang, Y.T. *see* Morris, R.J.T. 4—47935
Wang, Y.X., Holloway, P.H. Effect of ion sputtering on the interface chemistry and electrical properties of Au/*n*-GaAs(100) Schottky contacts 4—41889
Wang, Y.Y., Lin, M.R., Wan, C.C. A study of the discharge performance of the Ti/Fe redox flow system 4—45602
Wang, Y.Y. *see* Huang, F.S. 4—46243
Wang, Z., Hunt, B.R. Comparative performance of two different versions of the discrete cosine transform 4—47838
Wang, Z.C., Haken, H. Theory of two-photon lasers. I. Semiclassical theory 4—52830
Wang, Z.C., Haken, H. Theory of two-photon lasers. II. Fokker-Planck equation treatment 4—52831
Wang, Z.C., Haken, H. Theory of two-photon lasers. III. Two-photon laser with injected signal 4—52832
Wang Baomu *see* Wang Enyue 4—47226, 4—59161
Wang Ben *see* Ben Wang
Wang Bohua *see* Hu Weisheng 4—44631
Wang Chao *see* Wang Dinghua 4—59551
Wang Cheng-dao *see* Zhang Ming 4—53796
Wang Chi-Shun *see* Chi-Shun Wang
Wang Daheng, Wo Xinneng Laser application activities in China 4—37514
Wang Daheng, Chow Quantie, Sheng Erzhen, Chu Zhenhe *(editor)* Beijing/Shanghai Proceedings of an International Conference on Lasers 4—29137
Wang Dao, Su Wen, Wang Suya, Li Wan Determination and catalytic purification of working gases for JL6A CO_2 laser 4—59407
Wang De-ning, Chao Shu-shen An investigation of dynamic characteristics for the buried crescent InGaAsP/InP laser 4—52953
Wang De-ren, Bai Jian-dong Integrated design of circulator-parametric amplifier 4—58514
Wang Dinghua, Wang Chao, Rong Huiling, Tu Ruifang A beam expanding grating plane cavity for TEA CO_2 lasers 4—59551
Wang En-Yue *see* Jiao Zheng-Kuan 4—52477
Wang Enyao *see* Jiao Zhengkuan 4—42306
Wang Enyue, Wang Baomu, Xue Qinxiu, Zhu Xuewu, Jiao Zhengkuan, Chen Zhuomin Acoustic emission from structural materials of superconducting magnets 4—47226
Wang Enyue, Wang Baomu, Xue Qinxiu, Zhu Xuewu, Jiao Zhengkuan, Chen Zhuomin Acoustic emission from structural materials of superconducting magnets 4—59161
Wang Fengjuan *see* Liu Jinshou 4—59415
Wang Fengyun *see* Xie Peiliang 4—47407
Wang Fudun, Gong Guangyuan Electric charge neutralization discharge and its application to gas lasers 4—31300
Wang Fugui *see* He Guangsheng 4—53059
Wang Gongqing, Liu Jingyi, Xiao Genlai, Liang Yusheng, Lu Shangnu, Zhang Yiping Efficiency calibration for Ge(Li) detector 4—49065
Wang Guirong *see* Li Shishu 4—42307
Wang Guo-Jun *see* Guo-Jun Wang
Wang Guoqiang, Cao Meiliang, Zhang Yuncai, Zhou Fengbin Hydrodynamic performance of steering-ducted propeller 4—57442
Wang Hailong *see* Zhu Xiachun 4—31382
Wang Han-chun, Yang Zhi-hua The calibration of the high pressure microphone calibrator 4—33008
Wang Han-li, Zhang Ri-rong Further research on eigenvalues of corrugated systems 4—42896
Wang Hao *see* Zou Haixin 4—53049
Wang Hong Recent researches on electronic functional ceramics in Shanghai Institute of Ceramics 4—30854
Wang Hongxiang *see* Lui Xiangling 4—31195
Wang Hongzhen, Zhu Beili, Zhu Wuhua Determination of sound power under water through the measurement of sound intensity with a two-hydrophone system 4—55769
Wang Hongzhen *see* Ye Weichun 4—55768
Wang Huanjie *see* Wang Jitao 4—30683
Wang Ji-shen, Xu Jing-fang, Chen Jian-wu Electrical properties of boron-implanted polysilicon films 4—51976
Wang Jiahai *see* Jiang Jingkai 4—31027
Wang Jian *see* Xu Jingyu 4—31125
Wang Jian-zhon, Huang Da-ren The asymptotic expansions of quintic lacunary interpolation splines 4—57956
Wang Jianguo *see* Li Jiazhi 4—37149
Wang Jingxing *see* Jiao Zhengkuan 4—42306
Wang Jingyun *see* Fei Haosheng 4—59552
Wang Jingyun *see* Wang Xiaojing 4—52929
Wang Jingyun *see* Zhang Zhaixuan 4—59461
Wang Jitao, Wang Huanjie, Lian Meihua, Ni Weixing, Zhang Shili The growth of silicon nitride films by using a diffusion furnace type plasma-enhanced chemical vapor deposition system 4—30683
Wang Jiyang *see* Ruan Yongsheng 4—31351
Wang Jizhong, Zhang Wenzhi Separation of absolute retardation fringes by using polarization holography 4—37501
Wang Jun *see* Zhang Yu-heng 4—52483
Wang Jun Jun Numerical optimisation of equalising filters for digital optical communication 4—44134
Wang Keqin *see* Cao Liezhao 4—44650
Wang Kuiwu *see* Jiao Zhengkuan 4—42306
Wang Li *see* Li Wang
Wang Lie-heng A note on the finite element methods for general axisymmetric elliptic boundary value problems 4—57992
Wang Linzhou, Li Lili The investigation of some properties of proportional chambers 4—39408
Wang Liufu *see* Yu Zhenzhong 4—61388
Wang Maoquan, Zhang Yuheng Optimum design for the circuit systems of pulse strong magnetic fields. Theory and method 4—53186
Wang Maoquan *see* Zhang Yuheng 4—47562
Wang Maw-Ling *see* Maw-Ling Wang
Wang Mingchang, Zhou Huifen Design of permanent magnetic wiggler and the experiment of device with a few periods 4—59370
Wang Mingchang, Zhou Huifen, Wang Zhijiang Computer simulation of free electron lasers with variable Wigglers 4—59367
Wang Mingzhung DISDAMA system [digital satellite telecommunications DAMA systems] 4—54730
Wang Peng-ye *see* Zhang Hong-jun 4—52711
Wang Qian *see* Jiao Zheng-Kuan 4—52477
Wang Qian *see* Jiao Zhengkuan 4—42306
Wang Ren-li, Yue Zhen-wu, Shi Bing-xue, Li Zhi-jian Research and improvement of MOS self-bias voltage generator in LSI 4—41180
Wang Renwen, Lei Shizhan A free electron laser with variable spatial period length in wiggler 4—31268
Wang Renwen, Lei Shizhan A free-electron laser with variable spatial periodic length in the wiggler 4—37255
Wang Rugeng *see* Chen Wanxing 4—29521
Wang Run, Chen Jufang, Zhou Shouzeng Spinodal decomposition and magnetic hardening of Fe-23Cr-15Co-2Mo-0.5Ti permanent magnets 4—30959
Wang Ruqing *see* Sha Guohe 4—37316
Wang Shan *see* Wu Ouqi 4—55292
Wang Shaoying *see* Zhao Zhonghong 4—37314
Wang Shen-ge *see* Shen-ge Wang

Wang Shouwu, Wu Ronghan, Zhu Qigao, Zhang Quansheng, Li Zhaoyin, Tian Huliang A GaAs-GaAlAs PNPN negative-resistance laser with low threshold current density 4—37390
Wang Shouzheng *see* Ment Xiaofan 4—37057
Wang Shu-hong *see* Luo Zi-hua 4—44661
Wang Shuicai, Shi Ke Ultrashort laser pulses for study of the picosecond image tube camera 4—33156
Wang Shutang, Pan Rongjun, Zeng Jing Liquid phase epitaxial growth of $In_{0.53}Ga_{0.47}As$ 4—46215
Wang Shyh *see* Shyh Wang
Wang Suya *see* Wang Dao 4—59407
Wang Ting-Xiang *see* Du You-Wei 4—50836
Wang Tingfu, Chang Chunyu Influence of longitudinal optical inhomogeneity of a nonlinear crystal on frequency doubling 4—31469
Wang Tingyuan *see* Liu Lingling 4—59459
Wang Wengui *see* Chen Yisheng 4—61565
Wang Wenyao *see* Gao Fuyuan 4—31470
Wang Xiang-xi *see* Fang Dun-fu 4—36271
Wang Xiangdi *see* Wei Yinan 4—47894
Wang Xiangming *see* Qin Fuguang 4—46216
Wang Xiaojing, Jing Tianfen, Wang Jingyun A nitrogen laser pumped double wavelength dye laser 4—52929
Wang Xinmei Analysis on the burst-error correcting ability of cyclic codes and the Golay code 4—59936
Wang Xueling *see* Sha Guohe 4—37316
Wang Yan *see* Ding Mo-yuan 4—58890
Wang Yang *see* Hu Shiheng 4—37319
Wang Yang-yuan, Zhang Ai-zhen The characteristics of oxidation of polycrystalline silicon films in VLSI 4—52006
Wang Yen-chu *see* Wei Ce-jun 4—41864
Wang Yening *see* Hong Jingfen 4—37467
Wang Yi-hua *see* Lei Zhen-huan 4—59106
Wang Yifang Model LG-1000 high power meter for lasers with flowing water compensation 4—31429
Wang Yiman *see* Gong Desheng 4—31305
Wang Yin-yue, Zhang Fang-qing, Zhang Qing, Chen Guang-hua Annealing effects on a-Si:H density of states in gap by field effect method 4—52087
Wang Yong-Guang *see* Xiao Zuo 4—31634
Wang Yongxing *see* Li Yushan 4—59265
Wang Yu-min Throughput efficiency of selective-repeat ARQ schemes 4—43090
Wang Yu-ming *see* Li Kang 4—56830
Wang Yu-zhen *see* Li Sze-yuan 4—51882
Wang Yuanrong *see* Yuan Hailin 4—61566
Wang Yugi *see* Chen Wanxing 4—29521
Wang Yumin, Gui Zenxin, Zhang Shunyi, Ding Zean Investigation on spectral characteristics of branch selected CO laser at room temperature with F-P etalon 4—59410
Wang Yumin, Shu Lin The performance of the hybrid scheme using block and convolutional codes 4—60751
Wang Yuping *see* Liu Peitian 4—59479
Wang Yutang, Fan Xiaoquan Multiple imaging by phase grating 4—53896
Wang Yuzhi *see* Xie Peiliang 4—47407
Wang Yuzhu *see* Liao Shiqiang 4—53048
Wang Zeyi *see* Wu Qiming 4—47023
Wang Zheen, Su Baorong, Hu Shaoyi, Chen Kexin, Wu Donglai, Xi Quanxin, Cui Jinsi, Yu Zhijiang, Cheng Zhaogu A 2.5-kW transverse-flow CO_2 laser 4—37323
Wang Zheen *see* Cheng Zhaogu 4—31304
Wang Zhengxiao Two dimensional numerical analysis of GaAs FETs by using finite-element method 4—47022
Wang Zhenqi *see* Sha Guohe 4—37316
Wang Zhijiang *see* Wang Mingchang 4—59367
Wang Zhiying *see* Wu Cunkai 4—37466, 4—59596
Wang Zhongming A model of single longitudinal mode semiconductor laser by means of internal-reflection optical coupling 4—31381
Wang Zhongyang *see* Niu Fang 4—39398
Wang Zhongzhi *see* Tu Shigu 4—31295
Wang Zhu-hong *see* He Zheng-quan 4—58204
Wang Zicong *see* Shen Jian 4—45586
Wang Zu-guang The use of conformal transformation to improve the analysis of the behavior of distance relays during power swings 4—56667
Wang Zuyou *see* Shen Jianping 4—45191
Wang-Jun *see* Zhang Yu-heng 4—52482
Wangsmo, T., Riddervold, H. Improved safety in fire and gas/ESD systems [emergency shutdown systems] 4—62880
Wanless, J.W. *see* Sliter, G.E. 4—59086
Wanless, P. *see* Saunders, R. 4—50676
Wann, D.F. *see* Rosenberger, F.U. 4—41302
Wann-Joe Sun, Coppolecchia, V.D., Daudet, H.C., Mock, E.A. Industrial coal-fired cogeneration: capital costs of steam cycle and closed gas turbine cycle plants 4—49768
Wannberg, G. *see* Steen, A. 4—56298
Wanot, S. *see* Rumin, Z. 4—45814
Wanru Liu *see* Liu Wanru
Wanru Zhuang *see* Zhuang Wanru
Wanschers, L.H. *see* Heideman, G.H.L.M. 4—43474
Wanser, G. Cable technology and fire protection 4—35254
Wanuga, S. *see* Chao, P.C. 4—36058, 4—58549
Wanxing Chen *see* Chen Wanxing
Warabisako, T. *see* Miyake, K. 4—46945
Warabisako, T. *see* Tokiguchi, K. 4—40480
Warchhold, P. *see* Stieger, G. 4—43888
Ward, A. *see* Sarma, M.S. 4—31051
Ward, A.A., Heaton, J.M., Solymar, L. Efficient noise gratings in silver halide emulsions 4—47529
Ward, A.A. *see* Cooke, D.J. 4—31501
Ward, A.V. *see* Buckley-Golder, D.H. 4—56724
Ward, B., Subandhi, T. A computer terminal for the visually impaired 4—49290
Ward, B. *see* Munier, J.M. 4—55078
Ward, B.W., Liu, D.W., DeCristofaro, D., Scidmore, P. Speech synthesis for ICU alarms 4—49340
Ward, C.R. ICNIA—software programmable integrated CNI avionics 4—44860
Ward, C.R., Robson, A.J., Hargrave, P.J., McWhirter, J.G. The application of a systolic least squares processing array to adaptive beamforming 4—60112
Ward, C.R., Wang, P.C. Processor for multiple, continuous, spread spectrum signals 4—35703
Ward, D.J., Wong, R.H. An analysis of loss measurements on older distribution transformers 4—62580
Ward, H.T. Method of determining the performance limits of a device under test [signature analysis] 4—51078
Ward, H.T. *see* Smith, C.D. 4—46535
Ward, J.F. *see* Segall, S.B. 4—47375
Ward, J.F. *see* Von Laven, S. 4—37273, 4—47475
Ward, J.S. Number representations for prime length DFTs 4—31948
Ward, K.E. Network planning I. Basic principles 4—60415
Ward, K.E. Network planning. II. The integrated services digital network 4—60416
Ward, M. *see* Chang, J. 4—33142
Ward, P.C. Estimation of HPS lamp voltage rise as a function of ballast characteristic curve parameters 4—57513
Ward, P.J. *see* Hunt, P.C. 4—30753
Ward, P.W. *see* Burgett, W.S. 4—38733
Ward, R., Franklin, A.R., Gould, P., Plummer, M.J., Lewin, I.H. Prospects for the 1:1 electron image projector 4—36665
Ward, R., Paul, E., Walker, L. New approaches for card testing from Hewlett-Packard 4—50518
Ward, R.K., Tabandeh, M. Error correction and detection, a geometric approach 4—53383
Ward, T.D., Badewitz, R.C. Real time translator design considerations 4—38747
Ward, W.T. Demands on connectors lead to new materials development 4—58595
Ward-Hunt, D. Waveform multiplier [electronic music] 4—33020
Warde, C., Thackara, J. Materials limitations of the microchannel spatial light modulator 4—42412
Warde, C.J. *see* Rowan, J.W. 4—40425
Wardell, T. *see* Kuether, R.C. 4—49757
Wardi, Y.Y. *see* Polak, E. 4—57952
Wardley, F.L. Asbestos-based electrical insulating papers and boards—an environmental perspective 4—36975
Wardrip, C., Buisson, J., Oaks, O., Lister, M., Stebbins, S., Guinot, B., Granveaud, M., Freon, G., Dubois, B., Schluter, W., Nottarp, K., Reinhardt, V., Kruger, R., Dachel, P., Detoma, E., Ingold, J., Roloff, R., Stalder, T. An international time transfer experiment 4—39331
Wardworth, G. *see* Wong, W.-H. 4—39530
Ware, D. Development of stepping motor tester 4—34230
Ware, F., Lin, L., Wong, R., Woo, B., Hansen, C. Fast 64-bit chip set gangs up for double-precision floating-point work 4—51268
Ware, F. *see* Woo, B. 4—60069
Ware, R.M. *see* Rumsby, D. 4—30350
Warfield Moy, M. A virtual memory system using the MC68010 4—41392
Warga, J. Second order necessary conditions in optimization 4—57950
Wargo, M.J., Witt, A.F. Determination of the Peltier coefficient from current induced growth layers: InSb/melt 4—36270
Warkotsch, A. The application of a superposed pilot tone for digital baseband transmission on coaxial cables 4—43828
Warkotsch, A. *see* Dirndorfer, H. 4—32619
Warlaumont, J.M. *see* Acosta, R.E. 4—52162
Warlaumont, J.M. *see* Haelbich, R.P. 4—52012
Warlaumont, J.M. *see* Silverman, J.P. 4—36377, 4—52155
Warman, K., Raso, V.J. The development of microprocessor based aids for the handicapped 4—56154
Warmuth, D.B., Etter, W.T. Future monitoring and control of military strategic communications systems 4—32218
Warmuth, D.B. *see* Etter, W.T. 4—32221
Warnaka, G.E. *see* Poole, L.A. 4—53754
Warnecke, H.J. *see* Ahlers, R.-J. 4—61594
Warner, A. Variable format scanner/recorder for graphic arts 4—31529
Warner, A. Variable format laser scanner/recorder 4—53128
Warner, C., Merk, R., Brown, G.J., Keune, C.M. Handoff assigned multiple access (HAMA): a new multiple access protocol for computer communication networks 4—32114
Warner, M. New technology, work organizations and industrial relations 4—45904
Warner, R.G. Shielding against electromagnetic interference 4—59762
Warner, R.M., Jr., Jindal, R.P., Grung, B.L. Field and related semiconductor-surface and equilibrium-step-junction variables in terms of the general solution 4—51824
Warner, R.M., Jr. *see* Ju, D.-H. 4—52146
Warner, R.M., Jr. *see* Tuszynski, A. 4—29237
Warner, S.C. *see* Mapps, D.J. 4—42269
Warnes, B.M., Aplan, F.F., Simkovich, G. Electrical conductivity and Seebeck voltage of Fe_2O_3, pure and doped, as a function of temperature and oxygen pressure 4—46841
Warnick, D. *see* Boroff, J. 4—32216
Warnke, L.L., Westerfield, E.E. Use of GPS for determining position of drifting buoys 4—38741
Warnock, J.G., Merrett, A.J. Economic and financial approaches to planning relatively high capital cost energy options such as hydroelectric power development 4—34127
Warren, C. The Ptarmigan system 4—54646
Warren, D. 'Mole' digs deep [buried cable maintenance] 4—54598
Warren, G.J. *see* Ing, H. 4—33657
Warren, K. An improved monolithic accelerometer 4—61367
Warren, R.W., Fraser, J.S., Stein, W.E., Winston, J.G., Swann, T.A., Lumpkin, A., Sheffield, R.L., Sollid, J.E., Newnam, B.E., Brau, C.A., Watson, J.M. The Los Alamos free-electron laser oscillator experiment: plans and present status 4—47371
Warren, R.W. *see* Newnam, B.E. 4—47370
Warren, R.W. *see* Sheffield, R.L. 4—47373
Warrier, A.V.R. *see* Gopal, V. 4—61391
Warrington, I.M. *see* Senensieb, G.A. 4—53519
Warscheid, W. *see* Schollmeyer, H. 4—29704
Warter, P.J., Delp, G.S., Garcia-Colevatti, J.L., Dalton, J., Baumeister, J. A median filter architecture suitable for VLSI implementation 4—41510
Wasa, K. *see* Kawaguchi, T. 4—52542
Wasa, K. *see* Setsune, K. 4—42210, 4—52741
Waser, D., Grueter, H. Investigation of the effective attenuation of power line filters under operating conditions 4—58441
Waser, D.R. EMC design relative to power-line-filter selection and cost effectiveness 4—37638
Washbourn, D.H. *see* Mazza, R.J. 4—49047
Washburn, J. *see* Mazur, J.H. 4—51883
Washburn, J. *see* Sands, T. 4—36426, 4—51815
Washburn, J. *see* Wu, N.R. 4—36425
Washburn, J. *see* Yih-Cheng Shih 4—51936
Washburn, S., Webb, R.A., Mendez, E.E., Chang, L.L., Esaki, L. Weak localization of two-dimensional conduction holes 4—30412
Washington, M.A. *see* Gates, J.V. 4—31069
Washino, H. *see* Kishida, Y. 4—33154
Washio, K. *see* Morishige, Y. 4—37345
Washio, K. *see* Nakazawa, M. 4—52581
Washio, K. *see* Yokoyama, H. 4—29503
Washio, S. *see* Tomita, S. 4—60460
Washiyama, M. *see* Aoki, M. 4—46211
Washizuka, S. *see* Watanabe, M. 4—50747
Washwell, E.R., Bjorklund, C.M., Loe, R.S., Ozawa, J.T., Peterson, D.G., Rossi, G.R. Applications of FM-CW CO_2 waveguide laser radar 4—54894
Wasielewski, M.C. *see* Thornburg, D.D. 4—48532
Wasilewski, W. Experience of the application of the central E-10 system in the Lodz telecommunication loop 4—43890
Wasilkowski, G.W., Wozniakowski, H. Can adaption help on the average? 4—57996
Wasilkowski, G.W. *see* Traub, J.F. 4—35435
Wasim, S.M., Noguera, A. Transport properties of n-type $CuInSe_2$ 4—36297
Wasko, E.A. *see* Baker, K.M. 4—46731
Wasley, R.G., Erkmen, I. An interactive computer graphics facility for power engineering studies 4—62030
Wasmundt, K.C. *see* Fatehi, M.T. 4—52710
Wasowicz, S. Impedance and electrodynamic forces acting on a cylindrical conductor of the starting cage of a double-cage-motor 4—34642
Wasowicz, Z. *see* Domagala, J. 4—30225
Wasowski, A. *see* Bialek, J. 4—35048
Wassenaar, R.F. *see* Seevinck, E. 4—51502
Wassink, D. *see* Meyer, C. 4—32222
Wassink, R.J.K. Soldering in electronics 4—57693
Wasson, O.A. *see* Dias, M.S. 4—61692
Wasson, R.L. The future flying office 4—49405
Wassyng, A. *see* Smith, K.A. 4—35176
Waszczuk, T., Kujawska, T., Somer, J.C. Focusing of an ultrasonic beam by means of a piezoelectric annular array 4—56341

Waszkiewicz, L., Liebhart, J., Malolepszey, J., Bilinska-Peisert, H., Kin-Dittmann, I., Blaczkowska, A., Liebhart, E. Automatic recording of some variables for a biological model, for example an electrocardiogram, EKG, registration and other symptoms of some chronic lung diseases 4—39570
Wat, A., Chen, K.-C. Manual alignment results using the Perkin-Elmer M341 and electron-beam masks 4—36669
Watabe, H. *see* Saito, H. 4—44443
Watabe, K. *see* Kiryu, T. 4—54379
Watabe, S. *see* Akagiri, Y. 4—33043
Watahiki, T. *see* Uehara, K. 4—46527
Watanabe, A. *see* Okano, K. 4—54203
Watanabe, D.S., Sheikh, O.M. One-leg formulas for stiff ordinary differential equations 4—41015
Watanabe, F., Hiramatsu, S., Ishimaru, H. Workshop notes and short contributions 4—49037
Watanabe, G. *see* Kano, I. 4—56816
Watanabe, H. A perspective from Japan 4—60371
Watanabe, H. DC linear actuator and its application 4—62677
Watanabe, H., Hoshi, H., Kikuchi, H. A synthesis of an active RC filter with reduced GB effect of operational amplifier 4—58446
Watanabe, H., Kawabe, K., Saito, K. Digital local switching system software design 4—38401
Watanabe, H., Miyanaga, Y., Miki, N., Nagai, N. On a construction of stable reduced order ARMA model 4—29332
Watanabe, H., Okuda, S. A monocyclic motor using forced commutated thyristors 4—57009
Watanabe, H., Shimizu, H. Energy trapping of backward-wave width-extensional vibrations in piezoelectric strips and its application to filters 4—30925
Watanabe, H., Shimizu, H. Energy trapping of backward-wave width-extensional vibrations in piezoelectric strips and its application to filters 4—59107
Watanabe, H. *see* Iseki, Y. 4—42206
Watanabe, H. *see* Kamejima, T. 4—30332
Watanabe, H. *see* Kedem, G. 4—30669
Watanabe, I. Resist pattern reformation by reactive ion etching with $Ar+CH_4$ gas mixture and its application 4—41985
Watanabe, I. *see* Saitoh, Y. 4—36391
Watanabe, I. *see* Sawatari, N. 4—41113
Watanabe, K., Endo, T., Nakajima, A. System design for facsimile intelligent communication system (FICS-2) 4—38229
Watanabe, K., Mochizuki, M. An automatic test equipment for automotive engine ignitors 4—45726
Watanabe, K., Suzuki, R., Saito, M., Tsuchihashi, M. Electrode phenomena in metal halide lamps 4—57510
Watanabe, K., Tumer, M. An automotive engine calibration system using microcomputer 4—61211
Watanabe, K., Yamamoto, T. Facsimile transmission systems 4—43685
Watanabe, K. *see* Aoki, Y. 4—52530
Watanabe, K. *see* Chung, W.S. 4—46555
Watanabe, K. *see* Endo, T. 4—54165
Watanabe, K. *see* Gotoh, T. 4—48668
Watanabe, K. *see* Ichimura, K. 4—30283
Watanabe, K. *see* Kobayashi, K. 4—35862
Watanabe, K. *see* Ukikusa, H. 4—50245
Watanabe, K. *see* Yamada, T. 4—54527
Watanabe, K. *see* Yasumoto, M. 4—51407
Watanabe, M. The 2*r*th mean covergence of adaptive filters with stationary dependent random variables 4—43303
Watanabe, M., Fujii, T., Ushizawa, J., Washizuka, S. Growth and characterization of low dislocation large GaP single crystals 4—50747
Watanabe, M. *see* Endoh, A. 4—31309
Watanabe, M. *see* Kyoto, M. 4—52613
Watanabe, M. *see* Okamura, Y. 4—37088
Watanabe, M. *see* Tanaka, S. 4—31108
Watanabe, M.O., Morizuka, K., Mashita, M., Ashizawa, Y., Zohta, Y. Donor levels in Si-doped AlGaAs grown by MB 4—30321
Watanabe, N., Yamada, N. Operating mode of converter without commutation overlap angle [cycloconvertors] 4—40327
Watanabe, N. *see* Hase, I. 4—41867
Watanabe, N. *see* Ikeda, S. 4—39490
Watanabe, N. *see* Kato, Y. 4—29825, 4—41440
Watanabe, N. *see* Kinoshita, Y. 4—34349
Watanabe, N. *see* Kobayashi, K.L.I. 4—50748
Watanabe, N. *see* Kozuka, S.-I. 4—32000
Watanabe, N. *see* Mori, Y. 4—50828
Watanabe, N. *see* Ohya, M. 4—60874
Watanabe, N. *see* Rauh, H. 4—55986, 4—61728
Watanabe, N. *see* Satou, K. 4—43740
Watanabe, R., Okada, K., Tanaka, C. Optical subscriber system for business premises application 4—44099
Watanabe, R. *see* Tsuyuki, S. 4—54777
Watanabe, S., Nitta, T. Recent trends in speech recognition 4—31917
Watanabe, S. *see* Endoh, A. 4—31309
Watanabe, S. *see* Hiramatsu, R. 4—57188
Watanabe, S. *see* Okzaki, M. 4—30906
Watanabe, T. A study of motion-voice synchronization 4—33785
Watanabe, T., Fujinami, H., Takuma, T., Sunaga, Y. DC corona discharge characteristics and ion flow distributions for several types of rods under low pressure [electrostatic precipitators] 4—53182
Watanabe, T., Hashiguchi, K., Yamano, T., Nakai, J.-I., Miyatake, S., Matsui, O., Awane, K. A CCD color signal separation IC for single-chip color imagers 4—32944
Watanabe, T., Hashiguchi, K., Yamano, T., Nakai, J.-I., Miyatake, S., Matsui, O., Awane, K. A CCD color signal separation IC for single-chip color imagers 4—39063
Watanabe, T., Sakagami, I., Hatori, K. On the realization of the code generator by constant-resistance distributed-coupled-line networks 4—43131
Watanabe, T., Yoshida, Y. Dielectric breakdown of gate insulator due to reactive ion etching 4—42121
Watanabe, T. *see* Aoyama, T. 4—39438
Watanabe, T. *see* Ishihara, K. 4—57607
Watanabe, T. *see* McCollor, D.C. 4—33963
Watanabe, T. *see* Nishikawa, S. 4—59322
Watanabe, T. *see* Okumura, K. 4—58344
Watanabe, T. *see* Takahashi, T. 4—53472
Watanabe, T. *see* Yano, T. 4—52302
Watanabe, Y., Nagao, T., Hatamura, Y. Development of a spindle-mounted thrust-torque telemeter 4—55282
Watanabe, Y., Oomura, Y. Digitally temperature compensated crystal oscillator 4—52355
Watanabe, Y., Sakai, Y. A graphic method for estimating equivalent dipole of localized EEG discharge 4—44750
Watanabe, Y. *see* Fudeyasu, T. 4—55558
Watanabe, Y. *see* Kishizima, I. 4—56700
Watanabe, Y. *see* Mori, H. 4—54541
Watanabe, Y. *see* Murano, K. 4—52701
Watanabe, Y. *see* Takata, K. 4—33852
Watanbe, M. The industry in the '80s 4—30715
Watari, M. *see* Takahashi, T. 4—53472
Wateren, E.H.van der *see* van der Wateren, E.H.
Waterfall, R.C., Dickinson, K.W. Image processing applied to traffic. II. Practical experience 4—32962
Waterkeyn, C., Gautier, H. Detailed analysis of slanted reflective array compressors 4—52419
Waterman, P.J. Conducting radio astronomy in the EMC environment 4—31698
Waters, A.G. Project Universe: a showcase for high speed communication 4—38319
Waters, A.G. The performance of the satellite bridge in the Universe Project 4—48442
Waters, C.A. *see* Jenkins, J.O. 4—48808
Waters, C.B., Sloane, T.H.A. Recent instrument developments enhance the capabilities of certain wave-recording systems 4—39734
Waters, D.G.P. Test program generation for large scale integrated circuits 4—35716
Waters, R.G., Chinn, S.R., Schwartz, B.D. Optically pumped semiconductor laser material 4—52959
Waterworth, J.A. Interaction with machine by voice—human factors issues 4—59953
Watford, B. *see* Taylor, S. 4—46510
Watjen, J.P. *see* Tran, N.H. 4—31489
Watkins, C.F. Determination of safe distances for human exposure to radio frequency electromagnetic fields based on ANSI C95.1-1982 standard—a graphical method 4—61834
Watkins, E.T. *see* Schellenberg, J.M. 4—30658
Watkins, E.T. *see* Schellenburg, J.M. 4—41607
Watkins, E.T. *see* Yamasaki, H. 4—58548
Watkins, L., Jr. *see* Mower, M.M. 4—44786
Watkinson, J.R. Variable-speed video playback 4—38871
Watkinson, J.R. DASH format and the PCM-3324 4—38965
Watkinson, J.R. Error correction techniques in digital audio 4—44382
Watkinson, J.R. Variable-speed video playback 4—55060
Watkinson, J.R. Variable-speed video. III. C-format timebase correction 4—61083
Watson, A. Electrohydrodynamic behaviour of a viscous dielectric fluid determining its current response to steadily changing voltage 4—52325
Watson, A.B. *see* Ahumada, A.J., Jr. 4—53836
Watson, A.W.D. Improvements in the suppression of external nonlinearities ('rusty bolt' effects) which affect naval radio systems 4—37637
Watson, D.B. Unbalanced loading of star-star connected three phase transformer 4—57128
Watson, F., Snalam, M. A new video tape area at Yorkshire Television 4—32902
Watson, G.H. Deployment of large photovoltaic systems for grid power supplementation at San Clemente Island 4—34504
Watson, I. The integrated services local network 4—60619
Watson, I.D. Line-source model predictions of carbon monoxide concentrations in Sydney 4—33994
Watson, J. Analog and switching circuit design using integrated and discrete devices 4—57730
Watson, J.D. *see* Nyaiesh, A.R. 4—41114
Watson, J.H.P., Watson, S.J.P. The ball matrix magnetic separator 4—31616
Watson, J.L. *see* Jones, P.A. 4—31106
Watson, J.M. *see* Warren, R.W. 4—47371
Watson, J.R., McClanahan, T.S., Weatherington, R.W. Ammonia production from coal by utilization of Texaco coal gasification process 4—35087
Watson, M.E. Terminators that satisfy data link requirements 4—38373
Watson, M.L. *see* Mapps, D.J. 4—42269
Watson, N. Broadband microwave phase shifter 4—36030
Watson, P. Telecom's mobile telephone system 4—48301
Watson, P.A., Gardiner, J.G. Experimental land mobile satellite system 4—38499
Watson, P.A. *see* Leitao, M.J. 4—47599
Watson, R.E. An overview of United States synchrotron radiation facilities 4—55786
Watson, R.E. *see* Winick, H. 4—55804
Watson, S.J.P. *see* Watson, J.H.P. 4—31616
Watson, W.B. Modelling and monitoring a LAN, one experience 4—43503
Watt, M.M. *see* Malm, H.L. 4—61673
Watt, S., Green, P.F., Durrani, S.A. Studies of annealing anisotropy of fission tracks in mineral apatite using track-in-track (TINT) length measurements 4—55933
Watt, S. *see* Ramli, A.G. 4—55910
Watt, T.L. *see* Bednar, J.B. 4—31970
Wattembach, R. *see* Durwen, E.J. 4—36077
Wattenbach, R. *see* Roser, H.P. 4—38757, 4—48905, 4—59429
Watton, R., Manning, P., Burgess, D. Interface design for the pyroelectric/CCD hybrid [IR imager] 4—55460
Wattrelot, F. *see* Bernard, R. 4—56273
Watts, D. A digital audio system for satellite cable and broadcasting 4—60979
Watts, J. *see* Ashall, J. 4—38592
Watts, J. *see* Stephens, M.J. 4—33290
Watts, J.S. *see* Kern, F.W., Jr. 4—50222
Watts, K.C., Hassan, K.M., Sarwal, S.N., Alexander, H.C., Graham, J.W. Analytical and experimental study of modified oscillating water column, wave energy extraction systems 4—34482
Watts, M. *see* Bartlett, K. 4—36820
Watts, M. *see* Hillis, G. 4—36746
Watts, M.P. *see* Evans, A.L. 4—61801
Watts, M.P. *see* Macfarlane, P.W. 4—49278
Watts, M.P.C. Electron beam resist systems—a critical review of recent developments [for VLSI] 4—30704
Watts, M.P.C. A high sensitivity two layer resist process for use in high resolution optical lithography [for VLSI] 4—58947
Watts, R. The ETI organ. I 4—33021
Watts, R. Organ. II 4—33025
Watts, R. Organ. III [electronic music] 4—33026
Watts, R. Organ. IV 4—38933
Watts, R. *see* Smith, S.A. 4—31241
Watts, R.K. *see* Fichtner, W. 4—36630
Watts, R.W. *see* Fedkiw, P.S. 4—50117
Wauer, J.C. A cockpit procedures trainer for the digital airplane 4—44853
Wautelet, M., Andrew, R., Laude, L.D. Laser-enhanced crystallization of Ge and Si 4—30493
Wavre, J.-J. *see* Borer, W.J. 4—56622
Wavre, N. Developments in electric motors for modern robotics 4—49830
Wawersig, J. *see* Kantz, D. 4—51244
Wawor, K.-H. Home video recorders. Videos synchronized 4—55057
Wawor, K.-H. Versatile use of a video recorder synchronized! 4—55058
Wawro, S. *see* Ludwicki, M. 4—49042
Wawrzinek, S. *see* Kern, P. 4—48063
Wawszczak, J. *see* Janowski, T. 4—62631
Wawszczak, J. *see* Walusiak, S. 4—51604
Wax, M., Kailath, T. Direct approach to two-filter smoothing formulae 4—31952
Wax, M., Kailath, T. Determining the number of signals by information theoretic criteria 4—37811
Wax, M., Kailath, T. Determining the number of signals by information theoretic criteria 4—53350
Wax, M., Kailath, T. A new approach to decentralized array processing 4—60133
Wax, M., Shan, T.-J., Kailath, T. Eigenstructure approach to detection and estimation by passive arrays. I. Direction-of-arrival and frequency estimation of narrowband sources. II. Source location and spectral density estimation of wideband sources 4—43058
Wax, M. *see* Sharman, K. 4—53775
Waymouth, J.F. Plasma arc lamps today and tomorrow 4—35034
Waynant, R.W., Eden, J.G. Measurement of kinetics of processes in rare-gas and mercury halide lasers 4—31339
Wazzan, A.R., Procaccia, H., David, J. Thermal-hydraulic characteristics of pressurized water reactors during commercial operation. IV. Saturation pressure, circulation ratio and carry-under in a PWR steam generator (Tricastin 1 nuclear power plant) 4—62326

Wazzan, A.R. *see* Procaccia, H. 4—62327
Weall, A. Pacific island power station 4—40139
Weall, A. Heavy fuel burning diesels power Pacific island 4—45316
Wearden, T. The reality of Mercury 4—54013
Wearmouth, W.R., Bishop, R.C.E. Hard, smooth, stress-free electroformed nickel for video discs 4—44285
Weatherbie, N.K. C³S in Japan: coordination and change [command, control and communication systems] 4—32199
Weatherington, R.W. *see* Watson, J.R. 4—35087
Weathersby, P.K., Flynn, E.T. Advances in prevention of diver decompression sickness 4—61828
Weathersby, P.K., Survanshi, S.S., Meyer, P. Spatial sensitivity of a planar positron camera 4—33809
Weaver, H.T. *see* Rose, B.H. 4—57340
Weaver, L.E. The costs of nuclear power: competitive, but irrelevant 4—56731
Weaver, L.J. Management consultants and technology 4—50403
Weaver, R. Computerised newsroom systems 4—44248
Weaver, R. The 'Newstar' electronic newsroom system 4—44250
Weaver, R. *see* Bondy, J. 4—49399
Weaver, R.M. Bath County schedule advanced 4—45357
Webb, A.B. *see* Dominy, L. 4—44181
Webb, C.C. *see* Kung, R.I. 4—51247
Webb, D.C. *see* Bucholtz, F. 4—52472
Webb, D.C. *see* Newman, H.S. 4—36075
Webb, D.J. Wave measurements with the SEASAT radar altimeter—a review 4—44921
Webb, D.J. *see* Daetwyler, K. 4—51945
Webb, G.E. *see* Kummer, D.A. 4—51143
Webb, G.N. Role of codes and standards in clinical engineering 4—56071
Webb, J.P. The fine-beam cathode-ray tube and the observant and enquiring student. IV 4—50373
Webb, J.le P. The fine-beam cathode-ray tube and the observant and enquiring student. I 4—29163
Webb, J. le P. The fine-beam cathode-ray tube and the observant and enquiring student. III. Using the tangential gun to obtain a value for the specific electronic charge e/m 4—41788
Webb, L. Shift register builds simple and low-cost RAM timing generator 4—58414
Webb, M. Sharp speed up 4—35888
Webb, M. Can circuit breaker test equipment be portable? 4—49986
Webb, M.K. Using local area networks for industrial process control 4—54412
Webb, N. *see* Wang, F.A. 4—35857
Webb, R.A. *see* Hartstein, A. 4—52131
Webb, R.A. *see* Washburn, S. 4—30412
Webb, R.P., Devlin, W.J. Travelling-wave laser amplifier experiments at 1.5 μm 4—59519
Webb, R.V. Instrumentation for real time identification and control applications 4—55224
Webb, R.W. *see* Ito, A. 4—36786
Webb, W.C. *see* Corbin, J.C. 4—37656
Webber, B.D. *see* Hollandsworth, R.P. 4—40373
Webber, I., Pilgrim, D.B., Thompson, M.A. The safe disposal of polychlorinated biphenyls 4—29211
Webber, W. *see* Schonfelder, V. 4—33779
Webborn, T.J.C. The use of automated ultrasonics for more reliable examination of welds 4—56370
Webby, D. Selection of network communications software 4—43596
Weber, B.A., Kulpa, S.M. A high-sensitivity near-millimeter-wave photoconductive detector using [Hg,Cd]Te 4—48902
Weber, B.V. *see* Neri, J.M. 4—34801
Weber, Ch. *see* Arefiev, A. 4—55843
Weber, C.L. *see* Polydoros, A. 4—53391, 4—53392
Weber, D.C. *see* Peebles, D.L. 4—37222
Weber, E.V. Electron beam systems at IBM: status report 4—36373
Weber, G. *see* Scheuble, B.S. 4—55603
Weber, H. *see* Herziger, G. 4—42664
Weber, H. *see* Krause, W. 4—59383
Weber, H.-C. *see* Artemiev, V. 4—61684
Weber, H.P. *see* Valk, B. 4—42703
Weber, J.C. 'Service 21'—a new PTT service 4—54533
Weber, J.C. *see* Formichelli, A.R. 4—30694
Weber, J.-C. The new Series 85 'Tritel' range of telephones 4—38349
Weber, J.W. *see* Huss, R.E. 4—44191
Weber, K. *see* Schmidt, K. 4—54969
Weber, K.-H. *see* Sansonetti, C.J. 4—47501
Weber, M. *see* Henley, B.L. 4—30210
Weber, M. *see* Joy, E.F. 4—30209, 4—46702
Weber, M.J. *see* Hall, D.W. 4—59482
Weber, P.G. *see* Jahoda, F.C. 4—53080
Weber, R. Introduction of microprocessors in energy supplies 4—56412
Weber, R. *see* Jakobsen, H.J. 4—60535
Weber, R. *see* O'Hara, E. 4—48252
Weber, S. *see* Greenberg, J. 4—46095
Weber, T. *see* Drexler, J. 4—39419
Weber, U. *see* Gunzel, K. 4—44263
Weber, W.R. Interferometrical measurement of the surface of laser components and the transmitted wave front of solid state laser resonators under operating conditions 4—31431
Webster, A.T., Doyle, N.E. Special material requirements for corrosion-resistant transmitters and meters offshore 4—61180
Webster, D. *see* Salomon, M. 4—33744
Webster, E.W. *see* Gitterman, M. 4—33863
Webster, F.M. *see* Nash, W.L. 4—55199
Webster, H.F. *see* Burgess, J.F. 4—57841
Webster, J.G. *see* Kim, Y. 4—44754, 4—49116, 4—49207
Wechsler, H. *see* Acharya, R.S. 4—53924
Weck, M., Stankowski, B. Universal grabber and tool changing system for industrial robots 4—50513
Weckenmann, A., Linhart, C. Absolute angular sensor for controlling robots 4—55435
Wedding, B. *see* Gasch, A. 4—46603
Wedding, B. *see* Paulus, P. 4—37453
Wedekind, G.L. *see* Bhatt, B.L. 4—55763
Wedel, U. *see* Neubauer, B. 4—49729
Wedemeyer, D.J. *(editor)* PTC '83. Pacific Telecommunications Conference 4—29130
Wedepohl, L.M. Power system transients: errors incurred in the numerical inversion of the Laplace transform 4—45068
Wedin, P.-A. *see* Lindstrom, P. 4—57945
Wedlake, J.O. *see* Lisle, P.H. 4—60320
Weed, J.C., Polge, R.J. An efficient implementation of a hexagonal FFT 4—57999
Weeden, D.A. *see* Swaney, F.J. 4—45193
Weeden, D.A., Jr. *see* Swaney, F.J. 4—56492
Weedermann, H. Closed-circuit TV monitoring systems on Federal German Railways 4—61074
Weedermann, H. Closed-circuit TV monitoring systems on Federal German Railways—platform observation 4—61075
Weedy, B.M., Chu, D. HVDC extruded cables—Parameters for determination of stress 4—34192
Weedy, B.M., Cottrill, J.E. Comparison of finite difference methods for temperature prediction in axisymmetric HV insulation systems 4—42198
Weedy, B.M., Swingler, S.G. A review of dielectrics for flexible superconducting cables 4—56634
Weege, R.-D. Technique of propulsion of battery driven wheelchairs—positions and prospects 4—49103
Weekley, J.M. Review of TWT developments above 18 GHz 4—46771
Weeks, A.R. *see* Harvey, J.R. 4—55903, 4—55920
Weeks, R.A., Barraza, L.B., Kurihara, R.A. System simulation for integrated avionics development 4—44855
Weems, C., Lawton, D.T. Incorporating content addressable array processors into computer vision systems 4—53868
Weems, W.E., Jr. *see* Alpert, G.I. 4—32328
Weerasinghe, V.M. *see* Steen, W.M. 4—53132
Weese, D.E. The Canadian domestic satellite system 4—60790
Weese, D.E., Shoamanesh, A. The impact of orbit position and frequency selection on satellite system design 4—60802
Weetman, D.A. *see* Main, C. 4—33794
Wegelin, V. Power conditioning for distributed control systems 4—62641
Wegener, K. *see* Fleckenstein, W. 4—43842
Weghe, H.Van De *see* Van De Weghe, H.
Weglinski, B. *see* Kordecki, A. 4—58062
Wegman, M.N. Method of estimating the size of a set 4—29358
Wegner, G.E. Servicing of modern record players 4—38931
Wegner, H.E. Equipment and reliability costs for residential A/C load control: one-way versus two-way systems 4—57581
Wegweiser, D. *see* Thorne, C. 4—60385
Weh, H. The DC version of the inverter fed reluctance motor for high power applications 4—56956
Wehlage, E.F. Aggravated geothermal steam turbine problems with wet steam 4—34458
Wehling, M.F. *see* Schneider, R.T. 4—53847
Wehner, L. Advance with microelectronics in communication technology [on railways] 4—40540
Wehr, A. *see* Wittig, M. 4—60917
Wehr, M., Blaison, S., Gauthier, F. Fabrication of single-mode optical fibres 4—47279
Wehrle, R.B. *see* Praeg, W.F. 4—59777
Wehrli, P. *see* Gruber-Johnson, P. 4—34961, 4—35058
Wei, C., Harrington, R.F., Mautz, J.R., Sarkar, T.K. Multiconductor transmission lines in a multilayered dielectric media 4—42903
Wei, C. *see* Harrington, R.F. 4—53242
Wei, C.C. *see* Cheng, S.Y. 4—59109
Wei, D. *see* Gerlach, R. 4—59553
Wei, P.S.P. *see* Rackson, M.M. 4—54854
Wei, V.K. An error-trapping decoder for nonbinary cyclic codes 4—47750
Wei, V.K. *see* Kasami, T. 4—48554
Wei Ce-jun, Wang Yen-chu I-V characteristic calculation for N^+-p-N^+ GaAs ballistic structure 4—41864
Wei Cheng-lin *see* Zhang Liang-sheng 4—33746
Wei Guo *see* Guo Wei
Wei Guo-zhu, Meng Xiao-fan, Cui Guang-ji Fabrication of Pb-In-Au alloy thin-film tunnel junctions 4—37055
Wei Guozhu *see* Meng Xiaofan 4—47211
Wei Hui Shih *see* Shih Wei Hui
Wei Jia-ning *see* Zhu An-min 4—40994
Wei Lui *see* Lui Wei
Wei Shen *see* Shen Wei
Wei Sun *see* Sun Wei
Wei Yinan, Qi Feihu, Yu Songyu, Wang Xiangdi, Hu Cuixian, Zhang Liying A study of automatic acquisition and calculation of photoelastic data 4—47894
Wei Yumei *see* Ment Xiaofan 4—37057
Wei Ziwen *see* Zhang Zhaowen 4—33430
Wei-chun Ku *see* Ku Wei-chun
Wei-da Lu *see* Lu Wei-da
Wei-Db Chen *see* Chen Wei-Db
Wei-gen Shi *see* Shi Wei-gen
Wei-han Pan *see* Pan Wei-han
Wei-hong Lou *see* Lou Wei-hong
Wei-Li Chen *see* Chen Wei-Li
Wei-nan, E. The optimal parameters of AOR method and their effect 4—57959
Wei-xin Gu *see* Gu Wei-xin
Wei-zhong Yang *see* Yang Wei-zhong
Wei-zu Zhang *see* Zhang Wei-zu
Weiai Fu *see* Fu Weiai
Weibin Gao *see* Gao Weibin
Weicheng Zhang *see* Zhang Weicheng
Weichun Ye *see* Ye Weichun
Weick, W.W. *see* Fichtner, W. 4—36630
Weidauer, R., Glismann, A., Konig, R., Falk, H. Construction and test of an 1 MW-nitrogen laser 4—52889
Weide, H.Van Der *see* Van Der Weide, H.
Weide Chen *see* Chen Weide
Weidendorf, J. *see* Alexander, A.D. 4—35313
Weidhaas, W. Communications cables 4—54597
Weidmann, W. *see* Detlefsen, J. 4—54865
Weidner, E. *see* Bammert, K. 4—40133
Weidner, K. *see* DiFondi, N. 4—38285
Weigan Lin *see* Lin Weigan
Weigel, H.G. *see* Eisenhauer, G. 4—56807
Weigel, W. *see* Chirico, C. 4—36155
Weigmann, W. *see* Miller, D.A.B. 4—42706
Weiguo Lu *see* Lu Weiguo
Weijun Li *see* Li Weijun
Weikart, C. *see* Bauerfeld, W.L. 4—43674
Weil, C.M., Gruner, L. High-order mode cutoff in rectangular striplines 4—53256
Weil, M.H. *see* Bisera, J. 4—44709
Weil, T. High voltage supplies for lasers 4—45515
Weiland, T. Wake force computation in time and frequency domain for cylindrically symmetric structures by bunches of electrons at the speed of light 4—33602
Weiland, T. High gradient acceleration of particles by Wake Field Transformation 4—39387
Weiler, W., Sawla, A. Force standard machines of the National Institutes for Metrology. Vol.II 4—61549
Weilerstein, M. *see* McBrearty, M. 4—51690
Weimann, G. *see* Dambkes, H. 4—51823
Weimann, G. *see* Stein, D. 4—51852
Weimin Fan *see* Fan Weimin
Weimin Wu *see* Wu Weimin
Weinacht, T. *see* Dobberstein, J. 4—39773
Weinberg, A. On the passage of high-level pulsed radio frequency interference through a nonlinear satellite transponder 4—32724
Weinberg, A. Marketing and distribution of consumer electronics products 4—54984
Weinberg, A.M. Successes, failures and perspectives of nuclear energy 4—45222
Weinberg, D.I. An administrative program to limit radio frequency interference from industrial plants and laboratories 4—37585
Weinberg, I., Mehta, S., Swartz, C.K. Increased radiation resistance in lithium-counterdoped silicon solar cells 4—45620
Weinberg, I.J., Sethares, J.C. Magnetostatic forward volume wave propagation—finite width 4—42234
Weinberg, L. *see* Riederer, A.J. 4—50916
Weinelt, W. Numerical solution of parabolic differential equations using discrete functions [electric machines] 4—57054
Weiner, A.M. *see* Fujimoto, J.G. 4—37419
Weiner, D. *see* Ephrath, A. 4—59797
Weiner, D. *see* Gormady, J. 4—35776
Weiner, D.D. *see* Sarkar, T.K. 4—53624
Weiner, J. *see* Neroth, C. 4—41395
Weiner, J.A. *see* Clatterbaugh, G.V. 4—58664
Weinfrt, H. *see* Woggon, U. 4—37207
Weingarten, F. Use of hydraulics in passenger cars 4—40554
Weingarten, J. *see* Wach, D. 4—34330
Weingartner, I., Rosenbruch, K.-J. Holographic video disc and laser scanning optics 4—31505
Weinhardt, M. *see* Skudelny, H.-C. 4—35006
Weinhold, M. Dry film solder mask opens the door to benefits 4—51635
Weininger, S. *see* Onaral, B. 4—49110
Weinlein, W. Overview of the present status of satellite communications 4—48425
Weinmuller, E. A difference method for a singular boundary value problem of second order 4—46194

Weinstein, C.J. The Experimental Integrated Switched Network—a system-level network test facility 4—32609
Weinstein, C.J., Forgie, J.W Experience with speech communication in packet networks 4—32244
Weinstein, S. Optimize vertical pattern for more efficient coverage 4—59851
Weintraub, M. The GRASP sound separation system 4—59981
Weinzierl, K., Deggim, D. VEW-coal conversion process: 10 ton/h-test plant 4—45291
Weiqing Zhang *see* Peihui Liang 4—59575
Weiqing Zhang *see* Zhang Weiqing
Weir, J. How to gain with PVC [2-meter antenna design] 4—37760
Weirich, E. *see* Levi, P. 4—38059
Weis, T. *see* Granneman, E.H.A. 4—61609
Weis, T. *see* Klein, H. 4—33599
Weisbrich, A. *see* Duffy, R.E. 4—40183
Weise, S. *see* Brownell, G.L. 4—44716
Weisen, H. *see* Behn, R. 4—42563
Weiser, U. Dual formalism for the creation of VLSI arrays 4—36794
Weisheng Hu *see* Hu Weisheng
Weisinger, J. *see* Buck, W. 4—45171
Weisinger, R.C. *see* Northwood, E.J. 4—61909
Weismiller, F., Lee, D. Direct services dialing—a new system between public and private services 4—32575
Weiss, A. *see* Lakin, P. 4—29659
Weiss, A.D. A tutorial: mass spectrometers and chromatographs 4—46904
Weiss, A.D. Wafer cleaning update 4—52001
Weiss, B.L. *see* Naden, J.M. 4—42409
Weiss, B.L. *see* Shail, R. 4—37093
Weiss, C. Use of panel enhancements as operator aids in nuclear power plant control rooms 4—45243
Weiss, C.O. Chaotic (turbulent) behaviour of laser oscillation 4—31264
Weiss, C.O. Frequency measurement chain to 30 THz using FIR Schottky diodes and a submillimeter backward wave oscillator 4—44626
Weiss, C.O., Godone, A. Harmonic mixing and detection with Schottky diodes up to the 5 THz range 4—31475
Weiss, C.O., Klische, W. Self-pulsing instability of a CH_2F_2-laser 4—47420
Weiss, C.O., Klische, W. On observability of Lorenz instabilities in lasers 4—59438
Weiss, D. E-beam lithography: a story of dual identities 4—36646
Weiss, D. *see* Kasouf, G. 4—49348
Weiss, D. *see* Sigmund, H. 4—36458
Weiss, E. Telecommunications policy: the users need for telecommunication systems—a review of trends in Europe 4—60370
Weiss, E.O. Transborder data flows and telecommunications 4—54456
Weiss, H. *see* Hinkel, H. 4—37025
Weiss, H. *see* Schrader, M. 4—61531
Weiss, H. *see* Schulz, M. *(editor)* 4—29119
Weiss, H.-J. DC/DC converter with 300 KHz clock frequency 4—34731
Weiss, I.M. Multi-frequency L-band adaptive nulling 4—37778
Weiss, J. *see* Barton, M.L. 4—31562
Weiss, J.A. *see* Tetenbaum, S.J. 4—62822
Weiss, M. Automated wafer processing using robots 4—57821
Weiss, N.A. *see* Peterson, K.M. 4—53275
Weiss, P. *see* Depeursinge, Y. 4—36848
Weiss, P. *see* Iselborn, Kl.-W. 4—51551
Weiss, R. An analysis of the box and trapezoidal schemes for linear singularly perturbed boundary value problems 4—29424
Weiss, R. *see* Downey, P.M. 4—33300
Weiss, R.A., Shaw, S.H., Shaw, M.T. The analysis of water in treed crosslinked polyethylene films 4—36925
Weiss, R.L. *see* Nemier, S.E. 4—29256
Weiss, W. *see* Hauser, S. 4—57466
Weiss, W.J. *see* Rosenberg, G. 4—49312
Weissberger, A.J. What's new about IBM's cluster controllers and coax muxes? 4—60477
Weisschuh, H. *see* Cohen, R. 4—54569
Weissenburger, D.W., Bialek, J.M. An interface between eddy current calculation and structural analysis 4—31602
Weissenrieder, D. Ancient technology improves spring contacts [electronic contacts] 4—29244
Weissman, C. *see* Cowan, K.S. 4—32454
Weissman, H.M. Replicated laser scanning component 4—31425
Weissman, L.J. *see* Sobottka, S.E. 4—33668
Weissman, S.H. Quantitative analysis of phosphosilicate glass films on silicon wafers for calibration of X-ray fluorescence spectrometry standards 4—55735
Weissmann, E. Fiber optic transmission systems: design considerations 4—38657
Weissmann, G., Ganz, J., Siegel, A., Waibel, H., Hotop, H. A CW dye laser for intracavity state selection of atomic and molecular gases 4—31460
Weissmantel, C. *see* Klabes, R. 4—35494
Weissmantel, C. *see* Scharff, W. 4—29512, 4—41061
Weissova, S., Ulc, M. Autonomous compressor station for low oil content switchgear 4—45554
Weistrop, D., Williams, J.T., Boggess, A., Hallam, K.L., Klinglesmith, D.A., III, O'Connell, R.W. MOSAIC: a large area, photon-counting detector for the space ultraviolet 4—61245
Weisz, S.Z., Gomez, M., Muir, J.A., Resto, O., Perez, R., Goldstein, Y. Alloying effects on the optical absorption edge and hydrogen absorption of sputtered a-Si_xGe_{1-x}:H 4—52765
Weitz, E.B. *see* Gugliotti, J.A. 4—60502
Weitz, H. *see* Mattern, K. 4—32100
Weitzel, C.E., Scheitlin, D. RC feedback GaAs monolithic amplifiers 4—58187
Weitzel, S.D. *see* Mosley, J. 4—30067
Weitzen, J.A., Grossi, M.D., Birkemeier, W.P. High-resolution multipath measurements of the meteor scatter channel 4—48466
Weixi Chen *see* Chen Weixi
Weixin Guo *see* Guo Weixin
Weixing Ni *see* Ni Weixing
Weizai Zhang *see* Zhang Weizai
Weizsacker, C.C.von *see* von Weizsacker, C.C.
Welborn, T.A. *see* Marshall, T.G. 4—49288
Welch, B.E. *see* Sharma, J.K.N. 4—39355
Welch, B.M. *see* Eden, R.C. 4—35739, 4—47079, 4—58243
Welch, G.W. *see* Jundanian, R.H. 4—44713
Welch, G.W. *see* Shahnarian, A. 4—44714
Welch, J.D. *see* Orlando, V.A. 4—49412
Welch, L.R., Berlekamp, E.R. A new Reed-Solomon decoding algorithm 4—43163
Welch, L.R. *see* Al-Quaddoomi, S.A. 4—43056
Welch, L.R. *see* Huang, N.K. 4—38091
Welch, L.R. *see* Scholtz, R.A. 4—47754
Welch, S. Signalling. I. [telecommunications] 4—60568
Welch, S. Sig.nalling II. [telecommunications] 4—60569
Weldon, C.P., Wolfson, S.L. Submersible assisted cathodic protection surveys of subsea pipelines 4—62898
Weldon, E.J. *see* Deodhar, S. 4—53384
Weldon, J.M., Pryor, D.H. Producibility improvements and manufacture of a prototype commercial compact pulsed homopolar generator 4—45458
Weldon, W.F., Woodson, H.H. Pulsed power requirements for electromagnetic launchers 4—42777
Weldon, W.F. *see* Gully, J.H. 4—45525
Weldon, W.F. *see* Pratap, S.B. 4—42778
Weldon, W.F. *see* Spann, M.L. 4—42779
Welicachew, L. *see* Delannoy, J. 4—60943
Welij, J.S.van *see* van Welij, J.S.
Welk, R. Lighting architecture in Japan and Germany 4—45730
Welkenhuysen, L. *see* Aubert, A.E. 4—33819
Wellegehausen, B. Dimer lasers—a review 4—52884
Wellekens, C.J. *see* Bourlard, H. 4—53551
Wellenreuther *see* Ertmer 4—56424
Wellens, H.J.J. *see* Dassen, W.R.M. 4—49251
Weller, A., Egelhof, P. A large solid angle ionization chamber with ring counter geometry 4—39421
Weller, A. *see* Bohm, E. 4—50152
Weller, A. *see* Kramer, D. 4—33623
Weller, D.R. *see* Jackson, N.M., Jr. 4—56156
Weller, J.F. *see* Nosu, K. 4—52742
Weller, M. *see* Leiterer, U. 4—55147
Wellman, J.B., Goetz, A.F.H., Herring, M., Vane, G. A Shuttle imaging spectrometer experiment for the late 1980s 4—39697
Wells, A.A. *see* Lumb, D.H. 4—39060
Wells, A.H., Underwood, W.E. Reactor operator diagnostic ability training using knowledge-based computer-aided instruction 4—62332
Wells, A.L., Jr. Even signings, signed switching classes, and (−1,1)-matrices 4—57926
Wells, A.M., Jr. *see* Eassa, H.E. 4—57642
Wells, B. Slow-speed nets provide new directions 4—32143
Wells, D. *see* Nelving, H.-G. 4—34522
Wells, D.R. The Navy Ocean Facilities Program—a status report 4—61980
Wells, E., Jr. A proposal for local area network standards in Allied Command Europe 4—32115
Wells, F.M. *see* Nash, H.O., Jr. 4—62235
Wells, F.M. *see* Shepard, M.E. 4—56491
Wells, H. Yagi fear? [CAD] 4—37763
Wells, J. Audio/musical design for animated shows. I. Visual merchandising and display or teaching the hamberger elves to sing 4—33049
Wells, J. Audio musical design for animated shows. II. The Bullwinkle Restaurant show 4—38893
Wells, J.D. Cellular system design using the expansion cell layout method [mobile telephone systems] 4—60699
Wells, J.D. The evolution of cellular system design [mobile radio systems] 4—60712
Wells, J.S., Petersen, F.R., Maki, A.G. Heterodyne frequency measurements and frequency calibration standards for tunable diode lasers 4—59507
Wells, L.L. Translated GPS real-time tracking 4—38748
Wells, M. The JANET project 4—43784
Wells, P. On-chip hardware supports computer security features 4—29891
Wells, P. Microprocessor design supports multitasking 4—46485
Wells, P.F. Slide dissolve control 4—51493
Wells, P.N.T. Medical imaging: a very visible part of high technology medicine 4—44736
Wells, P.N.T. Medical ultrasonics 4—49167
Wells, S.C. *see* Russell, G.T. 4—54736
Wells, S.J. *see* O'Donnell, P. 4—62499
Wells, T. Electronic mail: will the standards be delivered? 4—60424
Wells, T.B. Parametric evaluation of the Fabry-Perot interferometer in millimeter permittivity and permeability measurements 4—39292
Wells, T.B., Moore, R.L., Montgomery, J.P., Dean, A.S. Millimeter complex permittivity and permeability by open cavity resonator and waveguide reflectometer 4—44604
Wells, T.B. *see* Moore, R.L. 4—39291
Wells, W.K., Cebra, D., Balamuth, D.P. A large solid angle electron detector with very low sensitivity to γ-rays 4—55833
Wellssow, W.H. *see* Koglin, H.-J. 4—34123
Wellstead, P.E. *see* Caldas Pinto, J.R. 4—53786
Wellstood, F., Heiden, C., Clarke, J. Integrated DC SQUID magnetometer with a high slew rate 4—56277
Welsh, B. Novice: cable television interference. I 4—32919
Welsh, D. *see* O'Shea, P.G. 4—41752
Welsh, G.R. *see* Aoki, D.J. 4—32581
Welterlin, R.E. Modeling of an axial synchronous motor 4—62515
Weltin, A. *see* Artemiev, V. 4—61684
Welton, F.P.J.M., Lohstroh, J., Linssen, A.J. A 25/50 MHz dual-mode parallel multiplier/accumulator 4—58425
Welz, F. *see* Tolksdorf, W. 4—35464
Welz, G. Methods for measuring the Sc/H phase relation and determining its stability [colour TV signal] 4—55004
Welzenbach, M. Wideband coupling networks for video communications 4—54083
Weman, K. The influence of modern solid state technology on the development of welding power sources 4—57631
Wemple, S.H. *see* O'Connor, P. 4—51152, 4—54794
Wen, C.C. *see* Kao, W.H. 4—36899
Wen, D.D. *see* Onishi, S. 4—55278
Wen, D.D.D. *see* Chan, T. 4—55276
Wen, T. *see* Francois, R.E. 4—61991
Wen Bao-Dons, Lou Tin-Zen, Wan Zen-Fong Simulation test of the astronomical satellite attitude control system 4—44826
Wen Jun-ding On H-plane dielectric loading for H-plane ferrite phase shifter 4—47201
Wen Su *see* Su Wen
Wen Zhongyi *see* Huang Guobiao 4—31451
Wen-bin Ren *see* Ren Wen-bin
Wen-hua Jiang *see* Jiang Wen-hua
Wen-hwa Jiang *see* Jiang Wen-hwa
Wen-Jei Yang *see* Taniguchi, H. 4—40124
Wen-miao Sung *see* Sung Wen-miao
Wen-Ning Hsieh, Gitman, I. How to prevent congestion in computer networks 4—48197
Wen-xiong Chen *see* Chen Wen-xiong
Wen-xiu Gao *see* Gao Wen-xiu
Wen-yaung Lee Thin Te and Te alloy films for optical data storage 4—47235
Wen-yu Ling *see* Ling Wen-yu
Wen-yuan Xu *see* Xu Wen-yuan
Wenbo Zhou *see* Zhou Wenbo
Wencur, D. *see* Cham, K.M. 4—36849
Wendell, D.L. *see* Segers, D.L. 4—35812
Wendell, R.E. Using bounds on the data in linear programming: the tolerance approach to sensitivity analysis 4—57947
Wender, S.A., Auchampaugh, G.F., Wilkerson, J.F., Hill, N.W., Nilsson, L.R., Roberson, N.R. A high-energy gamma-ray detector system for fast neutron-induced reactions 4—39499
Wenderoth, W., Lebsanft, K., Kapsner, F., Gotzer, K. Algorithm for cost optimization of subscriber line networks 4—38201
Wendl, A. IEC-bus interface for Group-delay Measuring Set LFM 2 4—61218
Wendland, B. Picture scanning for high quality TV-systems 4—32937
Wendlik, H. Bildschirmtext as a marketing instrument for Lufthansa 4—54298
Wendling, P. *see* Renger, W. 4—61934
Wendorff, A. Problems connected with earth faults in urban medium voltage cable networks 4—49593
Wendrowski, W. Parallel solution of partial differential equations 4—41025
Wendt, G.de *see* de Wendt, G.
Weng, T.H. *see* Boos, J.B. 4—36061, 4—52119
Wenger, G.M., Mahajan, R.L. Technology of steam soldering 4—50524
Wenguan Zhang *see* Zhang Qishan 4—48058
Wengui Wang *see* Wang Wengui
Wenham, S.R. *see* Green, M.A. 4—45649, 4—50044
Weninger, R. *see* Flugel, W. 4—49894
Wenjuan Xu *see* Xu Wenjuan

Wenjun Hu *see* Hu Wenjun
Wenjun Zhuang *see* Zhuang Wenjun
Wenkuan Zhang *see* Zhang Wenkuan
Wenlai Li *see* Li Wenlai
Wennerholm, J.H. The total project approach in private telecommunications networks 4—54081
Wennerstrom, C.H., Connors, D.P. Motor application considerations on adjustable frequency power 4—62545
Wenning, E.C. *see* Meola, K.D. 4—32560
Wenqi Gao *see* Gao Wenqi
Wenqing Lin *see* Lin Wenqing
Wensley, J.H. Fault tolerance in a local area network used for industrial control 4—38322
Wentinck, H.M. *see* Den Boer, W. 4—58899
Wentkowski, R. *see* Abendroth, M. 4—39516
Wentz, L.K. *see* Hingorani, G.D. 4—32215
Wentz, W.H., Jr. *see* Snyder, M.H. 4—49827
Wenxin Zheng *see* Zheng Wenxin
Wenyan Yu *see* Yu Wenyan
Wenyao Wang *see* Wang Wenyao
Wenyu Yang *see* Yang Wenyu
Wenzel, B. *see* Schiller, S. 4—45793
Wenzel, H. *see* Omet, R. 4—60582
Wenzel, H.M. *see* Balza, J.J. 4—32386
Wenzel, K.-P. *see* Marsden, R.G. 4—39437
Wenzel, K.-P. *see* Thompson, A. 4—55956
Wenzel, R.G. *see* Carlsten, J.L. 4—53079
Wenzhen Zhang *see* Zhang Wenzhen
Wenzhi Zhang *see* Zhang Wenzhi
Wenzhong Zhao *see* Zhao Wenzhong
Wenzhou Chen *see* Chen Wenzhou
Werbeck, R. *see* Bolton, R. 4—55816
Werbickas, J.C. *see* Smith, D.C. 4—29760
Werdecker, W., Aldinger, F. Aluminium nitride—An alternative ceramic substrate for high power applications in microcircuits 4—58060
Werner, C., Harter, J., Takacs, D., Wiedèr, A.W. Mapping of internal distributions onto a lumped element network for CMOS latch-up simulation 4—36525
Werner, C. *see* Kopp, F. 4—61916
Werner, C. *see* Takacs, D. 4—36836, 4—36855
Werner, H. *see* Cuyt, A. 4—50711
Werner, J. Custom IC design in Europe. II. Germany, France, and The Netherlands 4—42079
Werner, J., Beresford, R. A system engineer's guide to simulators 4—42077
Werner, J. *see* Hromadko, G.F. 4—41154
Werner, J.F. *see* Emin, C.D.J. 4—36936
Werner, J.F. *see* Peach, R.C. 4—52364
Werner, K.-D., Siegler, W. The use of records of investigations on the fault testing of important components on electro- and cable technology 4—58581
Werner, M. *see* Bourbin, Y. 4—42415
Werner, M. *see* Yao-Hwa Wu 4—37356
Werner, R.A. *see* Leininger, B.S. 4—35870
Werner, S.A. Modular pin test interface eases military ATE tasks 4—39011
Wernicke, F.C. *see* Berger, R. 4—29867
Wernicke, F.C. *see* Heimeier, H. 4—29870
Wernicke, F.C. *see* Keinert, J. 4—30690, 4—58485
Wernicke, R. Ceramic multilayer capacitors and nonlinear resistors 4—30135
Wernig, S.H. *see* Morrissey, D.J. 4—39473
Wernli, R.L. Remotely operated vehicle overview 4—48773
Werry, E.V. *see* Allemann, R.T. 4—49772
Werry, E.V. *see* Barnhart, J.S. 4—34399
Werschulz, A.G. Does increased regularity lower complexity? 4—29425
Wersig, G. Interactive videotext is a transitional stage between old and new media 4—54186
Werstiuk, H.L. COSPAS-SARSAT: a system overview 4—32752
Wertheimer, M.R. *see* Pelissou, S. 4—59060
Wertheimer, M.R. *see* Sacher, E. 4—35506
Weschta, A. Design considerations and performance of brushless permanent magnet servomotors 4—57416
Wesolowski, K., Proakis, J.G. A two-stage equalizer with a reduced number of multiplications for data transmission over voiceband telephone channels 4—43858
Wessel, G. Electro-optical ceramic (PLZT) as light-gate array for non-impact printer 4—31184
Wessel, M. Service information. (Tesla B113 tape deck) 4—44366
Wessel, M. Tesla B113 stereo tape deck 4—44367
Wessel, M. Stereo radio recorder C 4, settings and controls 4—61013
Wessel, M. Stereo radio recorder, Sanyo C4 4—61014
Wessels, B.W. *see* Wang, P.J. 4—35470
West, A.W., Larbalestier, D.C. Microstructural changes produced in a multifilamentary Nb-Ti composite by cold work and heat treatment 4—37052
West, C.A. A new role for educators in preparing minority students for engineering careers 4—40747
West, C.L. *see* Lewis, M.F. 4—47164, 4—52418
West, D.B., Shmoys, D.B. Recognizing graphs with fixed interval number is NP-complete 4—50653
West, I. The modern power supply and its applications 4—45514
West, J.E. *see* von Seggern, H. 4—49007
West, K. *see* Atlung, S. 4—50026
West, L. Part 18, a manufacturer's viewpoint [FCC standards for RF equipment] 4—37584
West, L.W. A microminiaturized heart monitoring system for astronauts 4—49282
West, P.R., Griffing, B.F. Contrast enhancement—a route to submicron optical lithography 4—36667
West, P.R. *see* Griffing, B.F. 4—58837
West, R.L. Elimination of mask substrate defects 4—30219
West, R.M.P. *see* Cole, T.G. 4—41248
West, R.N. Three laser scanning instruments for automatic surface inspection 4—29272
West, T.P. Analogue set-reset latch 4—35986
Westall, F.A., Hanes, R.B. Efficient realizations of digital speech coders for telecommunication applications 4—43835
Westall, F.A. *see* Hanes, R.B. 4—53564
Westbrook, L.D., Nelson, A.W. Electron leakage in 1.5-μm InGaAsP separate confinement heterostructure lasers 4—52983
Westbrook, L.D. *see* Chidgey, P.J. 4—60842
Westbrook, L.D. *see* Frisch, D.A. 4—32798
Westbrook, L.D. *see* Nelson, A.W. 4—41968
Westcott, B.S. *see* Brickell, F. 4—47657
Westcott, M. Sorting out the scan lens puzzle 4—59288
Weste, N. *see* Boyer, D.G. 4—36892
Weste, N. *see* Burr, D.J. 4—31915
Westenbroek, C.J.A. *see* Chen, H.Y. 4—30989
Westendorff, K. Error location in analogue circuits with frequency dependent elements 4—46549
Westerfeld, P. Temperature measurement in industry—by what method? 4—55721
Westerfield, E.E. *see* Holm, E.D. 4—38742
Westerfield, E.E. *see* Warnke, L.L. 4—38741
Westerhoff, C.J., Dzugan, M. Integrated communications navigation identification avionics 4—33932
Westerkamp, D. Adaptive intra-/interframe DPCM-coding for transmission of colour TV-signals with 34 Mbit/s 4—44229
Westerwelle, H. 70 cm output stage: muscle man boosting from 200 mW to 20 W with hybrid amplifier 4—58166
Westgate, C.R. *see* Andreou, A.G. 4—58908
Westin, T. *see* Como, A. 4—43902
Westkamper, M.J. *see* Davis, R.E., Jr. 4—56947
Westlake, J. *see* Dymoke-Bradshaw, A.K.L. 4—61736
Westling, L.A., Raymer, M.G., Snyder, J.J. Single-shot spectral measurements and mode correlations in a multimode pulsed dye laser 4—37423
Westmore, R. *see* Grimsdale, R.L. 4—33925
Westneat, A.S. *see* Blidberg, D.R. 4—61952
Westneat, A.S. *see* Corell, R.W. 4—61945
Westoby, R. *see* McGuire, A. 4—49532
Weston, H.T. *see* Chang, G.K. 4—36116
Westwater, G.E. Meteor burst communications systems 4—32790
Westwig, R.A. *see* Dick, J.M. 4—52663
Westwood, W.D. *see* Levinson, J. 4—36643
Wetch, J.R., Rasor, N.S., Britt, E.J., Fitzpatrick, G.O. Thermionic space reactors—overview 4—40491
Wetherhold, E. Practical LC filter design 4—46286
Wetherhold, E. Practical LC filter design. II 4—46550
Wetherhold, E. Practical LC filter design. III 4—58439
Wettling, W. *see* Dischler, B. 4—42594
Wettstein, D.A. *see* Coufal, H. 4—31541
Wetzel, A.G. Expansion of the AIRTRANS system at the Dallas/Fort Worth Airport 4—62766
Wetzel, F.R., Opitz, H.B. Improved energy utilization in electric glass melt systems 4—57658
Wetzel, M.C. *see* Patterson, F.R. 4—39507
Weverka, R.T. *see* Chang, I.C. 4—52736
Wexler, A. *see* Yidlir, Y.B. 4—29398
Wexler, P. Fax and figures 4—48051
Wey, A.H.van der *see* van der Wey, A.H.
Weydandt, J. *see* Laux, U. 4—44877
Weyde, B. High failure rates of printed circuit boards demonstrate the need for bare board testing 4—46724
Weymouth, L.J., Brewer, G.A. Bonded resistance strain gage technology solves offshore measurement problems 4—55453
Weymueller, C.R. Know your welding NDT—magnetic particle testing 4—35561
Weymueller, C.R. Efficient RW equipment adapts to robots 4—40658
Weymueller, C.R. GMA-welding wins in HSLA fabrication 4—57638
Weymueller, C.R. Know your welding NDT—visual inspection 4—57866
Weymueller, C.R. Know your welding NDT—leak testing 4—58101
Weymueller, C.R. Know your welding NDT—ultrasonic testing 4—58102
Weymueller, C.R. High-tech ductware for Silicon Valley 4—62870
Weyrich, C. *see* Krimmel, E.F. 4—31250
Weyten, L. Bounds on the tolerance sensitivity of resistive networks 4—46284
Wha Tek Kim, Chang Sun Yoon Temperature dependence of the energy gap of $Ga_{1-x}In_xSe$ single crystals 4—51805
Whalen, A.D. Statistical theory of signal detection and parameter estimation 4—53629
Whalen, J.J. *see* Sutu, Y.-H. 4—37642
Whaley, H., Rankin, D.M., Landry, P.G., Covill, I.D. Coal-water mixture combustion demonstrated at New Brunswick 4—62340
Whaley, P.W. An angular velocimeter for aerospace applications 4—49018
Whalin, R.W. The Corps of Engineers' military ocean engineering related program 4—61982
Whang, K.W., Cagle, G.C., Smart, J.W. The power distribution system as a communication medium for load management and distribution automation 4—32624
Wharton, S.W. An analysis of the effects of sample size on classification performance of a histogram based cluster analysis procedure 4—32044
Whatley, A. *see* Hunneman, R. 4—37187
Whatmore, R.W., Ainger, F.W. Pyroelectric ceramic materials for uncooled IR detectors 4—55467
Whatmore, R.W. *see* Hall, J.P. 4—30939
Whatmore, R.W. *see* Shorrocks, N.M. 4—30848
Whealton, J.H., Raridon, R.J., McGaffey, R.W., McCollough, D.H., Stirling, W.L., Dagenhart, W.K. 2D accelerator design for SITEX negative ion source 4—61654
Whealton, J.H. *see* Dagenhart, W.K. 4—61643
Whealton, J.H. *see* McGaffey, R.W. 4—61655
Whealton, J.H. *see* Stirling, W.L. 4—61650
Wheaton, J.L. Local area networks as an aid to productivity 4—43813
Wheaton, L.B., Current, K.W. Quaternary threshold logic full-adder circuit with complementary inputs 4—29966
Wheeler, B. *see* Simcoe, B. 4—58388
Wheeler, B. *see* Wong, C.F. 4—39467
Wheeler, B.L., Nagasubramanian, G., Bard, A.J. Semiconductor electrodes. LV. Differential photocurrent determination of absorption coefficients and diffusion length in p-GaP photoelectrochemical cells 4—50024
Wheeler, C.L. *see* Price, B.H. 4—41678
Wheeler, J.C.G. Anti-vandal shed protectors for solid core porcelain insulators on British Rail 4—62223
Wheeler, J.W., Gupta, M.C., Kurtz, N. Web-based optical disk assemblies 4—44271
Wheeler, R.G., Choi, K.K., Wisnieff, R. Quasi-one-dimensional effects in submicron width silicon inversion layers 4—51900
Wheeler, R.M., Jr. *see* Narendra, K.S. 4—29335
Wheeler, T., Innocent, P. Human factors in and requirements of the OSI environment 4—60499
Wheeler, W.R. *see* Joy, E.F. 4—30209, 4—46702, 4—46703
Wheeler, W.R. *see* Joyce, J.M. 4—46336
Whei-Lin Hwang Nonlinear surface wave generation in a planar waveguide structure 4—42700
Whelan, J.M. *see* Kanber, H. 4—51935
Whelan, J.M. *see* Stanchina, W.E. 4—52005
Whelan, P.W. Microprocessor based motor protection devices 4—40237
Whelehan, J. Low-noise amplifiers for satellite communications 4—46616
Whelehan, J., Lazarus, L. Low noise amplifiers for satellite communications 4—41576
Whellan, R. The crimping of copper conductors 4—40850
Wheller, M. Leading the field [cable TV] 4—44253
Whelpton, J. *see* Sultan, N. 4—37752
Wherett, B.S. Fabry-Perot bistable cavity optimization on reflection 4—53064
Wherrett, B.S. *see* MacKenzie, H.A. 4—37446
Wherry, A.B. Investment appraisal in system planning 4—60299
Whiffen, E.L., Dobson, R.R. Electron-beam welds go to flipper doors [Space Shuttle fabrication] 4—40659
Whight, K.R., Coe, D.J., Tree, R.J., Veveria, A.J. Computer aided design of multiple guard ring systems for the passivation of high voltage planar semiconductor junctions 4—36487
Whight, K.R. *see* Coe, D.J. 4—36611
Whight, K.R. *see* Veveris, A.J. 4—36524
Whillock, R.G. The consulting engineer in power generation 4—62077
Whinnery, J.R. *see* Hasnain, G. 4—36010, 4—59827
Whitaker, N.A., Jr., Haus, H.A. Backward wave effects in acoustic scattering measurements 4—55779
Whitaker, S. *see* Rakhakrishnan, D. 4—58278
Whitbourn, L.B. *see* Compton, R.C. 4—37147
Whitbread, T. *see* Chu, P.L. 4—42347, 4—47252
White, A.L. Reliability with imperfect diagnostics 4—40890

White, A.L. Sensitivity analysis by approximation formulas: illustrative examples 4—40891
White, B. The UK robot manufacturing industry 4—57643
White, B.A., Lipczynski, R.T., Daniels, A.R. Real-time control of a linear synchronous motor for use in advanced ground transport applications 4—56987
White, B.E. *see* Rotholz, E. 4—32113
White, B.R. 2 Gbit/s regenerator using commercial silicon bipolar circuits 4—54752
White, B.R., Hodgkinson, T.G. High performance monomode fibre transmission systems 4—60833
White, B.R. *see* Chidgey, P.J. 4—60842
White, C. *see* Mazliah, J. 4—56158
White, C.E. Mobile communications—stalled 4—38491
White, C.E. *see* Mapps, D.J. 4—48998
White, C.J. *see* Stannard-Powell, S.J. 4—54843
White, C.W., Farlow, G., Narayan, J., Clark, G.J., Baglin, J.E.E. Ion beam mixing of metal films on SiO_2 4—58878
White, D. Using analog sampling and digital storage to improve ECL testing 4—51120
White, D.A. Single-unit processing is solved by flexible manufacturing 4—30184
White, D.C. *see* Butler, H.P. 4—32955
White, D.J. Multiobjective programming and penalty functions 4—50692
White, D.N. *see* Wood, S.L. 4—44769
White, D.R. The linearisation of resistance thermometers 4—33259
White, D.R. Systematic errors in a high-accuracy Johnson noise thermometer 4—48876
White, D.R.J., Mardiguian, M. EMP hardening featuring interactive graphics and computer-aided design 4—59790
White, D.R.J. *see* Mardiguian, M. 4—37525, 4—37678
White, E.A.D. *see* Moss, R.H. 4—58027
White, F.R. *see* El-Kareh, B. 4—35804
White, F.R. *see* Koburger, C.W. 4—46908
White, F.R. *see* Nesbit, L.A. 4—42159
White, F.R. *see* Roberts, S. 4—42160
White, G. Use of ocean skewness measurements in calculating the accuracy of altimeter height measurements 4—44922
White, G.O. *see* Gulacsik, C. 4—39294
White, H.B. *see* Gibbon, R.R. 4—62212
White, H.S. *see* Ricco, A.J. 4—46894
White, I.G., Nightingale, C.R. Review of Cardiff telephone exchange total energy system after three years operation 4—56527
White, J. Specifying performance for atomic standards 4—33423
White, J. Technical considerations in microwave foods processing 4—40674
White, J., Sangiovanni-Vincentelli, A.L. RELAX2.1: a waveform relaxation based circuit simulation program 4—58226
White, J.C. Up-conversion of excimer lasers via stimulated anti-Stokes Raman scattering 4—37296
White, J.C., Henderson, D. An indium anti-Stokes Raman laser 4—42523
White, J.C. *see* Day, D.J. 4—30542
White, J.C.F. Co-ordinated control and monitoring of turbines at Castle Peak B Power Station 4—34415
White, J.C.F. *see* Henderson, C. 4—62394
White, J.F. *see* Campbell, D.R. 4—30565
White, J.F. *see* Paz, O. 4—52053
White, J.O., Yariv, A. Photorefractive crystals as optical devices, elements, and processors 4—52745
White, K.B., Steele, A.C. Cognitive processes underlying data processing performance 4—45854
White, L.K. *see* Meyerhofer, D. 4—58828
White, M., Ghobadian, A. Payment systems and technology in electrical engineering 4—45907
White, M.A. Miniature Stirling engines for artificial heart power 4—33883
White, M.A. *see* Riggle, P. 4—33884
White, M.H. *see* Agarwal, A.K. 4—36634, 4—41909
White, M.H. *see* Booth, R.V.H. 4—30630, 4—36580
White, M.H. *see* Chan, C.F. 4—39354
White, M.J. Implementation of a computer-based data collection and analysis system 4—46775
White, P. DCA holds office promise 4—48236
White, P. A European approach to videoconferencing 4—48622
White, P. Roland GR700 guitar synth and G707 controller 4—48628
White, P. The SynthAxe 4—48629
White, P. Boss DD2 digital delay pedal 4—48630
White, P. MFB 512 digital drum machine 4—48632
White, P. Multi-waveform LFO [LF oscillator] 4—48643
White, P. Korg PSS50 programmable Super Section [electronic music hardware] 4—55090
White, P. Custom Sound 727 keyboard combo 4—61121
White, P. The SynthMix. I. Preliminary details 4—61130
White, P. Electro Harmonix Instant Replay and Super Replay 4—61146
White, P., Twigg, G. Synclavier: a new appraisal [electronic music instrument] 4—61122
White, P.E. *see* Aoki, D.J. 4—32581
White, P.J. *see* Mapps, D.J. 4—41663
White, R. Fiber optic's time has come in phone network 4—32596
White, R.E. A performance comparison of two CCDs for echelle spectroscopy 4—61274
White, R.M. *see* Deggendorf, S.E. 4—52244
White, R.M. *see* Polla, D.L. 4—39166
White, S. *see* Nicholas, C. 4—38761
White, S. *see* Sutherland, I.A. 4—33855
White, W. *see* Galperin, I. 4—36928
White, W.H. *see* Clark, L.O. 4—36500
White G., Jr., Reaves, M.J. The nuclear fuel cycle desperately in need front end alignment 4—40010
Whiteaway, J.E.A. The analysis of C-V doping profiles in the vicinity of isotype heterojunctions 4—36463
Whitehair, S., Asmusen, J., Nakanishi, S. Demonstration of a new electrothermal thruster concept 4—44888
Whitehead, D.G., Mitchell, I., Mellor, P.V. A low-resolution vision sensor 4—55264
Whitehead, J.D. *see* From, W.R. 4—49472
Whitehead, J.F. *see* Halpern, S.W. 4—38492
Whitehead, M.C. *see* Newnam, B.E. 4—47370
Whitehead, W.R., Holowick, E., Hitchcock, N.S. Electronics module for experimental 406 MHz ELT's EPIRB's 4—32756
Whitehouse, H.J., McKnight, W.H. Signal processing using photoconductor gates 4—60018
Whitehouse, H.J. *see* Speiser, J.M. 4—43421, 4—53582
Whiteley, M.J. *see* Fraser, G.W. 4—61678
Whitely, M.J., Pearson, J.F., Fraser, G.W., Barstow, M.A. The stability of CsI-coated microchannel plate X-ray detectors 4—61679
Whiteside, T. *see* Walker, G. 4—35826
Whitfield, D. *see* Tooley, M. 4—35996, 4—46380, 4—55552
Whitfield, J.D. *see* Schroder, D.K. 4—39267
Whitfield, L.M. *see* Cantwell, B.L. 4—45203
Whiting, D., Williams, A. Programmable data-acquisition and stepping motor control system 4—55202
Whiting-O'Keefe, Q.E. *see* Simborg, D.W. 4—43805
Whitlaw, K.J. An extended study of acid gold and palladium-nickel electrodeposits and the palladium-nickel electrolyte 4—41645
Whitlaw, K.J., Souter, J.W. The role of codeposited elements in gold plated contacts 4—41647
Whitmore, J. Simple circuits improve CMOS switch performance 4—58478
Whitmore, M. EDM in the aircraft industry 4—50246
Whitney, L.C. *see* Bergstedt, M.D. 4—51656
Whitney, L.C. *see* Heikkila, K.E. 4—46718
Whitney, L.T. *see* Hanna, W.T. 4—40673
Whitt, S. *see* Stevenson, A. 4—54763
Whitt, W. On approximations for queues. I. Extremal distributions 4—38115
Whitt, W. On approximations for queues. II. Mixtures of exponential distributions 4—38117
Whitt, W. Heavy-traffic approximations for service systems with blocking 4—53329
Whitt, W. *see* Klincewicz, J.G. 4—38116
Whittaker, A. *see* Amimoto, S.T. 4—37438
Whittaker, N., Zacharatos, J. The SARSAT transponder 4—32757
Whitten, P. CIT survey II—governments must free cable 4—48596
Whitten, W.B. Time domain optical spectrometry with fiber optic waveguides 4—47243
Whittier, J.S. *see* Amimoto, S.T. 4—37438
Whittingham, T.A. Caliper for use on a television screen 4—38827
Whittingham, T.A. Ultrasound in medical diagnosis 4—44737
Whittington, H.W. *see* Buchanan, G. 4—50603
Whittington, H.W. *see* Coghill, G.G. 4—46265
Whittington, H.W. *see* Wilson, J.G. 4—58104
Whittler, W.H., Collart, R.E. Control system testing 4—49373
Whitton, J.L. *see* Scanlon, P.J. 4—36460
Whitworth, I.R. 16-bit microprocessors 4—29167
Who Kee Chung A k-out-of-N:G redundant system with cold standby units and common-cause failures 4—57881
Whritenor, J.M. *see* Bilsback, M.S. 4—61457
Whybray, M.W. *see* Pearson, D.E. 4—53904
Whyte, H. Benefits of the modern PABX 4—43875
Whyte, I.A. *see* Kusic, G.L. 4—41469
Whyte, M.D. *see* Geraghty, D. 4—56510
Whyte, W. *see* Groumpos, P.P. 4—32912
Wiak, S. Method of calculation of the transient electromagnetic field in ferromagnetic materials for the known vector of induction B on the surface 4—47169
Wiberg, P.A. *see* Lengquist, B. 4—54446
Wible, P.M. Printed circuit etchant regeneration and metal recovery 4—41696
Wichards, H. The video conference—first steps in wideband individual communicators 4—55044
Wichmann, A. Evaluation of rotating machinery insulation by partial discharge pulse testing 4—40219
Wichmann, A. *see* Meyer, H. 4—36945
Wichmann, H., Phillips, D. Acoustic emission techniques for locating internal leakage of redundant components 4—33923
Wichniak, J. *see* Koj, J. 4—46713
Wicht, H. *see* Nestler, K. 4—57619
Wicht, P. *see* Beer, A. 4—61682
Wick, D. *see* Bondurant, D. 4—58283
Wick, D.F. Artwork generation 4—51622
Wicke, R., Engelhardt, K.G., Awad, R., Leifer, L., Van der Loos, M. Evaluation of a speaker-dependent voice recognition unit as an input device for control of a robotic arm 4—56173
Wickenden, D.K., Sisson, M.J., Todd, A.G., Kelly, M.J. Amorphous metal-semiconductor contacts for high temperature electronics. II. Thermal stability of Schottky barrier characteristics 4—46871
Wicker, A., Jacquelin, J. Development of a β''-alumina electrolyte and a sodium wick for beta-batteries 4—45610
Wicker, R.C. *see* Coburn, R.L. 4—29722
Wickeren, E.van *see* van Wickeren, E.
Wickersheim, K.A. *see* Alves, R.V. 4—61575
Wickersheim, K.A. *see* McNutt, W.J. 4—57122
Wickert, K., Schmuck, H., Demtroder, W., Baron, K. Improvement of drift stability of a fiber gyro by ratio recording 4—61341
Wickert, M.A., Ziemer, R.E. Performance degradations due to channel impairments in multi-h continuous-phase modulation systems 4—31850
Wickes, W.A. Analyze distribution system maintenance—by supergrids 4—34190
Wicki, F. *see* Ulmi, R. 4—34516
Wickman, K. *see* Timoc, C. 4—35871
Wickramasekara, L. *see* Cadieu, F.J. 4—30964
Wickramasinghe, H.K. Acoustic microscopy: present and future 4—49482
Wicks, F.E. *see* Ko, C.-D. 4—45032
Wicks, G. *see* Hsieh, K.H. 4—58937
Wicks, G. *see* Lee, H. 4—58938
Wicks, G.W. *see* Brown, A.S. 4—51819
Wicks, G.W. *see* Maki, P.A. 4—58791
Wicks, J.E. The application of Teletex service protocols on the UK public switched telephone network 4—48043
Wiczer, J.J. *see* Dawson, L.R. 4—51818
Wiczer, J.J. *see* Gourley, P.L. 4—41860
Wiczer, J.J. *see* Myers, D.R. 4—36546, 4—59343
Widdoes, L.C., Jr., Harding, W.C. CAE station uses real chips to simulate VLSI-based systems 4—30677
Widen, A. *see* Renhorn, I. 4—54897
Widen, J. A DMA-interface and a terminal concentrator for the Cambridge ring 4—54436
Widenka, D. Switchgear testing using a waveform recorder 4—49987
Widerlechner, J. Measuring of the mean value of a choke coil inductance 4—46644
Widermann, J. Deterministic and nondeterministic simulation of the RAM by the Turing machine 4—51226
Widiger, D., Hess, K., Coleman, J.J. Two-dimensional numerical analysis of the high electron mobility transistor 4—52118
Widl, W. *see* Eneborg, M. 4—54104
Widlok, H. Overload capacity of domestic fuses for semiconductors 4—30167
Widman, K.O. Cryptography—the art of secret-keeping 4—43198
Widmann, D., Schwabe, U. Limitations of ion implantation in MOS technology 4—36914
Widmer, A.X. *see* Rogers, D.L. 4—54746
Widmer, D.F. *see* Bednorz, J.G. 4—44490
Widmer, E. Grinding and tool grinding. XXXIX. Electrolytic cylindrical grinding 4—62856
Widmer, W.R. Encryption methods in modern data communication networks 4—38330
Widner, M.M. *see* Mendel, C.W. 4—55806
Widom, A., Clark, T.D. Quantum electrodynamic tunneling in a model ferroelectric capacitor with linear passive dissipation 4—51569
Widrow, B., Walach, E. On the statistical efficiency of the LMS algorithm with nonstationary inputs 4—43308
Widrow, B., Walach, E. Adaptive signal processing for adaptive control 4—53748
Widrow, B. *see* Walach, E. 4—43312
Wiecek, B. *see* Bek, S. 4—51568
Wiechmann, E. *see* Ziogas, P.D. 4—56542
Wieck, A.D., Batke, E., Heitmann, D., Kotthaus, H.P., Bangert, E. Lifting of the spin degeneracy of hole subbands in a surface electric field on silicon 4—51896
Wieck, A.D., Batke, E., Heitmann, D., Kotthaus, J.P. Intersubband resonance of holes and interaction with 2D plasmons on Si 4—58813
Wiedemann, H. *see* Huson, F.R. 4—39373
Wiedemann, W. *see* Dangel, J. 4—35712, 4—42084
Wiedemeier, H., Uzpurvis, A.E., Wang, D. Growth by CVT and characterization of $Hg_{1-x}Cd_xTe$ layers 4—35484
Wieder, A.W. *see* Werner, C. 4—36525

Wieder, H.H. Device physics and technology of III-V compounds 4—41833
Wieder, H.H. *see* Zhang, B. 4—36329
Wiederhold, R.P. *see* Avanessians, A.A. 4—54499
Wiedmann, S.K. Status and trends of I^2L/MTL technology 4—35721
Wiedmann, S.K. Advancements in bipolar VLSI circuits and technologies 4—52269
Wiedwald, J.D. *see* Price, R.H. 4—39066
Wiegleb, G. Sensors and their application: on the way to complete automatons 4—39149
Wiegmann, W. *see* Hayes, J.R. 4—36560
Wiegmann, W. *see* Miller, D.A.B. 4—53055
Wiegmann, W. *see* Pinczuk, A. 4—41878
Wiegmann, W. *see* Stormer, H.L. 4—42046
Wiegmann, W. *see* Venkatesan, T. 4—53076
Wiegmann, W. *see* Wood, T.H. 4—38655
Wieja, T. *see* Kleine, U. 4—53454
Wiejak, J.S. The correspondence problem in stereopsis 4—32077
Wiejak, J.S. Edge location accuracy 4—53885
Wieland, H. Problems in connection with the measurement of pressure and volume flow in air conditioning plants. I. Ventilator and plant characteristics 4—50235
Wieland, J. *see* Bartosinski, J. 4—62630
Wielandt, E. Design principles of electronic inertial seismometers 4—39700
Wiele, F.van de *see* van de Wiele, F.
Wiele, F.Van de *see* Van de Wiele, F.
Wielinga, T. *see* Lodder, J.C. 4—30948
Wieme, W. *see* Boucique, R. 4—52924
Wiemokly, G.D. *see* Cross, E.F. 4—55230
Wiener, M. *see* Yeh, L.T. 4—62458
Wienhofer, W. Changing patterns in measurement engineering. Measuring instruments for laboratory and development at the Hanover Fair 4—55173
Wienold, J. *see* Benthin, D. 4—56411
Wienskowski, J.Von *see* Von Wienskowski, J.
Wiersma, A.W. *see* 't Lam, R.U.E. 4—37206
Wierzba, G.M., Esmelioglu, S. Techniques for designing enhanced-gain-bandwidth-product circuits 4—35668
Wierzbicki, M., McDonald, G. A 12 GHz variable power divider 4—32759
Wiesel, H.Z. *see* Nachlas, J.A. 4—46049
Wiesel, M. *see* Diodato, P.W. 4—35824
Wieselthier, J.E., Ephremides, A. A distributed reservation scheme for spread spectrum multiple access channels 4—32125
Wieselthier, J.E., Ephremides, A. Reduced interference model for an M-ary FSK frequency hopping multiple access system 4—43954
Wiesemann, K. *see* Katsch, H.-M. 4—61634
Wiesemann, W., Englisch, W., Endemann, M., Rother, M., Diehl, W. Space qualifiable CW CO_2 laser 4—60822
Wiesemann, W. *see* Englisch, W. 4—60818
Wiesener, K. Status and development of electrochemical power sources 4—34822
Wiesenfeld, J.M., Stone, J. Picosecond pulse technology for ultra-high-speed optical-fibre communications 4—54791
Wiesenfeld, J.M., Stone, J., Marcuse, D. Chirp in picosecond semiconductor film lasers and passive pulse compression in optical fibers 4—59476
Wiesenfeld, J.M. *see* Stone, J. 4—52547
Wiesenfeld, K., Knobloch, E., Miracky, R.F., Clarke, J. Calculation of period doubling in a Josephson circuit 4—31076
Wieser, E., Panknin, D. Electrical activation and damage annealing of boron-implanted silicon by flash-lamp irradiation 4—36414
Wieser, E. *see* Kachurin, G.A. 4—41969
Wieser, E. *see* Klabes, R. 4—35494
Wieser, E. *see* Scharff, W. 4—29512
Wieser, W. *see* Scharff, W. 4—41061
Wiesmann, T. Oscilloscope extension: Testing servant. Extending frequency and time measurements 4—39222
Wiesmann, T. The use of a regulator IC as a VCO 4—46367
Wiesner, P. *see* Combes, J. 4—54586
Wiesner, S. *see* Bennett, C.H. 4—32805
Wiest, S. *see* Daugan, G. 4—43494
Wiestling, E. Automating telco records 4—48010
Wiggins, D.J. *see* Mines, G.L. 4—34464
Wigglesworth, M.J. *see* Herman, H. 4—47411
Wight, D.R. *see* Batey, J. 4—42490
Wight, J.S. *see* Constantinou, P. 4—32911
Wight, R.H. First-order performance prediction techniques for charge-coupled device scanning imagers 4—55267
Wiglasz, V., Cech, D. Analysis of inhomogeneity of magnetic properties in grain-oriented silicon steel sheets 4—42226
Wijayawardana, R. *see* Baker, S.I. 4—33727
Wijdemans, L.J.M. *see* Dijk, J. 4—60779
Wijk, A.van der *see* van der Wijk, A.
Wijker, W.J. *see* Gibbon, R.R. 4—62212
Wijns, W. *see* Reiber, J.H.C. 4—39548
Wik, M.W. Hardening of telecommunication networks against electromagnetic pulses 4—53228
Wikinson, D.J. *see* Bloom, R.D. 4—61213
Wiklund, P. *see* Ostling, M. 4—47073
Wikne, J.C. A modular data acquisition system based on a general purpose interface bus 4—48783
Wikner, V.C. *see* McMurray, W.R. 4—33585
Wikstrom, J. GaAs a prime candidate for fast supercomputer circuits 4—36701
Wikstrom, L.L., Nobe, K. Electrode kinetics of antimony in alkaline solutions 4—34837
Wilamowski, B.M., Mattson, R.H., Staszak, Z.J. The SIT saturation protected bipolar transistor [logic gate array application] 4—51153
Wilbarg, R.R. *see* Barry, J.A. 4—30491
Wilbarg, R.R. *see* Johnson, C. 4—36400
Wilbur, C.H., Calder, R.W. Planning and engineering modifications for operating nuclear plants 4—49677
Wilbur, J. *see* Subramanian, A.K. 4—49635
Wilbur, S. An overview of local area networks 4—43821
Wilbur, S.R. Aspects of distributed system management 4—54429
Wilcox, B., Stephenson, J.B. A robot submersible gold dredge 4—62904
Wilcox, D. What's the outlook for Illinois Bell customers? 4—32240
Wilcox, J.Z., Casperson, L.W. Power characteristics of single-mode semiconductor lasers 4—47466
Wilcox, N.A. *see* Chang, T.P. 4—55755
Wilcox, R.B. Silicon switch development for optical pulse generation in fusion lasers at Lawrence Livermore National Laboratory 4—59567
Wilcox, R.R. A table for Rinott's selection procedure 4—50631
Wilczek, F. *see* Arovas, D. 4—51737
Wild, D. *see* Boegli, J.-P. 4—43884
Wild, H. *see* Vater, P. 4—55961
Wild, N. *see* Coakley, P.G. 4—31568
Wild, W.J. *see* Barber, H.B. 4—33811
Wilde, P., Hunt, M.S.Q., Harms, V., Dengler, A.T. Interaction of engineering design constraints and oceanographic realities 4—34526
Wilder, J.G. Porous silica AR coating for use at 248 nm or 266 nm 4—42443
Wilderman, S. *see* Flynn, M.J.. 4—49154
Wildhaber, A. *see* Fluhr, J. 4—60871
Wildmann, D., Furler, R., Kneubuhl, F.K. A grazing incidence far-infrared laser 4—42574
Wildmann, D., Zheng, X., Preiswerk, H.P., Kneubuhl, F.K. Grazing-incidence far-infrared gas laser 4—52898
Wildmann, D. *see* Kneubuhl, F.K. 4—39388
Wildmann, D. *see* Zheng Xingshi 4—59417
Wilf, H.S. Backtrack: an O(1) expected time algorithm for the graph coloring problem 4—35371
Wilfert, H.H. *see* Fischer, J. 4—49562
Wilfert, H.-H. *see* Gamaleja, T. 4—50966
Wilgus, A.M. *see* Roucos, S. 4—53483
Wilhelm, H.E. Electromagnetic induction in accelerated conductors with frontal compression and rear dilution of magnetic flux 4—59711
Wilhelm, H.-R. Computer program using the finite element method and an iterative method [electric machines] 4—57060
Wilhelm, K. Overvoltage on switching transformers connected through overhead lines and cables 4—49928
Wilhelm, K. New crucible-type resistance furnaces for melting nonferrous metals 4—57557
Wilhelm, M. *see* Muller, W. 4—61280
Wilhelm, R., Bodirsky, H. The first optical transmission link for the communications network of Swiss Federal Railways 4—44130
Wilhelm, R., Lehmann, B. Light=safety. Electronic devices with individual batteries for autonomous emergency and safety lighting 4—45752
Wilhelm, R. *see* Janzen, G. 4—36200
Wilhelm, R. *see* Thumm, M. 4—36212
Wilhelm, R. *see* Zhang, Z.X. 4—36199
Wilhelmi, B. *see* Diels, J.-C. 4—59468
Wilhelmi, B. *see* Rudloph, W. 4—59577
Wilhelmi, B. *see* Rudolph, W. 4—31486
Wilhelmsson, H. *see* Delaunay, M. 4—61649
Wilhere, G.F. *see* Chizeck, H.J. 4—49320
Wilk, J. Control of power consumption optimisation 4—44982
Wilke, T.A. Automated material handling 4—46744
Wilke, V. Laser scanning in microscopy 4—31531
Wilke, W. *see* Drexler, J. 4—39419
Wilken, B., Studemann, W. A compact time-of-flight mass-spectrometer with electrostatic mirrors 4—55987
Wilkening, G. *see* Peters, M. 4—39162, 4—39163, 4—55709
Wilkening, M.H. *see* Andrews, L.L. 4—49478
Wilkens, B. *see* Venkatesan, T. 4—53076
Wilkens, B.J. *see* Venkatesan, T. 4—36398
Wilkens, W.B. *see* Palladino, J.R. 4—32259
Wilkers, R.J. *see* Strausz, S.C. 4—39466
Wilkerson, J.F. *see* Wender, S.A. 4—39499
Wilkes, J.G. The precipitation of oxygen in silicon 4—29454
Wilkie, B. Designing an MCU for high integrity systems 4—51266
Wilkins, B.R. *see* Christou, A. 4—35499
Wilkins, C.W., Jr. *see* Lyons, A.M. 4—59010
Wilkins, R., Cergel, L. Synthesized television modulator 4—32942
Wilkins, W.B. *see* Palladino, J.R. 4—32206
Wilkinson, C.D. *see* Zebroski, E.L. 4—49675
Wilkinson, C.D.W. *see* Cullen, T.J. 4—31170
Wilkinson, D.L. *see* Jackson, G.W. 4—58506
Wilkinson, F.J. Astigmatism errors in radiance measurements 4—49028
Wilkinson, H. Modem installation and data line testing 4—54487
Wilkinson, J. *see* Hall, M., Jr. 4—35373
Wilkinson, J.A., Balls, B.W. The development of emergency shutdown systems for complex high risk installations 4—62879
Wilkinson, J.H. On neighbouring matrices with quadratic elementary divisors 4—46062
Wilkinson, P.L. Select gas use for environmental purposes 4—34400
Wilkinson, R., Winslow, J. A DRAW disc compatible with Laservision standard players 4—55074
Wilkus, S. *see* Hartmann, C. 4—30928
Wilkus, S.A. *see* Wright, P.V. 4—52397
Will, D., Eggerth, S., Noack, S., Reichert, V. Automatic test data acquisition and evaluation on the test stand for the determination of the drag characteristics of hydraulic components 4—55204
Willander, M. *see* Grivitskas, V. 4—42457, 4—46801
Willard, G.A. *see* Edwards, P.F. 4—46688
Willard, J., Joslin, J. Modern medium-power travelling-wave-tube amplifiers for communications 4—58700
Willardson, R.K., Beer, A.C. *(editor)* Semiconductors and semimetals. Vol.19. Deep levels, GaAs, alloys, photochemistry 4—45830
Willats, B. The importance of calibration 4—33086
Willats, I. Active bass tone control 4—33031
Willats, T.F., Gratze, S.C. Design and performance of wide band Bragg cells 4—52726
Willats, T.F. *see* Bagshaw, J.M. 4—60177
Wille, R. *see* Geany, G.M. 4—36174
Willems, F.M.J. Two results for the multiple access channel with feedback 4—43065
Willems, F.M.J. Backward decoding for the discrete memoryless multiple access channel with generalized feedback 4—43189
Willems, L.F. Speech synthesis: state of the art 4—43278
Willemsen, P. *see* Bontius, G.H. 4—56794
Willerscheid, H. *see* Konig, W. 4—50514
Willett, J.B. Standard format data units: tools for automatic exchange of space mission data 4—48465
Willey, R.J. *see* Mullin, J.T. 4—42238
Willey, T., Durrani, T.S., Chapman, R. An FFT systolic processor and its applications 4—60113
Willey, T. *see* Chapman, R. 4—51477
Willgoss, R.A. Touch start techniques for TIG welding 4—57633
Williams, A. *see* Whiting, D. 4—55202
Williams, A.B. *see* Jayne, M.G. 4—57208
Williams, B.W. *see* Williamson, S. 4—46325
Williams, C.M. The trapezoidal approximation of digitized images 4—60430
Williams, D.A. Mini hydro plant—turbine section 4—45345
Williams, D.B. Estimating signal suppression under hard-limiting 4—31994
Williams, D.B. *see* Tsai, H.L. 4—30543
Williams, D.E. Reduction of vapor emissions from developer in circuit board manufacturing 4—46710
Williams, D.H. *see* Voorhees, J.W. 4—44850
Williams, D.N., Wood, R.A., Payer, J.H., Berry, W.E., Jackson, C.M., Dimmer, J.P. Root-cause failure analyses of waterwall tubes from fossil-fuel-fired units of four electric utilities 4—49732
Williams, E. Rapid computer communications by satellite 4—54684
Williams, E. Cable, telephone and broadcasting: short and long term 4—55028
Williams, E. The social implications of cable technology 4—60466
Williams, E.D., Hwang, R.Q., Park, R.L. Electron gun and detector for high resolution low energy electron diffraction 4—46754
Williams, F. The use of floating point arithmetic in digital filters and equalizers 4—51471
Williams, F. *see* Eldon, J. 4—30672
Williams, F.H., Smith, J.M., Baerwolf, R.R. Contrast enhancement of fission fragment tracks for automatic counting by image analyzing microscopes 4—33743
Williams, G. *see* Jones, R.H. 4—62214
Williams, G. *see* Leggett, J. 4—49293
Williams, G. *see* Psimenatos, N. 4—32205, 4—43588
Williams, G.D. *see* Knudson, J.E. 4—51142
Williams, G.F., Leon-Garcia, A. Performance analysis of integrated voice and data hybrid-switched links 4—53966
Williams, G.P. *see* Smith, G.C. 4—55839
Williams, G.T. *see* Allan, R.N. 4—34070
Williams, H.C. An overview of factoring 4—53426

Williams, H.C., Dueck, G.W. An analogue of the nearest integer continued fraction for certain cubic irrationalities 4—46183
Williams, H.E., Kwon, T.M., McClelland, T. Compact rectangular cavity for rubidium vapor cell frequency standards 4—38999
Williams, H.E. *see* Chamberlin, E.P. 4—61627
Williams, J. Take advantage of thermal effects to solve circuit-design problems 4—51486
Williams, J. Monolithic power-buffer IC drives difficult loads 4—58473
Williams, J.A., Campbell, H.E., Wood, A.J., Ladner, J.A. Evaluation of load management effects on distribution system design 4—56590
Williams, J.A. *see* Lucci, A.D. 4—39668
Williams, J.C., Goodman, S.E., Coon, R.L. Fiber-optic subsystem considerations of multimode star coupler performance 4—54819
Williams, J.C., May, R.G., Jr., Althouse, E. High-performance bidirectional optical rotary joint 4—54820
Williams, J.C. *see* Slonecker, M.H. 4—52668
Williams, J.D. *see* Malek-Zavarei, M. 4—54538
Williams, J.F., Yount, L.J., Flannigan, J.B. Advanced autopilot-flight director system computer architecture for Boeing 737-300 aircraft 4—49416
Williams, J.G. *see* Asfar, A.N. 4—55882
Williams, J.G. *see* Gray, P.W. 4—55906
Williams, J.R. *see* France, P.W. 4—47253
Williams, J.R. *see* Poweleit, H.R. 4—41739
Williams, J.S. *see* De Cata, L. 4—58853
Williams, J.T., Paul, R.J.A., Simkin, J. Three-dimensional finite-element modelling of a superconducting suspension system 4—31614
Williams, J.T. *see* McGraw, J.T. 4—39072
Williams, J.T. *see* Takacs, P.Z. 4—56050
Williams, J.T. *see* Weistrop, D. 4—61245
Williams, J.W. *see* Holland, R. 4—31692
Williams, K.F. *see* Sartain, R.B. 4—57804
Williams, K.J. *see* Wright, M.H. 4—36171
Williams, L.M., Hess, D.W. Photoelectrochemical properties of plasma-deposited TiO_2 thin films 4—42464
Williams, L.R., Jr. *see* Jayadev, J.S. 4—40501
Williams, M. The stereophonic 'zoom'—a practical approach to determining the characteristics of a spaced pair of directional microphones 4—44374
Williams, M. The volt viewer [sensor monitoring using BBC Microcomputer] 4—55165
Williams, M.D., Petro, W.G., Kendelewicz, T., Pan, S.H., Lindau, I., Spicer, W.E. An exploratory study of the reactive Ni-GaAs (110) interface 4—58799
Williams, M.H., Milne, K.T. The performance of algorithms for colouring planar graphs 4—40940
Williams, M.J. *see* Suckling, C.W. 4—30064
Williams, M.J., Jr. How standards affect hospitals 4—49105
Williams, N. A whose new era in audio/video 4—48625
Williams, P. Sequence processing for in-circuit LSI/VLSI testing 4—30680
Williams, P. Using linear potentiometers in place of sine/cosine potentiometers 4—41613
Williams, P. The Miniblo [breath controller] 4—61129
Williams, P., Needham, P.J. A wide-range programmable constant-current source 4—46340
Williams, P.B. Practical applications of energy storage flywheels 4—57375
Williams, P.D.L. Inexpensive multipurpose airborne surveillance radar 4—54867
Williams, P.J. *see* Plastow, R. 4—52994
Williams, P.J.S., Jones, G.O.L., Jain, A.R. Methods of measuring plasma velocity with EISCAT 4—56296
Williams, R. *see* Bolton, R. 4—55816
Williams, R.A., Pattanayak, D.N. A two-dimensional two-carrier IGFET model based on generalized stream functions 4—36526
Williams, R.B. *see* Denney, R.O. 4—44869
Williams, R.E. *see* Frensley, W.R. 4—58547
Williams, R.L., Grothaus, G.E. Determination of actinides at the Radiological and Environmental Sciences Laboratory 4—55998
Williams, R.T. Private initiative and public regulation [videotex] 4—48104
Williams, R.T. *see* Hunter, W.R. 4—55792
Williams, T. VLSI software components balance standardization with flexibility 4—41419
Williams, T. As densities increase, EEPROMs grope toward standards 4—46444
Williams, T. Capacitance sensing comes to fruition 4—55382
Williams, T. Semiconductor memories: density and diversity 4—58296
Williams, T.A. *see* Hane, G.J. 4—40639
Williams, T.L., Davidson, N.T. Equipment for automatic MTF testing of infrared and visible wavelength optics 4—55164
Williams, T.W. VLSI testing—its potential and problems 4—45971
Williams, W.D., Giordano, N. Fabrication of 80 Å metal wires 4—29246
Williams, W.D. *see* Lee, L.M. 4—61356
Williams, W.E., Soileau, M.J., Van Stryland, E.W. Optical switching and n_2 measurements in CS_2 4—47511
Williams, W.E. *see* Soileau, M.J. 4—42721
Williams, W.E. *see* Van Stryland, E., W. 4—42689
Williams, W.G. *see* Newport, R.J. 4—56034
Williams, W.P., Mudge, S.G. Reliability assessment for industrial power networks 4—34067
Williamson, A.G., Egan, B., Chester, J.W. Mobile radio propagation in Auckland at 927 MHz 4—43971
Williamson, C. Buzby and the Beeb [microcomputer access to viewdata] 4—48074
Williamson, D. *see* Sridharan, S. 4—30024
Williamson, E.P. *see* Duvoisin, P.F. 4—37832, 4—60412
Williamson, F.R., Trostell, J.M., Zehner, S.P., McGee, M.C. Field tests and modelling of grazing microwave propagation phenomena at L-band and X-band frequencies 4—54879
Williamson, J. United Kingdon telecommunications: market on the move 4—43522
Williamson, J. Light, the tightrope walker of communications 4—44129
Williamson, J. Telecommunications: the view from Hong Kong 4—60356
Williamson, J. Office automation: PABXs and LANs 4—60358
Williamson, J. Cellular radio: a market on the move 4—60707
Williamson, M. Making footprints on Europe. IV. [satellite systems] 4—54673
Williamson, P.R. *see* Raitt, W.J. 4—33919
Williamson, R.C. *see* Becker, R.A. 4—60194
Williamson, R.C. *see* Cox, C.H., III 4—59299
Williamson, S., Cann, R.G., Williams, B.W. Calculation of power losses in thyristor converters 4—46325
Williamson, S. *see* Ralph, J.W. 4—31556
Willigen, D.van *see* van Willigen, D.
Willing, A. Emergency lighting. Optimization of the engineering of emergency luminaires 4—50193
Willing, R. *see* Mehlmann, A. 4—46099
Willingmyre, G.T. Role of standards: international commerce for medical devices 4—49106
Willingshofer, K.-H. Power supplies for electronic equipment 4—29630
Willis, A. Generic test programming 4—33109
Willis, H.L., Northcote-Green, J.E.D. Comparison tests of fourteen distribution load forecasting methods 4—56502
Willis, H.L., Northcote-Green, J.E.D., Tram, H.N., Powell, R.W. An improved method of extrapolating distribution system load growth 4—56592
Willis, H.L., Powell, R.W., Wall, D.L. Load transfer coupling regression curve fitting for distribution load forecasting 4—45011
Willis, J. Using the STD bus for encoder/decoder systems aboard a high-altitude balloon platform 4—48782
Willis, K. One body analysis of the gain mechanism of a free electron laser 4—42515
Willis, P.J. The Bath token ring: architecture and early experience 4—54422
Willis, P.J. *see* Milford, D.J. 4—44440
Willits, J.L. *see* Balza, J.J. 4—32386
Willmann, R. *see* Aprile-Giboni, E. 4—55812
Willmes, H. Stationary batteries 4—57302
Willmes, O. *see* Bischof, H. 4—41116
Willmott, C. *see* Allison, W.W.M. 4—61683
Willmott, C. *see* Becker, U. 4—39412
Willms, K. *see* Drews, P. 4—33484
Willoper, J. *see* Iwanow, E. 4—35412
Willoughby, A.H. Electric lamps—the first one hundred years and beyond 4—62796
Willrich, M. Utility strategies for the nation's future 4—39844
Willsky, A.S. *see* Rossi, D.J. 4—60260
Willson, A.N. *see* Lee, B.G. 4—41177
Willson, A.N., Jr. *see* Adams, J.W. 4—41495
Willson, C.G. *see* Badami, D.A. 4—36715
Willson, C.G. *see* Chao, V.W. 4—51947
Willson, C.G. *see* Hofer, D.C. 4—29262, 4—58839
Willutzki, H.-J. *see* Brown, J.S. 4—39487
Wilmot, P. Large capacity optical disks for mass document storage 4—55049
Wilmsen, C.W. *see* Kato, Y. 4—41986
Wilnai, D. MIL-STD-1750 microprocessor development program 4—46512
Wilpon, J.G., Rabiner, L.R., Martin, T. An improved word-detection algorithm for telephone-quality speech incorporating both syntactic and semantic constraints 4—37893
Wilpon, J.G. *see* Rabiner, L.R. 4—37892, 4—43270, 4—59993
Wilreker, V.F. *see* Scott, G.W. 4—45382
Wilreker, V.F. *see* Smith, R.F. 4—56898
Wilski, H. Radiation degradation behavior of high polymers 4—59079
Wilson, A. *see* Friedman, M. 4—34946
Wilson, A.D. Lithography requirements in complex VLSI device fabrication 4—47109
Wilson, A.D. *see* Powers, J.V. 4—55706
Wilson, A.D. *see* Vettiger, P. 4—30485
Wilson, A.D. *see* Viswanathan, R. 4—51932
Wilson, A.R. *see* Parfitt, H.T. 4—50820
Wilson, B. Fibre optic communications. I. Optical fibres and waveguide transmission 4—37110
Wilson, B. Fibre optic communications. II. Optical sources, detectors and receivers 4—44113
Wilson, B. Fibre optics communications. III. Systems and applications 4—54761
Wilson, B.J. Electromechanical magnet 4—30159
Wilson, C. *see* Aprile-Giboni, E. 4—55812
Wilson, C.G. *see* Hofer, D.C. 4—58829
Wilson, C.L. *see* Brodfuehrer, B.P. 4—29154
Wilson, D. Integrated circuits: advanced μP designs will rely on OS support 4—47070
Wilson, D., Frick, N., Lo, S., Hsu, T.-H., Strouth, T., Barrera, J. An ECL compatible 4 bit GaAs universal shift register, binary counter chip set for gigahertz system operation 4—29826
Wilson, D. *see* Barrera, J. 4—41265
Wilson, D. *see* Bitterman, D. 4—61947
Wilson, D.A., Nolvak, V. Bondable insulation systems 4—36949
Wilson, D.D. *see* Hartman, L.B. 4—45131
Wilson, D.N. *see* Astbury, A. 4—33756
Wilson, E.M. Tidal power 4—34490
Wilson, G. Technical advances benefit battery power systems 4—34137
Wilson, G. Advances in wide area paging technology 4—44004
Wilson, I.H. Synthesis of silicon dioxide by ion implantation 4—36397
Wilson, I.H. *see* Bangert, U. 4—36345
Wilson, I.H. *see* Belson, J. 4—36431
Wilson, J., Tuft, G. Design of the electrical power system 4—62121
Wilson, J. *see* Liburdi, J. 4—50436
Wilson, J. *see* Windsor, B. 4—41289
Wilson, J.G., Whittington, H.W., Forde, M.C. Dielectric properties of concrete at different frequencies 4—58104
Wilson, J.J. *see* Bohlander, R.A. 4—37593
Wilson, J.L., Jolly, M.B. Unified analysis approach to EME from nonlinear environments 4—37643
Wilson, J.R. Fitting Johnson curves to univariate and multivariate data 4—35364
Wilson, J.S. An improved method of temperature compensation of crystal oscillators 4—30911
Wilson, J.W., Stock, L.V. Equivalent electron fluence for space qualification of shallow junction heteroface GaAs solar cells 4—45639
Wilson, J.W., Walker, G.H., Outlaw, R.A. Proton damage in GaAs solar cells 4—40437
Wilson, P. Choose protection to match your motor 4—45390
Wilson, P. Thirty-two bit micro supports multiprocessing 4—46483
Wilson, P. Electronic mailbox systems 4—54150
Wilson, P. *see* Dankberg, M. 4—53560
Wilson, P.F., Chang, D.C., Ma, M.T., Crawford, M.L. Theoretical and experimental analysis of coupling characteristics of dual TEM cells 4—37663
Wilson, P.F., Ma, M.T. Small aperture analysis of the dual TEM cell 4—59836
Wilson, P.S. Designer's notebook [switched mode power suppliers] 4—29641
Wilson, R. Caterpillar launches all new medium-speed engines 4—45319
Wilson, R. Uncertainty, eigenvalue problems and filter design 4—53930
Wilson, R. Quad-tree predictive coding: a new class of image data compression algorithms 4—60229
Wilson, R. The research submersible MAKALI'I: a versatile tool for supporting marine research 4—61967
Wilson, R. *see* Gottschalk, B. 4—39600
Wilson, R. *see* Knutsson, H. 4—38103
Wilson, R.A., III *see* Baumert, R.J. 4—35906
Wilson, R.B. *see* Besomi, P. 4—42625
Wilson, R.G. Depth distributions of ^1H, ^2H, and ^4He implanted into HgCdTe and CdTe measured by secondary ion mass spectrometry 4—46922
Wilson, R.G. *see* Zavada, J.M. 4—51978
Wilson, R.N., McCorkell, C. A tailored learning package for multivariable frequency response analysis 4—29159
Wilson, S. *see* Bolton, R. 4—55816
Wilson, S. *see* Thompson, A.C. 4—56095
Wilson, S.G., Sleeper, H.A. 4-D modulation and coding: an alternate to frequency reuse 4—43171
Wilson, S.R., Paulson, W.M., Gregory, R.B., Gressett, J.D., Hamdi, A.H., McDaniel, F.D. Fast diffusion of As in polycrystalline silicon during rapid thermal annealing 4—58715
Wilson, S.R., Paulson, W.M., Gregory, R.B., Hamdi, A.H., McDaniel, F.D. Rapid isothermal annealing of As-, P-, and B-implanted silicon 4—51750
Wilson, T., Veselka, J.J., Jackel, J.L. A liquid crystal cut-off modulator for multimode optical waveguides 4—31191
Wilson, T.G. *see* Kelley, A.W. 4—57138
Wilson, T.G. *see* Thottuvelil, V.J. 4—59149
Wilson, T.J. *see* Rose, K. 4—29758
Wilson, T.L. RF heating equipment and international ISM standards 4—37648
Wilson, W.H. *see* Ernest, C.R. 4—49842

Wilson, W.L. *see* Tittel, F.K. 4—37321
Wilson, W.L., Jr. *see* Nachshon, Y. 4—47413
Wilson-Smith, M. Synthetic fibre [musical instrument digital interface] 4—61140
Wilt, D.P., Karlicek, R.F., Strege, K.E., Dautremont-Smith, W.C., Dutta, N.K., Flynn, E.J., Johnston, W.D., Nelson, R.J. Channelled-substrate buried heterostructure InGaAsP/InP lasers with vapor phase epitaxial base structure and liquid phase epitaxial regrowth 4—52984
Wilt, D.P. *see* Bowers, J.E. 4—37395, 4—52989, 4—52995
Wilt, D.P. *see* Dutta, N.K. 4—52969
Wiltgen, P. *see* Lakin, P. 4—29659
Wilton, D.R., Rao, S.M., Glisson, A.W., Schaubert, D.H., Al-Bundak, O.M., Butler, C.M. Potential integrals for uniform and linear source distributions on polygonal and polyhedral domains 4—37516
Wiltse, J.C. Development of terrestrial millimeter-wave communications 4—43965
Wiltse, J.C. Millimeter-wave radar features unique characteristics and designs 4—54868
Wiltse, J.C. *see* Dees, J.W. 4—39192
Wiltshire, B. Stress relaxation measurements of aluminum conductors in insulation displacement connectors (IDCs) and related effects on contact resistance 4—41675
Wiltshire, B., Collins, J.W. The development of a computer-aided contact resistance measurement system 4—61493
Wiltshire, J. The Hunterston B advanced gas cooled reactor training simulator 4—34315
Wiltshire, R.A.P. *see* Rytz, A. 4—56015
Wimmer, E. *see* Freeman, A.J. 4—44680
Wimmer, H.K. On the dimension of biinfinite systems 4—35420
Wimmer, L. A Lufthansa view of TCAS 4—33944
Wimmer, L., Hertl, S., Hemetsberger, J., Benes, E. New method of measuring vibration amplitudes of quartz crystals 4—36979
Wimpee, L.C., Sturtz, J.P., Shirayama, S., Itoh, T. Wide range neutron monitor 4—33897
Winard, H. Focus on switching power supplies 4—57159
Winard, H. Focus on subminiature switches 4—58587
Winarski, D.J. *see* Henderson, I.E. 4—33460
Winblade, R. The all-electric airplane: what is it? 4—49432
Wincenciak, S. Analysis of electrical, temperature and velocity fields in two-dimensional of electrode glass furnace 4—50272
Winckless, C.G. Computer aided testing: mechanical reliability for electronic products 4—35329
Windle, M.N. The operational effects of unreliability in RAF equipment 4—46018
Windsor, B., Wilson, J. Arithmetic duo excels in computing floating point products 4—41289
Wineland, D.J. *see* Bollinger, J.J. 4—39002
Winer, B.M. Relationship between equity and efficacy of conservation programs 4—45010
Winfield, B. Document transfer by satellite 4—44018
Winfree, W.P. Ultrasonic characterization of changes in viscoelastic properties of epoxy during cure 4—56349
Wing, D. *see* Doyle, B.L. 4—50848
Wing, O. Interval-graph-based circuit layout 4—36891
Wing, O. *see* Yu, Q. 4—42158
Wing, W.H. *see* De Serio, R. 4—31454
Wingate, D. PC-board LC delay line controls strobe pulses for dynamic RAM arrays 4—41261
Winiarski, B., Zakrzewski, Z. Converter drives with high voltage high power motors 4—49971
Winick, H., Watson, R.E. Worldwide census of synchrotron radiation facilities 4—55804
Winje, D. State and prospects of electric current generation from nuclear energy in the United States of America 4—49701
Winkel, H. The cable pilot project Ludwigshafen/Vorderpfalz 4—61054
Winkelmann, G. *see* Lademann, J. 4—52885
Winkelmann, H. Speech- and data radio equipment Teleport 9: bespoke walkie-talkie 4—60695
Winkle, R.A. *see* Mower, M.M. 4—44786
Winkler, G. *see* Schonfeld, R. 4—36696
Winkler, J. Cast epoxy compounds in high voltage engineering 4—36954
Winkler, J. *see* Gubanski, S.M. 4—59098
Winkler, R. *see* Hotzl, H. 4—56010
Winn, D. *see* Aprile-Giboni, E. 4—55812
Winn, M.M. *see* Sun Luorui 4—55835
Winner, L. *see* Calhoun, C. 4—50300
Winnerl, J. *see* Takacs, D. 4—36855
Winnick, J. Carbon dioxide sensor for use at high ambient pressures 4—61761
Winograd, S. *see* Greenberg, A.G. 4—48263
Winokur, M., Cory, B.J. A method for multiple contingency evaluation in emergencies 4—34084
Winokur, M., Cory, B.J. Identification of strong and weak areas for emergency state control 4—56457
Winpigler, D. *see* MacGregor, D. 4—58357
Winslow, J. *see* Wilkinson, R. 4—55074
Winston, H.V., Hunter, A.T., Olsen, H.M., Bryan, R.P., Lee, R.E. Substrate effects on the threshold voltage of GaAs field-effect transistors 4—58917
Winston, J.G. *see* Warren, R.W. 4—47371
Winsum, J.A.van *see* van Winsum, J.A.
Winter, A. BOP and BOL, two oscilloscopes for laboratory, service and production 4—39230
Winter, C.S., Tredgold, R.H. Influence of Langmuir-Blodgett monolayers on the Schottky barrier height of gallium phosphide diodes 4—52054
Winter, C.S., Tredgold, R.H., Hodge, P., Khoshdel, E. Dependence of the Schottky barrier height of GaP/polymer/Au diodes on the area per carboxylic acid group 4—52051
Winter, D. Exchange communications become digital and integrated 4—43552
Winter, G.-G. *see* Ahme, J. 4—39470
Winter, H.-J. Computer-aided simulation of logic circuits 4—41320
Winter, I. *see* Altmann, O. 4—41125
Winter, M. *see* Anderson, L. 4—55989
Winter, P.M. There's more to videotex than meets the eye 4—54228
Winter, R.E. *see* Thomas, L.P. 4—46538
Winterberg, F. Comments on 'Mass Driver Two: a status report' 4—31617
Winterberg, F. The electromagnetic rocket gun—a novel launch concept 4—42817
Winterberg, F. *see* Chen, K.W. 4—34960
Winterbottom, N. *see* Newberry, S. 4—47090
Winterbottom, N. *see* Russell, P.J. 4—46303
Winternitz, R.S. Producing a one-way hash function from DES 4—53437
Winters, J.H. Differential detection with intersymbol interference and frequency uncertainty 4—32725
Winters, J.K. *see* Parker, P.L. 4—61944
Winther, M. International standards offer advantages in the longer term 4—57456
Wintner, E., Ippen, E.P. Nonlinear carrier dynamics in $Ga_xIn_{1-x}As_yP_{1-y}$ compounds 4—41830
Wintroub, H.B. *see* McColl, M. 4—36064
Winward, D.J. *see* Ligler, G.T. 4—55612
Winzer, G. Wavelength multiplexing components [single mode fibre systems] 4—54822
Wipasuramonton, O. *see* McNulty, P.J. 4—55884
Wipf, S. *see* Chen, K.W. 4—37558
Wiren, K.T. *see* Smedman, K.E. 4—57183
Wirnitzer, B. *see* Lohmann, A.W. 4—59901
Wirth, E., Castelli, G. Evaluation and investigation of dynamic phenomena in industrial and power plant networks 4—44949
Wirth, E. *see* Reichert, K. 4—44952
Wirth, K.-D. Some remarks on feedback queues 4—35355
Wirth, P. A new fast axial flow CO_2-laser with 1000 watt output power 4—52879
Wirth, W.F. The gate turnoff thyristor in the cascode configuration 4—52082
Wise, D. Microcomputers help sell Manhattan apartments 4—54324
Wise, D.S., Schoenborn, B.P. The biology spectrometer for small-angle X-ray scattering at the National Synchrotron Light Source 4—56061
Wise, G.L. Some common misconceptions in communication theory 4—37815
Wise, G.L. *see* Halverson, D.R. 4—43318, 4—43320, 4—53902
Wise, G.L. *see* Lu, F.-S. 4—47759
Wise, J.G. *see* Gregor, L.V. 4—51949
Wise, K.D., Najafi, K. A micromachined integrated sensor with on-chip self-test capability 4—61804
Wise, K.D. *see* Mochizuki, T. 4—36599
Wisinski, D.E. *see* Brown, J.S. 4—39487
Wislowski, J. *see* Lazinska, A. 4—47117
Wisman, C.B. *see* Rosenberg, G. 4—49312
Wismer, R.D. *see* Millar, G.H. 4—57749
Wisnieff, R. *see* Wheeler, R.G. 4—51900
Wisniewski, J.A., Hudson, J.A. Layout modeling and global routing strategies for rectilinear shaped macrocell assemblies 4—36774
Wisniewski, W. Investigation of safe operating conditions of the OP-430.010 boiler radiant tubes 4—56800
Wisoff, P.J.K., Young, J.F. Active mode locking of a microwave-pumped XeCl laser 4—37297
Wissenbach, K. *see* Beyer, E. 4—37509
Wisshak, K., Kappeler, F., Schatz, G. Calculated efficiency of a 4π detector of BGO or BaF_2 for monoenergetic gamma rays and gamma cascades following neutron capture 4—39430
Wisshak, K., Walter, G., Kappeler, F. Self-absorption of neutron capture gamma-rays in gold samples 4—33659
Wissing, W. *see* Seibt, D. 4—48069
Wiswall, C.E., Lilenfeld, H.V., Bragg, S.L. Operation of an ICl fueled oxygen-iodine chemical laser 4—52870
Wiszniewski, A. Exact localization of short circuit place in overhead power lines 4—49649
Wit, N.de *see* de Wit, N.
Wit, R.P.de *see* de Wit, R.P.
Witakowski, W. Maintenance of lighting equipment in industrial plants 4—62782
Witaszczyk, J. Correction of the colorimetric errors in the TV sets 4—61011
Witczak, S. Principles of qualifying distribution transformers for repair or scrapping 4—49938
Witczak, St. Failure rate of transformers in the power industry from 1977 to 1982 4—62593
Witek, R. *see* Beck, J. 4—51304
Witen, I.H. *see* Cleary, J.G. 4—43100
Withers, D.J. A review of technical aspects of efficient use of the geostationary satellite orbit 4—60799
Withers, M.J. Advanced multibeam ideas for satellite reception 4—48458
Withers, R.S. Electron devices on piezoelectric semiconductors: a device model 4—47162
Withers, R.S., Wright, P.V. Superconductive tapped delay lines for low-insertion-loss wideband analog signal-processing filters 4—37082
Withey, S. Expanding the VIC 20. VI. ADC/DAC board 4—40279
Withey, S. Expanding the VIC 20. VII 2532 EPROM programmer 4—46473
Withington, P.T. Data security and network protocols 4—32399
Withington, S. Cryogenic GaAs FET amplifier 4—41587
Withrow, F.B. *see* Lerner, E.J. 4—50364
Witkamp, F. Data communication 4—54016
Witke, W. *see* Beiermann, N. 4—39358
Witkin, A.P. Scale-space filtering: a new approach to multi-scale description 4—60124
Witkover, R.L. Operational experience with the BNL magnetron H^- source 4—61646
Witkowski, H. *see* Michnikowski, P. 4—50173
Witowski, A. Rheological properties of nitrocellulose binders and emissive pastes used in the technology of cathodes for TVC 4—41745
Witt, A.F. *see* Bourret, E.D. 4—50735
Witt, A.F. *see* Wang, C.A. 4—35467
Witt, A.F. *see* Wargo, M.J. 4—36270
Witt, E. Decade TTL pulse generator 4—41249
Witt, G.R. The potentiometric pressure transducer develops into the 1980s 4—61350
Witt, M., Reeder, D. A new generation air defense radar 4—48510
Witt, S. Computer-aided measurement of temperature and thermally induced stress in electrically-heated forging tools 4—55723
Witt Huberts, P.K.A.de *see* de Witt Huberts, P.K.A.
Witt Huberts, P.K.A.De *see* De Witt Huberts, P.K.A.
Wittchow, G., Baust, E., Schoning, J. Status of the construction of the THTR-300 MW and the design of a 500 MW follow-on plant 4—45256
Wittchow, G. *see* Baust, E. 4—62315
Witte, G. *see* Obermoller, U. 4—38054
Witte, K.J. High power pulsed gas lasers 4—52875
Witte, S. *see* Strassle, G. 4—39129
Wittek, L., Erlenhof, A., Muller, H.-J. Prefabricated, type-tested and fully insulated compact substations with transformers and I_k circuit breaker 4—34707
Witteman, C., Klees, J.E. The repair and modification of the feedwater connection on the reactor vessel of the Dodewaard nuclear power station 4—62287
Witteman, W.J., Kleikamp, B.M.H.H. On the electron-beam pumped KrF laser 4—31308
Witteman, W.J. *see* Kleikamp, B.M.H.H. 4—31317
Witteman, W.J. *see* Peters, P.J.M. 4—31310
Witten, I.H., Cleary, J.G. Picture coding and transmission using adaptive modelling of quad trees 4—32070
Witten, I.H. *see* Cleary, J.G. 4—47758
Wittenberg, C. *see* Fetter, W. 4—39054
Wittenburg, K. *see* Ahme, J. 4—39470
Wittendorp-Rechenmann, E. *see* Rechenmann, R.V. 4—55871
Wittenstein, W. *see* Buchtemann, W. 4—55258
Witterholt, E.J. *see* Kretzschmar, J.L. 4—35105
Witters, D.M. *see* Kantor, G. 4—39584
Witters, J. *see* Stesmans, A. 4—30437
Witthoff, J.D. *see* Leung, J.Y.-T. 4—50667
Wittig, G. *see* Thomas, H.-M. 4—41126
Wittig, M. The concept of the 'low intermediate frequency translation loop' LIFTL and its implication on a CO_2 laser intersatellite data link system 4—59925
Wittig, M., Wehr, A. Design criteria for space based laser ranging systems 4—60917
Wittig, R. *see* Gibson, B. 4—32418
Wittke, P.H., McLane, P.J., Ma, P. On phase noise and frequency offsets in the reception of frequency dehopped M-ary FSK 4—31843
Wittlinger, H. Precision op-amp rectifier eliminates diodes for economy, simplicity 4—58136
Wittmann, J. *see* Keil, R. 4—52554
Wittmann, J.C., Lotz, B. Epitaxial crystallization of selenium on linear polyphenyls 4—35493
Wittmann, R. *see* Hintergraber, M. 4—34274
Wittmer, D. *see* Pfeiffer, W. 4—39064
Wittmer, M. Barrier layers: principles and applications in microelectronics 4—47072
Wittwer, L.A. *see* Knepp, D.L. 4—47605
Wittwer, N.C. *see* Luryi, S. 4—36728
Witwer, J.G., DeMeo, E.A., Taylor, R.W Research evaluation of photovoltaic power systems 4—49816

Witzig, M. *see* Apter, R. 4—36122, 4—39951
Witzmann, J. *see* Berloffa, E.H. 4—59666
Wladimirski, O.A., Kusnezow, W.F., Safonow, L.P. Projected designs of steam turbines in the range from 200 to 800 MW with improved economy 4—45294
Wlezien, R.W., Miu, D.K., Kibens, V. Characterization of rotating flexible disks using a laser Doppler vibrometer 4—61537
Wlodarczyk, J. Testing problems of LSI circuits 4—57815
Wo Fan *see* Fan Wo
Wo Xinneng *see* Wang Daheng 4—37514
Wobig, H. *see* Brossmann, U. 4—47230
Wobus, C., Gutsche, H. Start synchronisation in the transmission of binary signals 4—31975
Wock, S. Comments on 'On the toxicity of SF_6 insulating gas' by A. van Roggen, et al 4—42186
Woggon, U., Wandel, K., Weinfrt, H. Temperature dependence of minority carrier lifetime in VPE GaP:N, Te 4—37207
Wohl, A.D. PC networks 4—43737
Wohlfarth, E.P. Different methods of assessing switching field distributions of magnetic recording media 4—30997
Wohlfarth, E.P. *see* Chantrell, R.W. 4—31010
Wohlford, R.E. *see* Landell, B.P. 4—53552
Wohlgemuth, J.H., Kelly, G.J., Hoelscher, J.F. An improved technique for interconnecting conductively coated coverslides 4—40468
Wohlleben, R. *see* Sauter, E. 4—53291
Wohlschlegel, M.V., Myers, G., Marcellino, A. Flexibility and economics of combustion turbine-based cogeneration systems 4—49765
Wohltjen, H., Jarvis, N.L., Snow, A., Barger, W., Giuliani, J., Dominguez, D. Chemical microsensors for vapor detection 4—61370
Wojas, J. Spectra of quantum yields and photoemission 4—46755
Wojcicka, J. Digital simulation of starting of converter-fed synchronous motor 4—49850
Wojcicka, J.B. Electromagnetic torque of synchronous motor fed by current inverter of external commutation 4—49861
Wojcicki, M. *see* Gondek, J. 4—33253, 4—36160, 4—48850
Wojciechowski, J.A., McHale, M.C. Communications for a global society 4—32178
Wojciekfsky, E. *see* Patel, A.B. 4—36403
Wojcik, M. Procedure for the measurement of the radon concentration in natural gas 4—33729
Wojcik, M. *see* Kowalczyk, J. 4—40813
Wojcik, Z. Specialized image processors 4—55338
Wojczynski, E. *see* Billinton, R. 4—34057
Wojda, A. *see* Chruscielewski, W. 4—55972
Wojda, A. *see* Domanski, T. 4—55968
Wojtczuk, S. *see* von Lehmen, A. 4—59333
Wojtecki, R.G. New developments in the insulating of electrical conductors by tape wrapping 4—36106
Wojtowicz, S. Digital filtration in multiinput measuring systems 4—48792
Wojtowicz, S., Rzemieniewski, P. Monitoring insulation resistance of live industrial equipment 4—42189
Wolaver, D., Roadstrum, W.H. Outside-in electrical engineering instruction for non-EE majors 4—35199
Wolczynski, W., Bartosinski, J. Application of optocouplers in firing circuits of SCBs and triacs 4—47353
Wolczynski, W. *see* Bartosinksi, J. 4—62632
Wolczynski, W. *see* Bartosinski, J. 4—62630
Wold, R.A. *see* Haley, R. 4—35297
Wolecki, E. *see* Cholewicki, I. 4—62554
Wolf, A. *see* Scharff, W. 4—29512, 4—41061
Wolf, D. Speech coding 4—43291
Wolf, D., Reininger, H., Dziumbla, J. A comparative study of various speech encoding schemes using vector quantization 4—53523
Wolf, E., Agarwal, G.S. Coherence theory of laser resonator modes 4—37400
Wolf, E.D., Adesida, I., Chinn, J.D. Dry etching for submicron structures 4—46942
Wolf, E.D. *see* Chao, P.C. 4—36058, 4—58549
Wolf, E.D. *see* Chinn, J.D. 4—30540, 4—46961
Wolf, E.D. *see* Karapiperis, L. 4—41976
Wolf, E.M. *see* Abele, E. 4—50512
Wolf, F. *see* Wulst, N. 4—48247
Wolf, H., Ulm, W., Brechling, J., Hultsch, M. Advanced aerodynamic calculations of axial thermal turbomachines 4—45296
Wolf, H.-C. *see* Gurich, G. 4—49888
Wolf, J. *see* Berger, T. 4—53970
Wolf, J. *see* Krasner, M. 4—53528
Wolf, J.J. *see* Siegel, A.I. 4—62306
Wolf, J.K. *see* Panwar, S.S. 4—48259
Wolf, L.de *see* de Wolf, L.
Wolf, M. Which directions for photovoltaics? 4—50087
Wolf, M., Steinbach, W., Angerstein, W. Image quality of an image-intensifier fluorographic system 4—39554
Wolf, M. *see* Wolf, M.A. 4—45650
Wolf, M.A., Wolf, M. *I-V* characteristics and performance of silicon solar cells between low- and high-level injection. I. The modeling method 4—45650
Wolf, M.A. *see* Umbarger, C.J. 4—33899
Wolf, M.A. *see* Waechter, D.A. 4—33898
Wolf, S. Guide to electronic measurements and laboratory practice. Second edition 4—29116
Wolf, T.M., Taylor, G.N., Venkatesan, T., Kraetsch, R.T. The scope and mechanism of new positive tone gas-phase-functionalized plasma-developed resists 4—51961
Wolf, T.M. *see* Taylor, G.N. 4—30496
Wolf, W., Mathews, R., Newkirk, J., Dutton, R. Two-dimensional compaction strategies 4—36768
Wolf, W. *see* May, F. 4—38055
Wolf, W. *see* Rauner, H. 4—56131
Wolf, W.P. *see* Ritter, M. 4—33442
Wolfe, C.M. *see* Yee, C.M.L. 4—46937
Wolfe, G.J. *see* Tom, V.T. 4—53838
Wolfe, J.C. *see* Bensaoula, A. 4—41081
Wolfe, J.E. *see* Livesay, W.R. 4—36374
Wolfe, J.L. *see* Kamel, K. 4—60274
Wolfe, M.D. *see* Abernathy, M.F. 4—59562
Wolfe, P.S. Area minimization under geometric constraints [of packaging] 4—29267
Wolfe, R. *see* Fratello, V.J. 4—30973
Wolfe, S.V. *see* Barnes, S.R. 4—52686
Wolfe, S.V. *see* Dissado, L.A. 4—59058
Wolfelschneider, H., Kist, R. Intensity-independent frequency stabilization of semiconductor lasers using a fiber optic Fabry-Perot resonator 4—52957
Wolfenstetter, K.-D., Hornung, R. Optimal design of an antenna array 4—42967
Wolff, F. The quiet invasion of microcomputers 4—34026
Wolff, I. *see* Tripathi, V.K. 4—41556
Wolff, J.-P. Applications and field acceptance testing of fiber optics cables 4—54779
Wolff, L.R., Danielson, L.R. Mo-Al_2O_3,Cr_2O_3 eutectic thermionic emitter 4—40510
Wolff, L.R., Gubbels, G.H.M., Metselaar, R., Danielson, L.R., Saunders, M., Huffman, F. Development and evaluation of directionally solidified cermet electrodes for thermionic energy converters 4—40496
Wolfgang, E. *see* Fazekas, P. 4—30740
Wolfinger, B. *see* Badach, A. 4—60469
Wolfmann, J. *see* Courtea, B. 4—43178
Wolford, D.J. *see* Scott, B.A. 4—46242
Wolfson, M. Packet radio: radio amateurs set standards. A new communications system of many possibilities 4—60649
Wolfson, R.G. *see* Spitzer, M.B. 4—34934
Wolfson, S.K., Jr. *see* Yao, S.J. 4—49130
Wolfson, S.L. *see* Weldon, C.P. 4—62898
Wolga, G.J. *see* Kitai, A.H. 4—52813
Wolgelenter, L. Photonet 4—48231
Wolisz, A. *see* Izydorczyk, J. 4—48278
Wolitzer, D. *see* Rodrigue, G. 4—46198
Wollenberg, B.F. *see* Darlington, H.T. 4—56459
Wollenweber, K. Telecopiers on the point of breakthrough 4—54160
Woller, R. Semiconductors, infant prodigies of technique 4—51966
Wollesen, D.L., Haskell, J., Yu, J. n-well and p-well performance comparison 4—36854
Wollitzer G. *see* Ambrozy, A. 4—51676
Wollman, H. High speed ADC systems for waveform analysis 4—44482
Wollner, H. Metal detector. Electronic keen nose 4—30052
Wollner, H. Longwave-converter: using a shortwave receiver for hunting in the long waves 4—60648
Wolny, J. *see* Mucha, J.M. 4—47170
Wolodkin, G.D. HS 376: a versatile flight proven spacecraft for domestic satellite communications services of Asian nations 4—60780
Wolowczyk, P., Socher, K. Designing requirements for utilization of industrial robots from the view of labor safety 4—57792
Wolowodiuk, C. *see* D'Asaro, L.A. 4—36624
Wolpert, T. The reliability of auxiliary systems—power and cooling: further insights 4—56535
Wolpert, T. *see* Eriksson, M. 4—56904
Wolrich, G. *see* Simcoe, B. 4—58388
Wolsey, L.A. *see* Padberg, M.W. 4—35376
Wolsk, G.B. A Rhode and Schwarz logic analysis system 4—39032
Wolski, G. Fabrication testing and quality control 4—29770
Wolski, G.B. From instrument to system [multimeters] 4—33350
Wolski, G.B. Mains filter specialist Corcom measures interference suppression in HF proof cabin 4—59775
Wolstenholme, T.M. *see* Bagshaw, N.E. 4—57333
Wolter, J. *see* Horstman, R.E. 4—41879
Wolters, D.R., van der Schoot, J.J., Poorter, T. Damage caused by charge injection 4—30833
Wolters, D.R. *see* Poorter, T. 4—30834
Wolters, D.R. *see* van der Schoot, J.J. 4—30835
Wolverton, W.M. *see* Wright, E.A. 4—58668
Womack, K.H. Interferometric phase measurement using spatial synchronous detection 4—61560
Wonderling, D. Telecom facelift for Alabama med school 4—48321
Wondrak, W. *see* Langfeld, R. 4—30476
Wong, A.K. *see* Nguyen, T.T. 4—32824
Wong, C.-C.D., Bube, R.H. Bulk and surface effects of heat treatment of *p*-type InP crystals 4—46813
Wong, C.F., Fleming, R.A., Wheeler, B. Pre-irradiation treatments for CR-39 detectors 4—39467
Wong, C.K., Roder, F.L., Huang, H.K. A novel pattern recognition algorithm for explosives detection 4—53839
Wong, C.K. *see* Bongiovanni, G. 4—32723
Wong, C.K. *see* Chandra, A.K. 4—47205
Wong, C.K. *see* Coppersmith, D. 4—52201
Wong, C.K. *see* Nicholl, T.M. 4—30667
Wong, C.K. *see* Schlag, M. 4—36767
Wong, C.M., Crawford, R.W., Kunz, J.C., Kehler, T.P. Application of artificial intelligence to triple quadrupole mass spectrometer (TQMS) 4—33767
Wong, C.S., Kremling, K., Riley, J.P., Johnson, W.K., Stukas, V., Berrang, P.G., Erickson, P., Thomas, D., Peterson, H., Imber, B. An intercomparison of sampling devices and analytical techniques using sea water from a cepex enclosure 4—44924
Wong, C.S., Lee, S. Vacuum spark as a reproducible X-ray source 4—61746
Wong, C.S. *see* Stukas, V.J. 4—44925
Wong, D.Y. *see* Hanson, B.A. 4—59980
Wong, F., de Marca, J.R.B. A new measure of fairness for computer networks 4—43806
Wong, F.L. *see* Kubitz, W.J. 4—36902
Wong, G.K. *see* Wong, H.K. 4—52340
Wong, H.C.K. *see* Seevinck, E. 4—51502
Wong, H.K., DiVenere, A., Wong, G.K., Ketterson, J.B. Piezoelectric composition-modulated structures 4—52340
Wong, H.V. *see* Rosenbluth, M.N. 4—47365
Wong, J. Method for fabricating large-area X-ray filters 4—61740
Wong, J.L., King, H.E. UHF satellite array nulls adjacent signals 4—59882
Wong, J.W. *see* Gopal, P.M. 4—32142, 4—48276
Wong, K.-F.V., Dorney, S. A thermo-electric system using concentrated solar energy with photovoltaic cells 4—57370
Wong, K.M. Transient oscillations and noise in the reception of TV signals 4—61008
Wong, K.M. *see* Hahn, K.J. 4—31990
Wong, K.M. *see* Vertatschitsch, E. 4—31751
Wong, K.-N. *see* Goksel, A.K. 4—51367
Wong, K.W. *see* Daigle, J.N. 4—32225
Wong, K.Y. *see* Anagnostopoulos, C.N. 4—30766, 4—36831
Wong, K.Y. *see* Anagnostopulos, C.N. 4—59047
Wong, K.Y. *see* Ni, L.M. 4—43439
Wong, R. *see* Ware, F. 4—51268
Wong, R.C. Hybrid memory cell for two-port RAMS 4—46461
Wong, R.C. Gated data latch in I^2L 4—51145
Wong, R.H. *see* Ward, D.J. 4—62580
Wong, R.T. A dual ascent approach for Steiner tree problems on a directed graph 4—35375
Wong, R.Y., Andres, A.L. Efficient real-time signal processing with digital bandpass filters 4—53602
Wong, S. *see* Tranquilla, J.M. 4—31788
Wong, S.S., Oldham, W.G. A multiwafer plasma system for anodic nitridation and oxidation 4—41992
Wong, S.S., Oldham, W.G., Grinolds, H.R. Anodic Si_3N_4 grown in a new plasma reactor 4—30801
Wong, T. *see* Jenq, C.S. 4—35820
Wong, T.M. *see* Binns, K.J. 4—49862
Wong, W.C. *see* Sundberg, C.-E. 4—43974
Wong, W.G. An introduction to local area networks. I 4—38282
Wong, W.G. A low-cost local network for microcomputers 4—38283
Wong, W.G. An introduction to local area networks. II 4—38284
Wong, W.H. On constrained multivariate splines and their approximations 4—35430
Wong, W.H. *see* Mullani, N.A. 4—33813
Wong, W.-H., Mullani, N.A., Wardworth, G., Hartz, R.K., Bristow, D. Characteristics of small barium fluoride (BaF_2) scintillator for high intrinsic resolution time-of-flight positron emission tomography 4—39530
Wong, Y.H. *see* Chang, G.K. 4—36116
Wong, Y.K. *see* Phang, J.C.H. 4—45654
Wong, Y.K. *see* Walton, J.T. 4—33708
Wong, Y.S. *see* Chen, J.Y.F. 4—58626
Wong Ha Bat *see* Bat Wong Ha
Wong Kin-Hung Some properties of metal vapour lasers 4—31335
Wong Kin-Hung *see* Kin-Hung Wong
Woo, A., Bardai, Z., Leverich, L. Solid state technology applicable to transmitters 4—51548
Woo, B., Lin, L., Ware, F. A high-speed 32 bit IEEE floating-point chip set for digital signal processing 4—60069
Woo, B. *see* Ware, F. 4—51268
Woo, L.S. *see* Barzilai, Z. 4—36827, 4—51139
Woo, L.S. *see* Roth, J.P. 4—29621
Woo, L.W. *see* Roth, J.P. 4—36841
Wood, A.J. *see* Williams, J.A. 4—56590
Wood, C. *see* Emin, D. 4—36300
Wood, C.E.C. III-V alloy growth by molecular-beam epitaxy 4—29500

Wood, C.J. Chemical decontamination: an effective technology for nuclear plants 4—34292
Wood, D. Digital audio—samples of the future [broadcasting developments] 4—32901
Wood, D. *see* Guting, R.H. 4—52194
Wood, D. *see* Hopkins, F.E. 4—39977
Wood, D. *see* Urquhart, R.B. 4—41007
Wood, D.F. Solving inductive problems 4—55665
Wood, D.R. Electrolytic Schottky-gated Hall effect profiling 4—36464
Wood, G. *see* Rogowski, R.S. 4—52877
Wood, J.C. *see* Chan, Y.T. 4—47842
Wood, J.C. *see* Golledge, I.C. 4—55594
Wood, J.C. *see* Tozzi, L. 4—35019
Wood, J.R. 1-of-4 decoder with open collector outputs 4—35899
Wood, K.W. *see* McCanny, J.V. 4—53596
Wood, O.R., II, Macklin, J.J., Silfvast, W.T. Single-ion recombination lasers in CO_2 laser-vaporized target material 4—47402
Wood, R. Cutting contact costs for connectors 4—58596
Wood, R., Moore, E. From fibrevision to the multi-star wideband network 4—44257
Wood, R. *see* Coleman, C. 4—42275
Wood, R.A. *see* Smith, D.L. 4—47323
Wood, R.A. *see* Williams, D.N. 4—49732
Wood, R.F., Young, R.T. Future developments in the laser processing of solar cells 4—50088
Wood, R.J. *see* Baldwin, D.T. 4—40637
Wood, S., Greggi, J., Jr., Farrow, R.F.C., Takei, W.J., Shirland, F.A., Noreika, A.J. Microstructural studies of CdTe and InSb films grown by molecular beam epitaxy 4—50776
Wood, S. *see* Farrow, R.F.C. 4—46223
Wood, S.L. Segmentation of computerized tomography images for three dimensional analysis 4—60248
Wood, S.L., Dev, P., Duncan, J.P., White, D.N., Young, S.W., Kaplan, E.N. A computerized system for planning reconstructive surgery 4—44769
Wood, T.H., Burrus, C.A., Miller, D.A.B., Chemla, D.S., Damen, T.C., Gossard, A.C., Wiegmann, W. High-speed optical modulation with GaAs/GaAlAs quantum wells in a p-i-n diode structure 4—38655
Wood, T.H., Ewell, L.A. Initial mode power distribution in multimode optical fibers: impact on modal noise 4—52618
Wood, T.H. *see* Miller, D.A.B. 4—53055
Woodall, J.M. *see* Hoffmann, H.J. 4—30520
Woodall, J.M. *see* Kirchner, P.D. 4—50775
Woodall, J.M. *see* Pettit, G.D. 4—50766
Woodard, A.P. Vertical modulation angles of commercial stereo phonograph records 4—33063
Woodard, D.P., Jr. Digital crosstalk on twisted pair telephone premise wiring 4—32252
Woodard, J.P., Lea, W.A. New measures of performance for speech recognition systems 4—53512
Woodard, S. *see* Farrant, M. 4—54786
Woodbridge, K., Blood, P., Fletcher, E.D., Hulyer, P.J. Short wavelength (visible) GaAs quantum well lasers grown by molecular beam epitaxy 4—52945
Woodbury, H.H. *see* Cole, H.S. 4—41053
Woodcock, G.R. *see* Silverman, S.W. 4—39658
Woodfield, A.A. *see* Vaughan, J.M. 4—59686
Woodford, D.A. *see* Turanli, H.M. 4—34162, 4—56568
Woodgate, G.K. *see* Foot, C.J. 4—47510
Woodgate, R.W. Zero defect soldering tips for management. II 4—40837
Woodgate, R.W. Zero defect soldering tips for management. III 4—41698
Woodgate, R.W. Zero defect soldering tips for management. IV 4—46695
Woodhead, A.W. Flat cathode ray tubes 4—39249
Woodhead, P. 4-20 mA: the electrical measurements viewpoint—an 'unbiased' opinion 4—55416
Woodhouse, J.D. *see* Tsaur, B.-Y. 4—42031
Wooding, R. *see* Rustay, R.C. 4—32623
Woodman, R.F. *see* Gonzales, C.A. 4—56300
Woodman, R.F. *see* Sulzer, M.P. 4—49470
Woodruff, B. Memory modules build in expansion and save on board real estate 4—29845
Woodruff, R., Schnathorst, V., Hawley, D., Arreola, J. A new latch-up resistant CMOS buffer with a novel TTL input stage 4—58480
Woods, D. Calibration of a precision three-port coaxial junction: a new component for immittance standardisation 4—49001
Woods, J. *see* Collins, G.W. 4—44273
Woods, J.W. Multidimensional digital signal processing 4—38021
Woods, J.W. *see* Dravida, S. 4—53934
Woods, J.W. *see* Hang, H.-M. 4—47757
Woods, R.C. *see* Monks, T.J. 4—52430
Woods, R.R. *see* Racine, W.C. 4—40189
Woods, S.A. *see* Eastham, D.A. 4—33565
Woods, W.L. *see* McCasland, H.L. 4—54475
Woodside, C.M. Optimal allocation of protocol processing between host and a front-end processor 4—48286
Woodside, C.M. *see* Mehmet-Ali, M.K. 4—32127
Woodson, H.H. *see* Spann, M.L. 4—42779
Woodson, H.H. *see* Weldon, W.F. 4—42777
Woodward, B. Digital differential depth meter 4—39719
Woodward, B. Acoustic systems for divers 4—56342
Woodward, B. *see* Hardman, P.A. 4—43692
Woodward, B. *see* Musa, Z. 4—43694
Woodward, C.E. *see* Becker, R.A. 4—60194
Woodward, J.W. *see* Dura, D.R. 4—48518
Woodward, O.M. Broadband balun 4—30141
Woodward, P.B.S. Receive only earth station I 4—48455
Woodworth, A. The BTV60—first in a new generation of GTOs 4—58913
Woodworth, A., Burgum, F. Simple rules for GTO circuit design 4—36566
Woodworth, J.R., Hargis, P.J., Jr., Pitchford, L.C., Hamil, R.A. Laser triggering of a 500-kV gas-filled switch: a parametric study 4—62664
Woodworth, P.H. *see* Rieger, J.L. 4—48060, 4—48779
Woody, J.A. *see* Daher, J.K. 4—37626
Woody, J.A. *see* Shands, T.G. 4—59812
Woody, W.R. *see* Madarasz, F.L. 4—51831
Woolacott, J. The economies of sale: the cost of consumer conversion 4—55036
Woolcock, K. Where Amdahl failed . . . [Sinclair] 4—52272
Wooldridge, D.M. *see* Aird, R.J. 4—62881
Wooley, B.A. *see* Ko, P.K. 4—36885
Woolfenden, J.M. *see* Barber, H.B. 4—33811
Woollam, J.A. *see* Azim Khan, A. 4—46886, 4—51889
Woolley, D. Controlling airport ground traffic. Is radar necessary? 4—33956
Woollons, D.J. *see* Grimsdale, R.L. 4—33925
Woong Lee Choong *see* Choong Woong Lee
Wootton, R.E. Mapping of electrostatic charge using a robot controlled by a computer 4—61236
Wordeman, M.R. *see* Baccarani, G. 4—36592
Worlitzer, M. *see* Gabel, J. 4—32318
Worm, S.B., Pregla, R. Hybrid-mode analysis of arbitrarily shaped planar microwave structures by the method of lines 4—37698
Worm, S.B. *see* Diestel, H. 4—53255
Wormald, D.S. *see* Ramshaw, R.S. 4—34957
Wormser, A.F. *see* Sadowski, R.S. 4—49780
Worn, G. *see* Benthin, D. 4—56411
Worn, H. Sensor guided arc welding with robots 4—57632
Worner, A. *see* Ploger, G. 4—40021
Worstell, W. *see* Aprile-Giboni, E. 4—55812
Worster, A., Rehborn, W. Marketing and videotex—an agency view 4—48166
Worthington, G. The lighting of tunnels 4—45729
Worthington, P. *see* Barnes, S.R. 4—52686
Wortman, J.J. *see* Fair, R.B. 4—36440
Wortmann, J.J. *see* Sadana, D.K. 4—46931
Wortzman, D. Memory address driver noise compensation method 4—41355
Wortzman, D. Two-tier error correcting code for memories 4—46460
Woschni, H.G., Christoph, R., Reinsch, A. Procedure for determining the position of an optically effective design by a CCD line 4—49011
Woskoboinikow, P., Kreischer, K.E., Mulligan, W.J., Temkin, R.J. Bandwidth and frequency pulling of a 140 GHz gyrotron 4—36206
Woskoboinikow, P. *see* Byerly, J.L. 4—41772
Woskoboinikow, P. *see* Machuzak, J.S. 4—42562
Woste, L. *see* Broyer, M. 4—59455
Woudsma, R. *see* Spaanenburg, L. 4—29932
Wouk, V. The second century of electric and hybrid vehicles 4—62763
Wouters, J. *see* Sansen, W. 4—33213
Wouters, P. *see* Davio, M. 4—53436
Woytek, A.J., Lileck, J.T., Barkanic, J.A. Nitrogen trifluoride—a new dry etchant gas 4—36486
Wozney, M. *see* Sadeghi, T. 4—48517
Wozniak, A. *see* Pawlowski, M. 4—41350, 4—58327
Wozniak, J. *see* Bystritsky, V.M. 4—55810
Wozniak, J. *see* Guzinski, A. 4—35942
Wozniak, M. *see* Karkowski, Z. 4—39513
Wozniakowski, H. *see* Traub, J.F. 4—35435
Wozniakowski, H. *see* Wasilkowski, G.W. 4—57996
Wozniczko-Kadela, W. *see* Zalewski, J. 4—42201
Wrathall, R.S. Measure currents reliably. Programmable high power current source/sink with n-channel power MOSFETs connected in parallel 4—33404
Wrathall, R.S., Tam, D., Terry, L., Robb, S.P. Integrated circuits for the control of high power 4—36744
Wray, D. Reflections of a cable provider 4—61063
Wray, G., Krause, U. Higher performance using 32-bit microprocessors 4—35837
Wrede, D.E., Nair, T.K.M., El-Senoussi, M. Current practice for low, medium and high dose rate dosimetry in gynecological intracavitary therapy 4—39634
Wrede, D.E. *see* Nair, R.P. 4—39633
Wren, P.W. *see* Bland, T.J. 4—39664
Wrethag, B. *see* Erixon, S. 4—57773
Wriedt, T. *see* Arndt, F. 4—41551
Wrigge, S. A note on the moment generating function for the reciprocal gamma distribution 4—46180
Wrigge, S. *see* Fransen, A. 4—46179
Wright, B.D. *see* Coleman, H.P. 4—47684, 4—47685
Wright, B.H., Rowland, J.R. Signature analysis for shift register design 4—46441
Wright, C.D., Middleton, B.K. The perpendicular record and replay processes 4—42267
Wright, C.D. *see* Middleton, B.K. 4—42249
Wright, C.G. *see* Carlsson, G.C. 4—53593
Wright, E.A., Wolverton, W.M. The effect of the solder reflow method and joint design on the thermal fatigue life of leadless chip carrier solder joints 4—58668
Wright, H.A. Safety in nuclear power plant operation 4—56750
Wright, I. *see* Hill, A.M. 4—32796
Wright, I.G. *see* Boiarski, A.A. 4—44646
Wright, J.V. *see* Nelson, B.P. 4—59196
Wright, K. *see* Gerrard, C. 4—50704
Wright, L. Hertz drives for the speediest network 4—60335
Wright, M. Protocol converters for 3270 environment improve system functions 4—32371
Wright, M. Spectrum analyzers with GPIB interfaces ease microwave-signal characterization 4—39107
Wright, M. Color monitors 4—44436
Wright, M. Powerful $5^1/_2$-digit DMMs abound, but intended use dictates choice 4—61419
Wright, M.H., Williams, K.J. Chip carrier hybrid microcircuits for a real time computer system 4—36171
Wright, P. *see* Copoloff, S. 4—47946
Wright, P.D. *see* Besomi, P. 4—42625
Wright, P.D. *see* Dutta, N.K. 4—42637
Wright, P.J., Griffiths, R.J.M., Cockayne, B. The use of heterocyclic compounds in the organometallic chemical vapour deposition of epitaxial ZnS ZnSe and ZnO 4—29491
Wright, P.V., Wilkus, S.A. A prototype low-loss filter employing single-phase unidirectional transducers 4—52397
Wright, P.V. *see* Gottschalk, P.G. 4—52437
Wright, P.V. *see* Withers, R.S. 4—37082
Wright, R.E., DeLassus, M.J., Landi, V.R. Material selection for connector body insulation keyed to performance 4—41670
Wright, R.W. Polymer/metal substrates minimize SMD thermal expansion problems 4—51605
Wright, S., Dalgoutte, D.G. Characterisation and fault location for single mode fibres using long wavelength optical time domain reflectometry (OTDR) 4—59201
Wright, S. *see* Bolton, R. 4—55816
Wright, S.L. *see* Kirchner, P.D. 4—50775
Wright, S.L. *see* Pettit, G.D. 4—50766
Wright, W.G. *see* Brown, G.G. 4—35402
Wrighton, M.S. Catalyzed reactions at illuminated semiconductor interfaces 4—46893
Wrighton, M.S. *see* Ricco, A.J. 4—46894
Wrighton, M.S. *see* Simon, R.A. 4—40366
Wrigley, S. Nuclear reactors for district heating 4—34320
Wrobel, M. The characteristics of Wiegand-type sensors 4—55422
Wrobel, T. Pulsation of a DC rate generator voltage, caused by rotor slotting 4—62551
Wrobel, T. Voltage pulsation of a DC generator due to brushes and commutator co-operation 4—62553
Wrobel, Z. Space-charge-limited currents in ferroelectric solids. II. results of experiments and their interpretation 4—30849
Wrobel, Z. Measurement of contact resistance for two different materials 4—46658
Wroblewska, S. Operating experiences with domestic electronic sets of automatic protection systems of an electric power unit 4—49639
Wroblewski, Z. *see* Froncek, F. 4—49984
Wronski, A. *see* Bek, S. 4—51568
Wu, A. *see* Crowley, J.I. 4—33459
Wu, A. *see* Kiersztyn, S.E. 4—50184
Wu, A.Y. Single-conductor cables in parallel 4—49617
Wu, A.Y. The analysis of current transformer transient response and its effect on current relay performance 4—62601
Wu, B., Mavor, J. Distortion in CMOS operational amplifier circuits 4—51001
Wu, B.J. *see* Liu, S.S. 4—51299
Wu, C. Alternative energy conversion demonstration laboratory at US Naval Academy 4—35166
Wu, C.P. *see* Faith, T.J. 4—58877
Wu, C.S. *see* Knapp, J.A. 4—30423
Wu, C.S. *see* Tanguay, A.R., Jr. 4—37177, 4—42424
Wu, C.T., Dhadesugoor, V.R. An adaptive multiple access protocol for integrated voice/data local area networks 4—32453
Wu, C.Y. *see* Cheng, T.C. 4—30826
Wu, C.Y. *see* SooHoo, K.M. 4—31699
Wu, C.Y.R., Chen, J.K. Observation of new tunable ultraviolet radiation by four-wave mixing involving forbidden transitions in sodium vapor 4—53071

Wu, D. *see* Chapman, J.E. 4—32839, 4—59198
Wu, F. A super-linear convergent gradient projection type algorithm for linearly constrained problems 4—40972
Wu, F. *see* Mikhael, W.B. 4—43328
Wu, F.F. *see* Kaye, R.J. 4—56476
Wu, F.F. *see* Moslehi, K. 4—62061
Wu, J., Ma, H., Ren, B. A low-internal-resistance and high-precision high-voltage power supply 4—40343
Wu, J., Yan, S., Yang, S., Deng, X. Electrostatic switch used for 600 kV ion implanter 4—37546
Wu, J.B.C., Silence, W.L., Manning, P.E., Asphahani, A.I. Selection of highly alloyed materials in air pollution control systems 4—29213
Wu, J.C., Humphrey, F.B. Computer simulation of magnetic bubble logic devices 4—31047
Wu, J.L. *see* Fikse, D.A. 4—42797
Wu, J.-M., Jeffreys, D.C. A large distributed data acquisition system 4—39093
Wu, K.J. *see* Yao, S.J. 4—49130
Wu, K.R., Morinaga, N., Namekawa, T. Error rate performance of binary DPSK system with multiple cochannel interference in land mobile radio channels 4—43975
Wu, L.J. *see* Curtis, T.E. 4—60071
Wu, L.J. *see* Wu, Y.S. 4—37929
Wu, L.L. *see* Feinberg, I. 4—29664, 4—51566
Wu, L.L. *see* Krus, C.J. 4—47084
Wu, N.R., Sadana, D.K., Washburn, J. Direct evidence of arsenic clustering in high dose arsenic-implanted silicon 4—36425
Wu, P.T. *see* Aipperspach, A.G. 4—29868
Wu, R., Stark, H. Rotation-invariant pattern recognition using a vector reference 4—32010
Wu, S.-Z. *see* Xie, H.-K. 4—30832, 4—36927
Wu, T.C. *see* Ip, W. 4—58343
Wu, T.-C. *see* Haung, H.-M. 4—51389
Wu, T.-C. *see* Mehrotra, S. 4—51230
Wu, T.S. *see* Chin, T.-S. 4—47171
Wu, T.T. *see* Brown, M.F. 4—42835
Wu, T.T. *see* Shen, H.M. 4—31696, 4—33452
Wu, W.-D. *see* Parlett, B.N. 4—46066
Wu, Y.C.L., Chapman, J.N., Johanson, N.R. Recent results in MHD technology development 4—40485
Wu, Y.S., Constantinides, A.G., Curtis, T.E., Wu, L.J. Architectural approach to alternate low-level primitive structures (ALPS) for acoustic signal processing 4—37929
Wu, Y.S. *see* Curtis, T.E. 4—60071
Wu, Y.Y. *see* Britcher, C. 4—33921
Wu Changzheng *see* Chen Lingbing 4—59462
Wu Changzheng *see* Li Fuming 4—31474
Wu Chengming *see* Liu Chutang 4—54728
Wu Chih *see* Chih Wu
Wu Cunkai, Fan Junyin, Wang Zhiying Twofold degenerate four-wave mixing and image conversion 4—37466
Wu Cunkai, Zhou Feng, Wang Zhiying Multichannel degenerate four-wave mixing 4—59596
Wu Deming *see* Zhang Zhaoyi 4—41753
Wu Donglai *see* Wang Zheen 4—37323
Wu Gensheng *see* Gao Dianhua 4—48057
Wu Hsian-yi The method for increasing the linearity of the load cell 4—57300
Wu Junhong *see* Junhong Wu
Wu Kelin Influence of heterojunction interface energy gap grade width on characteristic temperature T_0 of DH lasers 4—59525
Wu Lei *see* Yu Lisheng 4—58017
Wu Lusheng, Lu Shiping Multi-frequency oscillation in optical parametric oscillators 4—59598
Wu Mien-Win *see* Mien-Win Wu
Wu Ouqi, Wang Shan Note on E-R/data model conversion 4—55292
Wu Qiming, Wang Zeyi, Qin Shu Two-dimensional steady state analysis of MOS devices 4—47023
Wu Rangyuan *see* Zhou Bojun 4—46214
Wu Ronghan *see* Wang Shouwu 4—37390
Wu Shin-Tson *see* Shin-Tson Wu
Wu Shoukang, Xu Shiyu A survey of domsat communication experiments using INTELSAT transponder in China 4—60809
Wu Shoukang *see* Zhang Mingde 4—60807
Wu Shu-yao *see* Shu-yao Wu
Wu Songyin *see* Lin Da 4—62847
Wu Tongyang *see* Cui Zhiguang 4—31447
Wu Tongyang *see* Zhou Fuzheng 4—31446
Wu Weimin, Li Shiming, Sun Jian High frequency interference in the measurement of high voltage nanosecond pulse 4—47631
Wu Xiao-lin *see* Xiao-lin Wu
Wu Xiuwen *see* Ment Xiaofan 4—37057
Wu Xufeng *see* Xu Jingyu 4—31125
Wu Xun-wei, Bi De-xiang The research of ternary flip-flops based upon modular algebra 4—51347
Wu Xunwei, Chen Xiexiong The synthesis of ternary functions under fixed polarities and ternary I^2L circuits 4—29806
Wu Yao-Hwa *see* Yao-Hwa Wu
Wu Yong-shi *see* Carlin, H.J. 4—41575
Wu Yuan-yan, Zhang Jin-lin Numerical study of the physical characteristics in the gyrotron with a varying magnetic field 4—30254
Wu Zhaoqing *see* Deng Ximing 4—31535
Wu Zhehui *see* Zhehui Wu
Wu Zhendong *see* Ma Jimao 4—49092
Wu Zheng-De Theoretical study on the radial line transformer in a rectangular waveguide 4—31726
Wu Zhi-jian, Boehm, R.F. Evaluation of tube enhancement for geothermal power generation heat exchangers 4—62419
Wu Zhi-yuan, Chang Sheng-yi Digital-analog interference calculations of motionless and motional image in FM TV systems 4—44231
Wu Zhimei, Song Huanggang, Sun Simin, Xu Guirong Link-level protocol of RDC network and its implementation 4—54332
Wu Zhiyuan *see* Hao Xiulei 4—61029
Wuest, C. *see* Jones, T.W. 4—55811
Wuetele, M. *see* Scott, B.N. 4—58530
Wugao Chen *see* Chen Wugao
Wuhnsen, P., Enge, W., Beaujean, R. On the accuracy of track diameter measurements in CR-39 4—55894
Wuhrmann, K.E., Pache, J. Upgrading of conventional telephone exchanges for new services. Technical and commercial aspects 4—54567
Wuhua Zhu *see* Zhu Wuhua
Wulich, D. Mean estimation of random process with aid of ON-OFF detectors 4—50644
Wulich, D. *see* Kazovsky, L. 4—37947
Wulich, D. *see* Turgeman, E. 4—37946
Wulker, M. *see* Artemiev, V. 4—61684
Wulst, N., Wolf, F., Vetter, H., Schlossinger, D. Network software for ESSR computers 4—48247
Wummer, J., Gustafson, T.K., Thanyavarin, S. High speed M-B-M and M-I-S-I-M detectors for integrated optics 4—61378
Wun Chengmu *see* Zhao Zhonghong 4—37314
Wunderle, E. The electro-mechanical zone in 30 years of development on the Danube—approved structures and new techniques [hydroelectric power stations] 4—56882
Wunderlich, M.C. Factoring numbers of the Massively Parallel Computer 4—53428
Wunderlich, W. Noise immunity measurement of relatively large size equipment used for wireless transmission 4—38435
Wunderlich, W.O. *see* Giles, J.E. 4—62120
Wunnik, J.N.M.van *see* van Wunnik, J.N.M.
Wunsch, D., Garcia del Castillo, L. Erstellung eines EDV-Programmes zur Berechnung des dynamischen Verhaltens der Asynchronmaschine (Setting up an EDP program for calculation of the dynamic behaviour of asynchronous machines) 4—40261
Wunschmann, W. An arrangement for gas analysis 4—39514
Wupper, A. *see* Hohneker, W. 4—29603, 4—35594
Wurcer, S. *see* Grant, D. 4—46634
Wurdack, S. *see* Zilker, A. 4—46490
Wurll, P. *see* Gunzel, K. 4—44263
Wurm, J.P. *see* Lindl, B. 4—61689
Wurm, M.A. *see* Royer, M. 4—33230
Wurms, C *see* Brady, T.E. 4—35326
Wurmus, H. The application of CCD line cameras in automation and robot technology 4—61041
Wurpel, H., Gottschalk, E., Szyminski, S. Quality securing for low-servicing production processes in utilization of loading robots 4—57858
Wurst, B.G. The significance of automatic testing equipment 4—48699
Wursthorn, J.M. *see* Koburger, C.W. 4—46908
Wurtele, J.S. *see* Orzechowski, T.J. 4—47368
Wurtele, J.S. *see* Paul, A.C. 4—47487
Wuster, H.-O. The JET project and the European fusion research programme 4—34321
Wustmann, G. *see* Feuser, A. 4—33411
Wustrau, R. *see* Adair, W.W. 4—46654
Wutsdorff, P. Measurement and evaluation of torsional vibration in large turbine-generator sets under transient operating conditions 4—56914
Wuytack, L. *see* Cuyt, A. 4—50711
Wyant, F.J. *see* Buckalew, W.H. 4—59082
Wyant, J.C., Koliopoulos, C.L., Bhushan, B., George, O.E. An optical profilometer for surface characterization of magnetic media 4—47180
Wyatt, D.G. *see* Cox, T.J. 4—48868
Wyatt, J. *see* Zucker, O. 4—42821
Wyatt, J.L. A new approach to timing analysis of digital MOS ICs 4—35727
Wyatt, J.L. Operator theory of impedance matching in dynamic nonlinear networks 4—41176
Wyatt, J.L. Nonlinear resistor noise models and thermodynamics 4—41614
Wyatt, J.L., Jr., Papadopoulos, G. Kirchhoff's laws and Tellegen's theorem for networks and continuous media 4—50883
Wyatt, R. *see* Hodgkinson, T.G. 4—32830
Wyatt, R. *see* Smith, D.W. 4—54809
Wybourne, M.N. *see* Lee, K.L. 4—30480
Wyck, B.Van *see* Van Wyck, B.
Wyder, P. *see* Sigg, H. 4—52890
Wyk, J.D.van *see* van Wyk, J.D.
Wykes, C.M. *see* Jones, R. 4—29165
Wyland, A.D. Prototype magnets for AC actuators 4—53190
Wylde, R.J. Millimeter-wave Gaussian beam-mode optics and corrugated feed horns 4—53273
Wyllie, H.A., Lowenthal, G.C. Ultra-thin radioactive sources 4—39400
Wyncoll, J., Kang, K.N., Cristoloveanu, S., Hemment, P.L.F., Arrowsmith, R.P. Temperature dependence of Hall mobility and electrical conductivity in SIMOX films 4—41907
Wyner, A.D. *see* Landau, J. 4—37803
Wynn, A.G. Introduction to stored program control 4—60614
Wynn, A.G. Control: typical practical systems electronic switching systems 4—60615
Wynne, J. *see* Byrne, M. 4—58397
Wypych, W. Phase sychronisation loop transmittance formation 4—41226
Wyrobnik, I. *see* Johnson, D. 4—61790
Wyslocki, J.J. Magnetic anisotropy and rotational hysteresis in MnAlC permanent magnet 4—47199
Wysocki, J.A. *see* Tangonan, G.L. 4—52675
Wyss, J.C. *see* Vasconcellos, E.C.C. 4—59432
Wyszkowski, S. Ship's electrical engineering—the present state and development prospects 4—45716
Wyszogrodzki, Z. *see* Lisowski, J. 4—56638

Xampeny, J., Rosello, F. Control requirements in electrical supply systems. An integrated telecontrol system: a report on the future 4—49500
Xampeny, J. *see* Riera, J. 4—49498
Xhaard, M. A sine/cosine generator for 0.1-10 kHz 4—58198
Xi Huang *see* Huang Xi
Xi Lin *see* Lin Xi
Xi Quanxin *see* Cheng Zhaogu 4—31304
Xi Quanxin *see* Wang Zheen 4—37323
Xi Xie *see* Xie Xi
Xi-Quan Kang *see* Kang Xi-Quan
Xi-Sheng Fan *see* Fan Xi-Sheng
Xi-wu Li *see* Li Xi-wu
Xia, G. *see* Tsou, S. 4—36337
Xia, Z. *see* Walker, G. 4—40126
Xia Jiansheng *see* Cao Liezhao 4—44650
Xia Kangmin *see* Chen Jianwen 4—31296
Xia Qingsheng *see* Li Xishan 4—53096
Xiachun Zhu *see* Zhu Xiachun
Xiamin Shi *see* Shi Xiamin
Xian-Fu Zeng, Chung, D.D.L. In situ X-ray diffraction study of melting in gold contacts to gallium arsenide 4—46870
Xian-wu Tang *see* Tang Xian-wu
Xian-Zhong Cui *see* Cui Xian-Zhong
Xianbi Xiang *see* Xiang Xianbi
Xiande Tang *see* Tang Xiande
Xianfa Yang *see* Yang Xianfa
Xiang Du-cheng *see* Chen Ru-hua 4—56441
Xiang Hua Zhong *see* Hua Zhong Xiang
Xiang Xianbi *see* Zhou Bojun 4—46214
Xiang-xi Wang *see* Wang Xiang-xi
Xiangchun Liu *see* Liu Xiangchun
Xiangdi Wang *see* Wang Xiangdi
Xiangdong Lin *see* Lin Xiangdong
Xiangdong Sun *see* Sun Xiangdong
Xianghai Sun *see* Sun Xianghai
Xiangling Lui *see* Lui Xiangling
Xiangming Wang *see* Wang Xiangming
Xiangshu Zhang *see* Zhang Xiangshu
Xiangshu Zhao *see* Zhao Xiangshu
Xiangyuan Xu *see* Xu Xiangyuan
Xiangzheng Lo *see* Lo Xiangzheng
Xianren Meng *see* Meng Xianren
Xianzhang Zeng *see* Zeng Xianzhang
Xiao, Z., Pan, H., Chen, L. Integrated twin-planar-stripe GaAs-(AlGa)As lasers coupled with a passive waveguide and its mode behavior 4—53003
Xiao Ding-shan Orthogonal field magnetization on microstrip film model circulators 4—46605
Xiao Genlai *see* Wang Gongqing 4—49065
Xiao Guo-Zhen On the criterion of a code which is self-dual 4—43177
Xiao Lianfang *see* Jiang Jingkai 4—31027
Xiao Xu-rui *see* Xu-rui Xiao
Xiao Zongyao *see* Pan Huizhen 4—37164
Xiao Zuo, Zhang Shu-Li, Zou Ji-Ching, Wang Yong-Guang The morphological difference of ionospheric absorption in summer and winter at mid-latitudes and the possible coupling between D-region and lower atmosphere 4—31634
Xiao-fan Meng *see* Meng Xiao-fan
Xiao-Kang Yuan *see* Yuan Xiao-Kang
Xiao-lin Wu *see* Zhang-da Lin 4—58821
Xiao-min Bai *see* Bai Xiao-min
Xiao-Pei Pan *see* Pan Xiao-Pei
Xiao-Shen Li The effects of mode coupling on laser linewidths 4—31271
Xiao-shen Li The quantum theory of a three-mode laser 4—47395
Xiao-ze Zhang *see* Zhang Xiao-ze
Xiao-Zhong Liang *see* Liang Xiao-Zhong
Xiaobing Zhang *see* Zhang Xiaobing
Xiaodong Ding *see* Ding Xiaodong
Xiaofan Meng *see* Meng Xiaofan
Xiaofan Ment *see* Ment Xiaofan

Xiaohong Cai *see* Cai Xiaohong
Xiaojing Wang *see* Wang Xiaojing
Xiaopei Pan *see* Pan Xiaopei
Xiaoping Li *see* Li Xiaoping
Xiaoquan Fan *see* Fan Xiaoquan
Xiaoyang Shi *see* Shi Xiaoyang
Xiaoyi Dong *see* Dong Xiaoyi
Xiaoying Qiu *see* Xu Qingxian 4—39732
Xiaoyong Dai *see* Dai Xiaoyong
Xie, G. *see* Ramshaw, R.S. 4—56969
Xie, H.-K., Chen, S.-T., Wu, S.-Z. Corona suppression by a semiconductor coating in high voltage insulation systems 4—36927
Xie, H.-K., Kao, K.C., Chen, S.-T., Wu, S.-Z. The anomalous effect in the three-electrode system for dielectric loss measurements 4—30832
Xie Jin-xiang, Chen Hu New ordering methods for sparse matrices 4—50614
Xie Jingshan, Sun Xuwen Study of Ti-Pt ohmic contact on p-GaAs and p-InP 4—46864
Xie Kai *see* Kai Xie
Xie Peiliang, Wang Yuzhi, Dong Jingxing, Wang Fengyun, Zhang Xigang Experimental study on electron density of pulsed discharge and UV photoionization 4—47407
Xie Peipei *see* Ma Jimao 4—49092
Xie Ping *see* Xu Yinlin 4—39409
Xie Shuyun *see* Cui Yuanri 4—50822
Xie Xi *see* Liu Lanfen 4—33554
Xie Yixi Angular extension correction of radio stars for earth station G/T measurements 4—54732
Xiexiong Chen *see* Chen Xiexiong
Xigang Zhang *see* Zhang Xigang
Xikun Geng *see* Geng Xikun
Ximing Deng *see* Deng Ximing
Xin, Chen Wuming Jin *see* Jin Xin, Chen Wuming
Xin Zhuang *see* Zhuang Xin
Xing Yi-Zi *see* Yi-Zi Xing
Xing-rong Shi *see* Shi Xing-rong
Xing-Yu Yang *see* Yang Xing-Yu
Xingde Zhang *see* Zhang Xingde
Xinghao Xu *see* Xu Xinghao
Xinghua Zhang *see* Zhang Xinghua
Xingli Tang *see* Tang Xingli
Xingshi Zheng *see* Zheng Xingshi
Xingyuan Hu *see* Hu Xingyuan
Xinhua Li *see* Li Xinhua
Xinlian Liu *see* Liu Xinlian
Xinmei Wang *see* Wang Xinmei
Xinming Chen *see* Chen Xinming
Xinming Zhu *see* Zhu Xinming
Xinneng Wo *see* Wo Xinneng
Xinqiang Chen *see* Chen Xinqiang
Xinqun Huang *see* Huang Xinqun
Xinxin Shan *see* Shan Xinxin
Xinyun Zhu *see* Zhu Xinyun
Xinzhi Ren *see* Ren Xinzhi
Xinzhi Su *see* Su Xinzhi
Xionagin Tau *see* Tau Xionagin
Xiong ChengKun Calculation of amplification factor μ of static induced transistor 4—42058
Xiong Guangcheng, Sun Gan, Liu Fusui The superconductivity enhancement mechanism of Al-Si eutectic alloys 4—47210
Xiong Tongzhou, Shi Huichang, Lu Mingda A method of evading floating voltage inverter switches in SCF 4—58447
Xishan Li *see* Li Xishan
Xiting Li *see* Li Xiting
Xiu-min Shao *see* Shao Xiu-min
Xiufang Li *see* Li Xiufang
Xiuhong Hao *see* Hao Xiuhong
Xiulei Hao *see* Hao Xiulei
Xiuming Jiang *see* Jiang Xiuming
Xiuwen Wu *see* Wu Xiuwen
Xiuying Li *see* Li Xiuying
Xiuyu Song *see* Song Xiuyu
Xiuyun Liu *see* Liu Xiuyun
Xiuyun Tang *see* Tang Xiuyun
Xivry, E.Orban de *see* Orban de Xivry, E.
Xixian Yao *see* Yao Xixian
Xixshu Yen *see* Yen Xixshu
Xizhi, H. The generic method of the multistate fault tree analysis 4—57873
Xizhi Shi *see* Shi Xizhi
Xu, B.-Z. *see* Huang, J.-C. 4—37807
Xu, B.-Z. *see* Li, J.-S. 4—38441
Xu, C. *see* Ren, C. 4—53352
Xu, J.P. The optimum design of acoustooptical devices using the first order beam steering 4—52734
Xu, K.X. Spatial 3-D image projection system of holograms and objects 4—42731
Xu, S.Q. *see* Melendres, C.A. 4—30473
Xu, W.Y. *see* Chamzas, C.C. 4—47834
Xu, Z.Y., Tang, C.L. Picosecond relaxation of hot carriers in highly photoexcited bulk GaAs and GaAs-AlGaAs multiple quantum wells 4—30317
Xu Bingchen *see* Niu Fang 4—39398
Xu Bingde, Yie Ziqing, Liang Guiyun SHG correlation measurement of picosecond pulses from a tunable dye laser 4—47432
Xu Chengcai, Xu Zhizhi, Zhou Bingkun Multimode rate—equation solution of mode selection and tuning properties of semiconductor laser with an external dispersive cavity 4—52971
Xu Chenghuang *see* Sun Rongchuan 4—29440
Xu Dong *see* Dong Xu
Xu Fengzhi, Zeng Peiwei A hybrid Nb-microbridge DC SQUID 4—52491
Xu Fugeng *see* Chon Zhiying 4—44213
Xu Gan *see* Gan Xu
Xu Guirong *see* Wu Zhimei 4—54332
Xu Jiadong, Chen Guorui Microwave characteristics and applications of planar metallic grating systems 4—58504
Xu Jian-min Accurate characteristic impedance of transmission-line with elliptic outer conductor and microstrip inner conductor 4—59822
Xu Jianjian *see* Jin Xin, Chen Wuming 4—39335
Xu Jie, Cheng Yuming, He Guozhen Mode and temporal characteristics of backward stimulated Brillouin scattering 4—59595
Xu Jie, Cheng Yuming, He Guozhen, Zhuang Xin A pulsed HF laser with unstable resonator 4—31306
Xu Jing-fang *see* Wang Ji-shen 4—51976
Xu Jingyu, Li Qu, Wu Xufeng, Wang Jian Research on end fire coupling between single-mode optical fiber and single-mode planar waveguide 4—31125
Xu Jisheng, Bao Zongti VW-83 portable broadband VLF receiver 4—60683
Xu Kong-yi *see* Liu Shenggang 4—36213
Xu Kunming, Yao Xixian An analytic formula for calculating the inductance of a superconducting strip transmission line 4—47225
Xu Kunxian Evaluation of imaging quality of holographic lenses 4—47521
Xu Le *see* Le Xu
Xu Li-zi *see* Chen Ru-hua 4—56441
Xu Lingyu, Du Yiren Implementation of a parallel fast Walsh-Hadamard transform on MAP 4—51260
Xu Mingjuan *see* Zou Zhiyi 4—49061
Xu Qingxian, Zhou Changxing, Xiaoying Qiu An acoustic doppler current-measuring system 4—39732
Xu Shenchu, Liu Shou, Lin Yi Study of polarization holography of silver-chloride emulsion 4—59641
Xu Shiming *see* Fu Yaoxian 4—47209
Xu Shiyu *see* Liu Chutang 4—54728
Xu Shiyu *see* Wu Shoukang 4—60809
Xu Sida *see* Zhu Shengjiang 4—44697
Xu Tai Calculation of the characteristic impedance of zero-thickness air microstrip line with magnetostatic method·4—31727
Xu Wen-yuan *see* Li De-lin 4—41845
Xu Wenjuan *see* Zhuo Dunshui 4—31091
Xu Xiangyuan *see* Zhu Shengjiang 4—44697
Xu Xinghao *see* Cui Yuanri 4—50822
Xu Yinlin, Gu Zhenghai, Xie Ping The properties of the thin window gas flow proportional counter used for detection of soft X-rays (0.1-2 keV) 4—39409
Xu Yong-quan *see* Fang Dun-fu 4—36271
Xu Yong-xing, Ma Ying-jie Calculation of the 3-dimensional magnetic field by use of the modified scalar potential 4—53150
Xu Yougang *see* Li Wenlai 4—59400
Xu Zhen-Jia, Chen Wei-Db In-depth oxygen contamination produced in CW CO_2 laser annealed Si 4—30474
Xu Zhi-qing, Chen Le-jun, Zhang Ying-ping, Zhang Liang-sheng, Gao Wen-xiu Monitoring the concentration of working gas in a μ-counter model by chromatography 4—44691
Xu Zhi-qing *see* Zhang Liang-sheng 4—33746
Xu Zhizhi *see* Xu Chengcai 4—52971
Xu Zuyan, Deng Daoqun, Guo Dongsheng, Li Xiufang, Deng Lu, Cai Miaoquan A flashlamp pumped dye laser system with oscillator and amplifier 4—31340
Xu-rui Xiao, Tien, H.T. An electrochemical method for measurements of hydrogen and oxygen evolved in water photolysis sensitized by ZnTPP and MgTPP 4—33533
Xuan, P., Yizhen, P., Ruijun, X. An electronic meter for hole depth measurement using sonic echo ranging techniques 4—62015
Xuanzheng Gao *see* Gao Xuanzheng
Xuchang Li *see* Li Xuchang
Xue, P., Liu, B. Adaptive equalizer using finite-bit power-of-two quantizer 4—60144
Xue Chungen *see* Chen Wanxing 4—29521
Xue Kuiwu *see* Cheng Ningchiang 4—59183
Xue Lixin *see* Meng Xiaofan 4—52490
Xue Qinxiu *see* Wang Enyue 4—47226, 4—59161
Xue Ronghua, Haifang Qiu Error performance of single pulse PPK system with maximum value type decision model 4—48056
Xue-Feng Yang, Pimentel, G.C. HF multiquantum V→R relaxation rates with N_2 and CO 4—52902
Xue-yu Peng *see* Peng Xue-yu
Xuehua Zhang *see* Zhang Xuehua
Xuejin Hu *see* Hu Xuejin
Xueling Wang *see* Wang Xueling
Xuemin Cheng *see* Cheng Xuemin
Xuequan E *see* E Xuequan
Xuetian Li, Lago, G.V. State variable equations from the 2b signal-flow graph using matrix methods 4—35596
Xuetian Li, Lago, G.V. State variable equations for circuits with all-capacitor loops and all-inductor cutsets from the 2b signal-flow graph 4—35599
Xuetian Li *see* Lago, G.V. 4—35597, 4—41149
Xuewu Zhu *see* Zhu Xuewu
Xufeng Wu *see* Wu Xufeng
Xuliang Zhou *see* Zhou Xuliang
Xun-wei Wu *see* Wu Xun-wei
Xuncheng Huang *see* Huang Xuncheng
Xunsheng Zhu *see* Zhu Xunsheng
Xunwei Wu *see* Wu Xunwei
Xuwen Sun *see* Sun Xuwen
Xydeas, C.S., Kostic, B., Steele, R. Embedding data into pictures by modulo masking 4—32031
Ya-Jing Jiang *see* Jiang Ya-Jing
Yaakobi, B., Kim, H., Soures, J.M., Deckman, H.W., Dunsmuir, J. Submicron X-ray lithography using laser produced plasma as a source 4—46905
Yabe, H., Nishio, K., Mushiake, Y. Reflection characteristics of the twisted component in rectangular waveguides 4—46614
Yabe, S., Nomura, M., Takano, N., Kawanishi, H., Yoshizawa, H., Kato, H., Noda, S. MASTER2: a hierarchical layout system for gate arrays 4—36760
Yablochnikov, B.A. An inductor for magnetic pulse welding large diameter thin walled pipes 4—30136
Yablochnikov, B.A. Magnetic pulse welding with arc heating 4—35074
Yablochnikov, B.A. Apparatus for magnetic pulse welding large diameter thin-walled pipes 4—45781
Yablonovitch, E., Gmitter, T. Ribbon-to-ribbon float zone single crystal growth stabilized by a thin silicon dioxide skin 4—46203
Yablonovitch, E. *see* Tiedje, T. 4—45653
Yablonski, R.E. *see* Lindquist, C.S. 4—35955
Yabu, K. *see* Nakagawara, K. 4—43886
Yabu, T. *see* Taguchi, M. 4—58338
Yabumoto, T., Yokozawa, S., Kubota, Y., Sanpei, A. Laser light modulation by free carrier absorption in ZnS thin film—influence of the film thickness and their temperature 4—59921
Yabuta, M. *see* Tsuda, M. 4—30477
Yabuta, T., Yoshizawa, N., Hoshino, K. Structure designing for submarine optical fiber cable 4—38632
Yabuta, Y. *see* Yoshizawa, N. 4—42395
Yachi, T. $TiSi_2/n^+$ poly-Si gate electrode patterning by plasma etching using $CF_2Cl_2O_2$ 4—46958
Yacko, P. *see* Nemier, S.E. 4—29256
Yacobi, B.G. Electron-beam-induced information storage in hydrogenated amorphous silicon devices 4—30573
Yacobi, B.G., Herrington, C.R., Matson, R.J. Decay of the electron-beam-induced current in hydrogenated amorphous silicon devices 4—51921
Yacobi, B.G., McMahon, T.J., Madan, A. Electron-beam-induced current microcharacterization of fabrication defects in hydrogenated amorphous silicon solar cells 4—57364
Yacobi, B.G. *see* Ellis, F.B., Jr. 4—51751
Yacobi, B.G. *see* McMahon, T.J. 4—58823
Yacobi, Y. *see* Even, S. 4—43204
Yada, K., Yatsuboshi, R., Suzuki, Y., Takahashi, O. RIPS—a computer network for research information 4—32409
Yada, T. *see* Endo, A. 4—42193
Yadagiri, G. Double-contact switches create 128-keyboard from 16-bit encoder IC 4—51483
Yadav, J.S. *see* Biswas, S. 4—55952
Yadav, J.S. *see* Chander, S. 4—55973
Yadav, J.S. *see* Kukreja, L.M. 4—31539
Yadav, R.A., Verma, V.K. Optimization of system parameters of parallel EHV AC-DC transmission system for best dynamic stability 4—45061
Yaeger, G. Protocol performance simulation mode VI 4—38125
Yafarov, R.K., Zuev, I.V. Calculating the main parameters of ultrasonic microwelding 4—44935
Yagang Liu *see* Liu Yagang
Yager, R.R. Probabilities from fuzzy observations 4—40922
Yager, T.A., Nixon, K. A field study of connector reliability 4—58631
Yaghjian, A.D. Approximate formulas for the far field and gain of open-ended rectangular waveguide 4—47645
Yagi, A. *see* Akoh, H. 4—52487
Yagi, A. *see* Kurosawa, I. 4—51189
Yagi, A. *see* Sakai, S. 4—52488
Yagi, H. *see* Okada, C. 4—48758
Yagi, K. *see* Iida, H. 4—61687
Yagi, K. *see* Itoh, K. 4—51249
Yagi, K. *see* Wada, Y. 4—36864

Yagi, T. *see* Arai, Y. 4—53559
Yagishita, H. *see* Ohki, T. 4—55386
Yagita, H. *see* Nagano, K. 4—46414
Yaglo, G.I., Sapelkina, Yu.F. Individual properties of samarium-cobalt alloy powder particles and their interactions 4—47172
Yagup, V.G. Construction and utilization of macromodels of independent thyristor converters 4—62606
Yahagi, K. *see* Nagasawa, K. 4—42340
Yahagi, T., Kato, Y. Restoration of blurred images using two-dimensional digital filters and noise removal filters 4—32050
Yahagi, T., Kato, Y., Shinozaki, M. Restoration of blurred images by an iterative estimation algorithm based on a two-dimensional Wiener filter 4—32051
Yahata, A., Nakajima, M. Effect of metals used for Schottky barrier contacts on DLTS signals for LEC n-GaAs crystals 4—46859
Yahata, H. *see* Kawasaki, T. 4—32296
Yahya, A.A. *see* Juma, S.M. 4—30288
Yair, A. *see* Alexandrovitz, A. 4—40311, 4—40339
Yajda, I. Estimation and coding of information sources 4—53405
Yajima, H., Mukai, S., Suzuki, Y. Guided-wave control technology 4—59190
Yajima, H., Sudo, E., Yumoto, J., Kashiwa, K. Optical-optical guided-wave modulator 4—52548
Yajima, H. *see* Mukai, S. 4—35474, 4—52570
Yajima, H. *see* Yumoto, J. 4—47295
Yajima, K. *see* Tanaka, H. 4—39566
Yajima, M., Hashiguchi, S. Detection of the variance fluctuation in Johnson noise—requirements for the measuring system 4—55659
Yajima, M. *see* Tanaka, J. 4—44341
Yajima, R. *see* Asano, S. 4—32280
Yajima, S. *see* Takagi, N. 4—51164
Yakimets, I.V., Savel'ev, A.Ya., Blinkov, E.L. Optimal power distribution in superconducting cable systems 4—62204
Yakimov, A.M. *see* Orlov, V.B. 4—41241
Yakimov, A.V. *see* Dubkov, A.A. 4—57914
Yakimov, A.V. *see* Orlov, V.B. 4—41242
Yakimovich, A.P. Method of constructing a parallel digital optical adder 4—31207
Yakimovich, A.P. Diffraction efficiency of three-dimensional phase microholograms 4—47527
Yakin, M.Z. On a space extension algorithm for nondifferentiable optimization 4—40975
Yakobs, A.I., Shamatava, V.D. Effectiveness appraisal of protective tripout apparatus 4—45172
Yakobs, A.I., Shamatava, V.D. Evaluating the effectiveness of protective disconnection apparatus [circuit breakers] 4—45549
Yakobs, A.I. *see* Lipant'eva, N.N. 4—40806
Yakobson, M.M. *see* Klevtsov, S.V. 4—61317
Yakovchuk, N.S. *see* Grekhov, I.V. 4—36569
Yakovenko, A.A. *see* Andreev, V.M. 4—31238
Yakovenko, A.A. *see* Averkieva, G.K. 4—30397
Yakovenko, N.A. *see* Dorosh, V.S. 4—37140
Yakovenko, N.A. *see* Ivanov, V.N. 4—52601
Yakovenko, N.I. *see* Sannikov, D.I. 4—40253
Yakovenko, N.S. *see* Ivanov, V.A. 4—43444
Yakovenko, V.A., Kalinichenko, S.P., Shoful, A.K. Synthesising pulse-former fourpoles for LC energy stores 4—46395
Yakovenko, V.A., Kalinichenko, S.P., Shoful, A.K. Improving the commutation stability of DC machines under dynamic conditions 4—50241
Yakovenko, V.V. The parameters of a simplified equivalent circuit of a network with inductance and a core under pulse conditions 4—46314
Yakovkin, I.B. *see* Kozlov, A.S. 4—30923, 4—42216
Yakovkin, I.B. *see* Vokhmin, V.P. 4—41240
Yakovlenko, S.I. *see* Boiko, V.A. 4—37259, 4—52918
Yakovlev, A.I. *see* Golikov, O.B. 4—53651
Yakovlev, B.V. *see* Knot'ko, P.N. 4—40064
Yakovlev, B.V. *see* Voronkov, M.E. 4—34295
Yakovlev, E.N., Letokhov, V.S., Armand, N.A., Begoulev, V.B., Bekov, G.I., Vinogradov, B.V., Timofeev, Yu.A., Fateeva, N.S. Fiber-optics imaging of the interior of Bridgman-anvil pressure chambers 4—55743
Yakovlev, M.F. *see* Molchanov, I.N. 4—57978
Yakovlev, S.P. *see* Svidchenko, A.I. 4—45758
Yakovlev, V.A. *see* Kostin, V.A. 4—55488
Yakovlev, V.E. *see* Brozdnichenko, A.N. 4—51697
Yakovlev, V.G. Selection of thresholds for failure algorithm of segmentation of experimental curves 4—40915
Yakovlev, V.V. *see* Volkonskii, V.B. 4—61539
Yakovlev, Yu.P. *see* Baranov, A.N. 4—46227
Yakovlev, Yu.P. *see* Bessolov, V.N. 4—42462
Yakubaitis, E.A. Multichannel computer networks with information selection 4—48178
Yakubaitis, E.A., Baumgart, V.F., Baums, A.K., Kaltygin, M.I., Kikuts, Ya.A., Pirogov, V.V., Podvysotskii, Yu.S., Red'ko, V.A., Trainin, S.B., Treis, P.P., Finkel'shtein, E.Ya. Local computer network architecture 4—43726
Yakubovich, S.D. *see* Goldobin, I.S. 4—59547
Yakushev, A.F. *see* Bratman, V.L. 4—36186
Yakushev, A.I. *see* Mogil'naya, T.Yu. 4—37403
Yakushev, A.K. *see* Gordeev, V.N. 4—51067
Yakushev, O.F. *see* Kaslin, V.M. 4—59446
Yakushev, Yu.N. *see* Alipov, N.V. 4—50903
Yakushevich, G.N. *see* Grashchenkov, N.F. 4—51000
Yakushi, T. *see* Imai, M. 4—56887
Yalamanchili, S., Aggarwal, J.K. A model for parallel image processing 4—53863
Yamabuchi, T. *see* Sakai, S. 4—38947
Yamada, A. *see* Gotoh, T. 4—48668
Yamada, C. *see* Yoshii, Y. 4—51337
Yamada, E., Tsuji, M., Izumi, K., Morisaki, N., Oyama, J. The linear sampled-data model of an induction motor driven by voltage source inverter 4—56994
Yamada, E., Tsuji, M., Izumi, K., Murata, T., Oyama, J. The linear sampled-data model of chopper-fed DC series motor 4—57051
Yamada, E. *see* Mineo, T. 4—57149
Yamada, E. *see* Tsuji, M. 4—56995
Yamada, H. A fast Fourier transform of periodogram with a single peak 4—50729
Yamada, H., Ebihara, D., Kawanishi, T., Wakiwaka, H. Linear Electromagnetic actuators and controls 4—62676
Yamada, H., Fujibayashi, K., Ito, K., Nakano, M., Kanai, H. Calculation of loss in solid salient pole machine 4—56962
Yamada, H., Ichimiya, Y., Ishida, A. Josephson dual rail two-bit adder circuit utilizing magnetically coupled OR-AND gates 4—35748
Yamada, H., Ichimiya, Y., Ishida, A. Carry time of magnetically coupled Josephson adder circuits 4—46540
Yamada, H., Ito, H., Inaba, H. Microprocessing of GaAs cylindrical columns for integrated optical device fabrication by Cl_2-Ar reactive ion etching 4—47293
Yamada, H., Masuda, W. The effects of boundary layers on the gain of a 16-μm CO_2 gasdynamic laser 4—47405
Yamada, H., Nagashima, H., Sakashita, Y., Mikami, W., Okamura, M., Tanimoto, S. Rotational core loss of induction motor by finite element method 4—40248
Yamada, H., Okumura, T. LSI for music synthesizers 4—48651
Yamada, H. *see* Hasegawa, K. 4—29816
Yamada, H. *see* Ito, H. 4—47456
Yamada, H. *see* Kodama, J. 4—52716
Yamada, H. *see* Tomikawa, Y. 4—56354
Yamada, J., Mano, T., Inoue, J., Nakajima, S., Natsuda, T. A submicron VLSI memory with a 4-b-at-a-time built-in ECC circuit 4—58340
Yamada, J., Ohta, N., Hagimoto, K. Very-high-speed intraoffice optical link experiments for 0.4-and 1.6-Gbit/sec trunk lines 4—54792
Yamada, J., Toyama, T. Composite SAW IF filter separating the sound and picture signals 4—51401
Yamada, K., Daikoku, K., Usui, H. Performance of portable radio telephone using spread spectrum 4—53335
Yamada, K., Maruyama, T., Tanaka, H., Kaneko, H., Kagaya, I., Ito, S. A thin film head for high density magnetic recording using CoZr amorphous films 4—31012
Yamada, K., Nishihara, M., Shimada, S., Tanabe, M., Shimazoe, M. Temperature dependence of the piezoresistance effects of p-type silicon diffused layers 4—52177
Yamada, K., Sugeno, K., Kimura, K. Connection tests of International Telephone Data Service 4—32528
Yamada, K. *see* Furuya, G. 4—32526
Yamada, K. *see* Kato, H. 4—58293
Yamada, K. *see* Kuwahara, H. 4—57272
Yamada, K. *see* Moriya, T. 4—30805, 4—42016
Yamada, K. *see* Nagao, A. 4—43853
Yamada, K. *see* Sekizawa, H. 4—59653
Yamada, K. *see* Takasago, H. 4—58655
Yamada, K. *see* Yamaguchi, H. 4—43465
Yamada, M., Daikuhara, S., Kobayashi, H. GTO inverter for uninterruptable power system 4—57184
Yamada, M. *see* Mashiko, K. 4—58337
Yamada, M. *see* Murata, A. 4—39890
Yamada, M. *see* Ota, H. 4—62299
Yamada, M. *see* Saburi, M. 4—56128
Yamada, M. *see* Yamazaki, K. 4—51746, 4—51884
Yamada, N. *see* Motoda, H. 4—62304
Yamada, N. *see* Takenaga, M. 4—52527
Yamada, N. *see* Watanabe, N. 4—40327
Yamada, O. Error-correcting code for Japanese teletext using coded transmission 4—48085
Yamada, R. *see* Hayashide, Y. 4—33681
Yamada, R. *see* Minemura, H. 4—31083
Yamada, S., Tamai, S., Bessho, K., Nafalski, A. Transient performance and phase sequence of the ferroresonant type DC to three-phase AC converter 4—45527
Yamada, S. *see* Bessho, K. 4—42827, 4—57191
Yamada, S. *see* Enamito, S. 4—62408
Yamada, S. *see* Fjiwara, Y. 4—30907
Yamada, S. *see* Fukunaga, K. 4—40950
Yamada, S. *see* Uchimura, K. 4—54989
Yamada, S. *see* Yamamoto, T. 4—59145
Yamada, S. *see* Yano, T. 4—52302
Yamada, T., Harashima, H., Miyakawa, H. A new maximum likelihood decoding of high rate convolutional codes using a trellis 4—47740
Yamada, T., Miki, S. Switching control multiprocessor for Information Network System 4—32616
Yamada, T., Watanabe, K., Sasaoka, M. Gateway switching system for communications processing service 4—54527
Yamada, T. *see* Kuroki, Y. 4—50979
Yamada, T. *see* Nakamura, K. 4—52445
Yamada, T. *see* Nakatani, N. 4—47532
Yamada, Y., Kawachi, M., Yasu, M., Kobayashi, M. Optical-fibre coupling to high-silica channel waveguides with fibre-guiding grooves 4—31166
Yamada, Y., Kawachi, M., Yasu, M., Kobayachi, M. Fabrication of a high silica glass waveguide optical accessor 4—48473
Yamada, Y., Nakajima, N., Huruno, T., Abe, K. Characteristics of a 4, 5 and 6 GHz bands oversize circular bending waveguide 4—59829
Yamada, Y., Yasunami, M. Introduction of newest Hitachi choppers 4—50165
Yamada, Y. *see* Hori, Y. 4—44620
Yamada, Y. *see* Takahashi, Y. 4—56311
Yamada, Y. *see* Tazaki, S. 4—44289
Yamafuji, K., Sumiyoshi, F., Akenaga, Y., Iwakuma, M., Onodera, R., Mori, N. A practical in situ wire: a composite wire with many in situ processed Nb_3Sn cores of an internal diffusion type 4—31056
Yamafuji, K. *see* Kawashima, T. 4—42284
Yamaga, M., Miyazaki, Y. RF sputtering crystal growth and spectroscopy of Nd doped $Y_3Ga_5O_{12}$ thin film waveguide on $Y_3Al_5O_{12}$ substrate for optical amplifier 4—31102
Yamaga, S. *see* Yoshikawa, A. 4—29517, 4—50807, 4—50809
Yamagami, I. Card-coin telephone 4—32512
Yamagata, A., Ohara, M., Iwata, A. A high speed analog to digital and digital to analog converter LSI 4—41407
Yamagata, S. Display system with 4-channel free-hand drawing input tablets by time sharing system of microcomputer 4—44444
Yamagishi, K., Fujimura, S., Toyota, H., Inamura, M. Nonparametric classification method for multispectral images based on 'smooth' test 4—43463
Yamagishi, K., Mada, J., Yamaguchi, K. A method of approximating bubble domain runout diameter and bias magnetic field 4—59157
Yamagishi, S., Takahashi, Y., Shiba, K. An accurate method for determining the small volumes of granular solids by mercury pycnometry 4—33540
Yamagiwa, T. *see* Minemura, H. 4—31083
Yamaguchi, A. *see* Komiya, S. 4—31224
Yamaguchi, A. *see* Ueda, O. 4—37359
Yamaguchi, B. *see* Fujiyoshi, T. 4—32527
Yamaguchi, C. *see* Hoefert, M. 4—33896
Yamaguchi, E., Minakata, M. Study of boron nitride gate insulators onto InP grown by low-temperature chemical vapor deposition 4—41087
Yamaguchi, E., Minakata, M. Characterization of a new gate insulator BN on InP grown by low-temperature CVD 4—51914
Yamaguchi, H. Optimum quantization of Laplace density signal and its characteristics 4—43366
Yamaguchi, H., Yasuoka, T., Yamada, K. Frame-rate conversion of moving image signals—temporal processing characteristics 4—43465
Yamaguchi, H. *see* Aoki, T. 4—55593
Yamaguchi, H. *see* Tanaka, Y. 4—32400
Yamaguchi, I. *see* Shinoda, S. 4—41150
Yamaguchi, K. Mathematical modeling of semiconductor-on-insulator (SOI) device operation 4—47036
Yamaguchi, K., Hagiwara, T. Exact modeling of semiconductor-on-insulator (SOI) devices 4—36527
Yamaguchi, K., Maki, N., Numata, S., Ogata, H., Sanematsu, T. Superconducting rotor development for a 50 MVA generator 4—56968
Yamaguchi, K. *see* Hino, Y. 4—54603
Yamaguchi, K. *see* Horiuchi, M. 4—46455
Yamaguchi, K. *see* Nihei, F. 4—44093
Yamaguchi, K. *see* Yamagishi, K. 4—59157
Yamaguchi, M., Ando, K., Uemura, C. Carrier concentration effects on radiation damage in InP 4—41838
Yamaguchi, M., Hamajima, T. Development of a large superconducting magnet 4—42313
Yamaguchi, M., Hashimoto, K.Y., Tanno, M., Kogo, H. Effects of diffraction on frequency response of bulk-acoustic-wave-beam filters 4—30920
Yamaguchi, M., Hashimoto, K.Y., Uzawa, K., Kogo, H. $LiNbO_3$ BAW beam filter immersed in resin 4—52435
Yamaguchi, M., Murakami, K., Kikuchi, T. High frequency characteristics of amorphous tape wound cores used for controlling a switched-mode power supply 4—52468
Yamaguchi, M., Uemura, C., Yamamoto, A. Radiation damage in InP single crystals and solar cells 4—34884

Yamaguchi, M., Uemura, C., Yamamoto, A., Shibukawa, A. Electron irradiation damage in radiation-resistant InP solar cells 4−34875
Yamaguchi, M., Yamamoto, K., Kumagai, Y., Fujiwara, S. GaAlAs light-emitting diodes for optical fiber systems 4−31256
Yamaguchi, M. *see* Ando, K. 4−46814
Yamaguchi, M. *see* Hirose, K. 4−60009
Yamaguchi, M. *see* Kitamura, M. 4−47460, 4−52993
Yamaguchi, M. *see* Mito, I. 4−31376
Yamaguchi, M. *see* Nakajima, S. 4−52061
Yamaguchi, M. *see* Tanaka, K. 4−52700
Yamaguchi, M. *see* Yamamoto, K. 4−31236
Yamaguchi, S. *see* Hosono, T. 4−47285
Yamaguchi, S. *see* Kobayashi, F. 4−33824
Yamaguchi, S. *see* Kumamoto, K. 4−42527
Yamaguchi, S. *see* Nakamura, S. 4−39878
Yamaguchi, T., Arakawa, N. Effects of finite kernel word length in signal processing 4−60089
Yamaguchi, T., Morimoto, S., Kawamoto, G. Process and device performance of 1-μm-channel N-well CMOS using deep-trench isolation technology 4−30783
Yamaguchi, T., Morimoto, S., Kawamoto, G.H., De Lacy, J.C. Process and device performance of 1 μm-channel n-well CMOS technology 4−30764
Yamaguchi, T., Morimoto, S., Kawamoto, G.H., DeLacy, J.C. Process and device performance of 1 μm channel n-well CMOS technology 4−36829
Yamaguchi, T., Morimoto, S., Kawamoto, G.H., Park, H.K., Eiden, G.C. High-speed latchup-free 0.5-μm-channel CMOS using self-aligned $TiSi_2$ and deep-trench isolation technologies 4−36877
Yamaguchi, T. *see* Hiranaka, K. 4−52297
Yamaguchi, T. *see* Kitamura, A. 4−32573
Yamaguchi, T. *see* Maerin, L. 4−44379
Yamaguchi, T. *see* Park, H.K. 4−46970
Yamaguchi, T. *see* Saito, N. 4−50821, 4−52771
Yamaguchi, Y., Abe, T., Sekiguchi, T. On the approximate equation for the attenuation constant in tunnels with arbitrary cross-section 4−42870
Yamaguchi, Y., Kawamoto, H., Tanimura, N. 256 kbit pseudostatic RAM 4−58321
Yamaguchi, Y. *see* Kawamoto, H. 4−51246
Yamaguchi, Y. *see* Miura, A. 4−38623
Yamaguchi, Y. *see* Ohashi, H. 4−36573
Yamaguchi, Y. *see* Sakai, K. 4−52509
Yamaji, K. Lateral photo effect and P (position)−F (frequency) converter 4−62697
Yamaji, K. *see* Kitamura, T. 4−31214
Yamaka, E. Pyroelectric IR sensor using vinylidene fluoride-trifluoroethylene copolymer film 4−55481
Yamakawa, H. *see* Maruyama, Y. 4−60536
Yamakawa, S. *see* Inagaki, N. 4−52670
Yamakawa, S. *see* Yamamoto, F. 4−42360
Yamakawa, T., Ueno, F. A variable-gain amplifier employing first-quadrant multiplier/dividers 4−41224
Yamakawa, T. *see* Shirai, Y. 4−58268
Yamaki, J., Tobishima, S., Sakurai, Y., Kakuchi, M. Rechargeable lithium batteries with copper vanadate positives and mixed organic electrolytes 4−57331
Yamaki, N. *see* Taniguchi, K. 4−61738
Yamaki, S. *see* Yamazaki, H. 4−44522
Yamakita, J. *see* Rokushima, K. 4−37161
Yamakoshi, S. *see* Fujii, T. 4−52965
Yamakoshi, S. *see* Wada, O. 4−31178, 4−31384
Yamakoshi, Y., Sato, T. Linear restoration of projections obtained by an extended incoherent source 4−47893
Yamakoshi, Y. *see* Sato, T. 4−61244
Yamakura, K. *see* Itoh, Z. 4−32732
Yamamato, R.M. *see* Orzechowski, T.J. 4−47368
Yamamizu, S. Various acoustic bonding materials used for bonding piezoelectric transducers to the acoustic medium 4−34005
Yamamoto, A. *see* Kugawa, Y. 4−62894
Yamamoto, A. *see* Tanaka, S. 4−52773
Yamamoto, A. *see* Yamaguchi, M. 4−34875, 4−34884
Yamamoto, A. *see* Yasumi, S. 4−33728, 4−33784
Yamamoto, F., Mizutani, T., Yokota, T., Saito, M., Kanabayshi, A., Nakahata, Y., Sawaoka, A. Halogen cycle operation test under microgravity conditions using sounding rocket 4−35028
Yamamoto, F., Shuto, Y., Itoh, H., Yamakawa, S. High-modulus low-linear-expansion-coefficient loose-jacket optical fibers 4−42360
Yamamoto, H. Minimum achievable distortion for another distortion measure by installing a suitable decoder in an existing communication system 4−37865
Yamamoto, H., Baji, T., Matsumaru, H., Tanaka, Y., Seki, K., Tanaka, T., Sasano, A., Tsukada, T. High speed contact type linear sensor array using a-Si pin diodes 4−44450
Yamamoto, H., Ishiwara, H., Furukawa, S., Tamura, M., Tokuyama, T. Growth conditions of evaporated amorphous Si films onto SiO_2 patterns by lateral solid phase epitaxy 4−50792
Yamamoto, H., Nagakura, M. Magnetic properties of Pr-Fe-Co and Sm-Fe-Co system alloy sheets produced by a rapid quenching technique 4−59137
Yamamoto, H., Noguchi, M., Tanaka, M. Electrochromism of Er-diphthalocyanine complex films in all solid display cells 4−37170
Yamamoto, H., Ohmura, M., Kojima, N. Designing symmetrical star quad cable for digital signal transmission 4−38421
Yamamoto, H. *see* Arimoto, S. 4−44518
Yamamoto, H. *see* Hatori, Y. 4−44304
Yamamoto, H. *see* Ito, A. 4−33439
Yamamoto, H. *see* Kikuchi, M. 4−30812
Yamamoto, H. *see* Mase, K. 4−38198
Yamamoto, H. *see* Murakami, H. 4−37845
Yamamoto, H. *see* Nanjo, J. 4−58867
Yamamoto, H. *see* Ninomiya, K. 4−44843
Yamamoto, H. *see* Nunokawa, M. 4−38612
Yamamoto, H. *see* Ohmura, M. 4−38423
Yamamoto, H. *see* Oikawa, H. 4−48491
Yamamoto, H. *see* Sagawa, M. 4−30953
Yamamoto, H. *see* Seki, K. 4−30561
Yamamoto, I., Tomiyama, T., Miyai, H., Wada, T., Yamashita, Y. Screening out obstructive radiation from thermoluminescence sheets ($BaSO_4$:Eu) exposed to cosmic rays 4−61695
Yamamoto, I. *see* Yokokawa, T. 4−48791
Yamamoto, K. Improving efficiency in series resonant constant current converter 4−57195
Yamamoto, K. INS and home area information network 4−60339
Yamamoto, K., Fuji, S., Matsuoka, K. An asynchronous FSK modem 4−54496
Yamamoto, K., Maeda, S., Fujihisa, H. The application of electronics to no-fuse breakers for enhanced protective coordination 4−34796
Yamamoto, K., Yamaguchi, M., Fujiwara, S. Pin photodiodes for optical fiber communication 4−31236
Yamamoto, K. *see* Imai, N. 4−51541
Yamamoto, K. *see* Ishibori, K. 4−38530
Yamamoto, K. *see* Katayama, S. 4−41595
Yamamoto, K. *see* Kohno, M. 4−61299
Yamamoto, K. *see* Miyahara, A. 4−34324
Yamamoto, K. *see* Nagai, T. 4−51554
Yamamoto, K. *see* Yamaguchi, M. 4−31256
Yamamoto, K. *see* Yamazaki, K. 4−51746, 4−51884
Yamamoto, M., Mori, S. Variable characteristic SC circuits controlled by 3-phase clock 4−58453
Yamamoto, M. *see* Hino, Y. 4−54603
Yamamoto, M. *see* Ishida, A. 4−29879
Yamamoto, M. *see* Miyahara, K. 4−47216
Yamamoto, M. *see* Murayama, H. 4−39472
Yamamoto, M. *see* Oku, H. 4−29903
Yamamoto, M. *see* Okumura, K. 4−58344
Yamamoto, M. *see* Tokumasu, T. 4−56929
Yamamoto, M. *see* Yamauchi, Y. 4−29878
Yamamoto, N. Regularization of solutions of nonlinear equations with singular Jacobian matrices 4−41010
Yamamoto, N., Iwata, S., Kobayashi, N., Terada, T. Tungsten gate electrode and interconnect for MOS VLSIs 4−42175
Yamamoto, N. *see* Hasegawa, F. 4−58861
Yamamoto, N. *see* Kobayashi, N. 4−30804
Yamamoto, N. *see* Kume, H. 4−42139
Yamamoto, N. *see* Wada, Y. 4−36864
Yamamoto, O. *see* Kouno, T. 4−34211
Yamamoto, O. *see* Matsui, S. 4−53011
Yamamoto, R. *see* Katano, F. 4−35813
Yamamoto, S. Remote sensing systems (Landsat ground stations) 4−56260
Yamamoto, S., Nishikawa, K. An automated system for measuring electromagnetic-field strength with a magnetic-field probe 4−48983
Yamamoto, S., Nishikawa, K. An automated electromagnetic-field strength measurement system with a magnetic-field probe 4−61212
Yamamoto, S., Ozeki, O. Conducted noise measurements of automotive electrical and electronic devices using artificial network 4−44608
Yamamoto, S., Seki, N., Sakaguchi, H. Stability of two modes in DFB laser diode under high data rate modulation 4−31375
Yamamoto, S., Taguchi, S., Aida, T., Kawase, S. Some fundamental properties of Ir coated impregnated cathodes 4−36177
Yamamoto, S. *see* Hirachi, Y. 4−36596
Yamamoto, S. *see* Matsui, S. 4−53011
Yamamoto, S. *see* Nakayama, N. 4−42092
Yamamoto, S. *see* Okamura, Y. 4−37088, 4−47291, 4−52702, 4−52717
Yamamoto, S. *see* Taguchi, S. 4−46756
Yamamoto, T., Akiyama, R. A data encryption device incorporating fast PKDS 4−31890
Yamamoto, T., Funai, K., Shimegi, H., Yamada, S., Yudaska, K. A head positioner for large-capacity fixed-disk drives 4−59145
Yamamoto, T., Kikkawa, S., Koizumi, M. Effect of nonstoichiometry and solvent on discharge property of Li/TiS_2 battery 4−57321
Yamamoto, T., Masuko, Y., Yamane, H. An experimental system of FM data-broadcasting 4−44205
Yamamoto, T. *see* Inagaki, H. 4−32290
Yamamoto, T. *see* Ito, Y. 4−55227
Yamamoto, T. *see* Nagata, M. 4−57608
Yamamoto, T. *see* Rinard, G. 4−53181
Yamamoto, T. *see* Siuci, A. 4−51453
Yamamoto, T. *see* Watanabe, K. 4−43685
Yamamoto, Y., Fujita, S. Error correctable many-valued majority elements 4−29808
Yamamoto, Y., Fujita, S. Generation of fault detection tests in ternary combinational logic circuits 4−41329
Yamamoto, Y., Fujita, S. Synchronous mod N counters of logical type based on many-valued logic 4−51165
Yamamoto, Y., Kobayashi, S., Kimura, T. Direct frequency modulation and FM noise in semiconductor lasers 4−37428
Yamamoto, Y., Murakami, H. Minimum transmission loss plan for digital telephone network 4−38193
Yamamoto, Y., Sawakuri, T. Error performance objectives for digital networks 4−38164
Yamamoto, Y. *see* Haus, H.A. 4−31276
Yamamoto, Y. *see* Mayanaga, H. 4−51208
Yamamoto, Y. *see* Mukai, T. 4−37131
Yamamoto, Y. *see* Oikawa, H. 4−48491
Yamamoto, Y. *see* Saito, S. 4−38630, 4−60841
Yamamoto, Y. *see* Shimada, R. 4−31875
Yamamura, H., Eguchi, N. Wind generator system for microwave radio relay station 4−56903
Yamamura, K., Oishi, S., Horiuchi, K. Algorithms for solving systems of nonlinear equations by Kevorkian's decomposition method and their quadratic convergence property 4−57975
Yamamura, S., Hua Zhong Xiang, Nakagawa, S., Kawamura, A. Analysis of transient phenomena and field acceleration control of induction motors as AC servomotor of quick response 4−57007
Yamamura, S. *see* Kasami, T. 4−48554
Yamamura, T., Shirai, T., Itoh, K. Fundamental study of TV signal frequency division multiplex analog transmission using multi-mode optical fiber 4−48480
Yamamura, T. *see* Gotoh, K. 4−54502
Yamamura, T. *see* Saito, Y. 4−30138
Yamana, T. Studies on the electrochemical measurement of crevice corrosion of metals. I. Estimation of the crevice corrosion rate of carbon steels by the measurement of polarization resistance 4−46257
Yamanaev, M.S. *see* Molodykh, V.A. 4−41128
Yamanaka, C. *see* Miyamoto, S. 4−34788
Yamanaka, C. *see* Toide, E. 4−52940
Yamanaka, H. *see* Sawa, K. 4−31253
Yamanaka, K. *see* Naritsuka, S. 4−30322
Yamanaka, M. Nonlinear infrared generation 4−31481
Yamanaka, M. *see* Hayashi, Y. 4−35505
Yamanaka, M. *see* Sakata, I. 4−58752
Yamanaka, S. *see* Matsuoka, M. 4−29537, 4−41095
Yamanaka, T. *see* Ozawa, T. 4−51237
Yamanaka, Y., Hayakawa, M. Measurements of wave normal directions of magnetospheric VLF emissions observed on board satellites 4−59739
Yamanaka, Y. *see* Hayashi, S. 4−62322
Yamanaka, Y. *see* Kawana, T. 4−44577
Yamane, H., Hattori, M., Koga, H. Induced over-voltage reduction method for telecommunication lines taking into account 3-electrode arrester discharge characteristics 4−41638
Yamane, H. *see* Hattori, M. 4−60628
Yamane, H. *see* Ohtsuki, F. 4−60629
Yamane, H. *see* Yamamoto, T. 4−44205
Yamane, I. *see* Fujimoto, F. 4−58043
Yamane, T. *see* Hirai, H. 4−41492
Yamane, Y. *see* Kato, N. 4−52286
Yamanishi, M., Minami, T., Suemune, I. Size effect modulation light sources−analysis and preliminary experiments 4−52823
Yamanishi, M. *see* Suemune, I. 4−53017
Yamanishi, T. *see* Tsuneishi, K. 4−52677
Yamano, T. *see* Watanabe, T. 4−32944, 4−39063
Yamanouchi, K., Gautam, J.K., Meguro, T. Low-loss unidirectional SAW filters using integrated micro-inductors 4−52392
Yamanouchi, K. *see* Gautam, J.K. 4−52393
Yamao, Y. *see* Tajima, J. 4−41591
Yamaoka, H. *see* Yoshida, H. 4−31053
Yamaoka, N., Murase, K., Tsunoda, S. Characteristics of a $SrTiO_3$-base BL capacitor with Nb_2O_5 and CuO added 4−51559
Yamaoka, T. *see* Fujimaki, N. 4−52514
Yamarone, C.A., Jr. *see* Rosell, S.N. 4−39722
Yamasaki, H. Normal Petri nets 4−50672
Yamasaki, H., Hackett, L.H., Watkins, E.T., Schellenberg, J.M., Feng, M. Design of optimized EHF FETs 4−58548
Yamasaki, K., Mizutani, T., Makimura, T., Shimada, K. GaAs MESFET technology (SAINT) for ultrahigh-speed LSIs 4−52285
Yamasaki, K., Takashima, K. Future outlook for lead/acid batteries in Japan 4−34853
Yamasaki, M. *see* Suzuki, A. 4−58377
Yamasaki, S., Nakagawa, M., Tsunogae, T. Phase-locked with constant loop gain and improved phase detector characteristics 4−29733
Yamasaki, S. *see* Matsuura, H. 4−41885
Yamasaki, T. *see* Hinata, T. 4−42830

Yamasaki, T. *see* Okuda, E. 4—47239
Yamashina, M. *see* Toida, T. 4—54448
Yamashiro, S. *see* Nakamura, Y. 4—40054
Yamashita, A. *see* Hayashide, Y. 4—33681
Yamashita, A. *see* Uchimura, K. 4—54989
Yamashita, E. *see* Ishii, K. 4—36558
Yamashita, H., Kawano, N., Nakamae, E., Nomura, T. The iterative local 3-D finite element analysis method by modifying the machines from a simplified shape to a real one 4—34713
Yamashita, H. *see* Fujimoto, F. 4—58043
Yamashita, H. *see* Nakamae, E. 4—31550
Yamashita, I. *see* Ohnishi, K. 4—44100
Yamashita, K., Taniguchi, T. A method for designing an optimal observer using a nonlinear transformation 4—39818
Yamashita, K. *see* Gamo, K. 4—30479
Yamashita, K. *see* Kawata, O. 4—38637
Yamashita, K. *see* Matsuda, Y. 4—50042
Yamashita, K. *see* Murakami, Y. 4—38633
Yamashita, M., Akiyama, M. A data flow control electronic exchange DATAFLEX-1 4—60604
Yamashita, M., Honda, N. Distance functions defined by variable neighborhood sequences 4—60213
Yamashita, M., Takeuchi, S. Origins of slow afterpulses in high gain first dynode PMTs 4—36234
Yamashita, M. *see* Maeda, H. 4—29902
Yamashita, M.Y. *see* Naitoh, T. 4—46385
Yamashita, N., Kumagai, Y., Ishida, E., Kashiwakura, A., Fujiwara, S. Photosensor units 4—33316
Yamashita, R.R. An overview of digital audio 4—55129
Yamashita, S. *see* Nishikado, I. 4—54041
Yamashita, T., Hayashi, T. Photomultiplier tubes for nuclear radiation detectors 4—51717
Yamashita, T., Murakami, N. High power converter system for high quality and high efficiency power supply system 4—40338
Yamashita, T., Takenaga, M. Erasable disk memory using Te-TeO_2 thin film 4—52540
Yamashita, T. *see* Ando, T. 4—41786
Yamashita, T. *see* Bube, R.H. 4—41835
Yamashita, T. *see* Hamasaki, K. 4—42302
Yamashita, T. *see* Ikeda, S. 4—32954
Yamashita, T. *see* Kobayashi, T. 4—47215
Yamashita, T. *see* Matano, M. 4—31199
Yamashita, T. *see* Muroyama, S. 4—56601
Yamashita, T. *see* Ohta, I. 4—51529
Yamashita, T. *see* Takenaga, M. 4—52527
Yamashita, T. *see* Yamashita, Y. 4—39531
Yamashita, Y., Takahashi, T. Use of the finite element method to determine epicardial from body surface potentials under a realistic torso model 4—61796
Yamashita, Y., Uchida, H., Yamashita, T., Hayashi, T. Recent developments in detectors for high spatial resolution positron CT 4—39531
Yamashita, Y. *see* Yamamoto, I. 4—61695
Yamato, K., Nakashima, K., Miyoshi, Y., Fukuda, N. Synthesis method of incompletely specified ternary function based on some polyphecks 4—41330
Yamauchi, H. *see* Hasegawa, T. 4—32821
Yamauchi, H. *see* Kozuka, S.-I. 4—32000
Yamauchi, J. *see* Nakano, H. 4—42949, 4—47678, 4—59838, 4—59874
Yamauchi, K. *see* Iwabe, K. 4—60975
Yamauchi, R. *see* Araki, S. 4—52672
Yamauchi, R. *see* Sanada, K. 4—52616
Yamauchi, R. *see* Tanaka, S. 4—52676
Yamauchi, Y., Ishida, A. An up-transition edge-triggered single-shot pulse generator with Josephson devices 4—41251
Yamauchi, Y., Yamamoto, M., Miyahara, K., Ishida, A. Timing control circuit for Josephson 1K RAM 4—29878
Yamauchi, Y. *see* Ando, H. 4—37221
Yamauchi, Y. *see* Ishida, A. 4—29879
Yamauchi, Y. *see* Miyahara, K. 4—47216
Yamawaki, H. *see* Ishii, K. 4—36558
Yamaya, T. *see* Kanzaki, T. 4—57465
Yamayee, Z.A., Hakimmashhadi, H. A flexible generation planning approach recognizing long term load growth uncertainty 4—62118
Yamazaki, H., Asano, Y., Morinaka, A. Plasma polymerized CS_2-Te film for laser beam memory 4—52538
Yamazaki, H., Homma, A., Yamaki, S. Isolation and inversion transformers for nanosecond pulses [high-energy accelerators application] 4—44522
Yamazaki, H., Honda, T., Ishii, Y., Miyazawa, S. Si ion implantation for GaAs IC fabrication 4—52287
Yamazaki, H., Nanishi, Y., Miyazawa, S., Ishii, Y. Electrical uniformity of LEC- and HB-grown semi-insulating GaAs crystals implanted with Si 4—30349
Yamazaki, K., Uotani, R.K., Nambu, K., Yamada, M., Yamamoto, K., Abe, K. Raman microprobe study on relaxation of residual stresses in patterned silicon-on-sapphire 4—51746
Yamazaki, K., Yamada, M., Yamamoto, K., Abe, K. Raman scattering characterization of residual stresses in silicon-on-sapphire 4—51884
Yamazaki, K. *see* Hayashida, M. 4—32403
Yamazaki, K. *see* Ichikawa, K. 4—52062
Yamazaki, M. Toward a knowledge-based design aid system for electronic materials 4—46794
Yamazaki, O. *see* Kawaguchi, T. 4—31169, 4—52542
Yamazaki, O. *see* Setsune, K. 4—42210, 4—52381, 4—52741
Yamazaki, S., Kawamoto, H., Saburi, K., Nakatsuka, H., Buchanan, R. Improvement in scanning electron microscope gun brightness at low kV using an intermediate extraction electrode 4—51729
Yamazaki, S., Mase, A., Urata, K., Shibata, K., Shinohara, H., Nagayama, S., Abe, M., Hamatani, T., Suzuki, K. An amorphous silicon solar cell having a conversion efficiency of 10.50 percent 4—62704
Yamazaki, S. *see* Kawamoto, H. 4—51728
Yamazaki, S. *see* Kutsuwada, N. 4—45808
Yamazaki, S. *see* Takanohashi, T. 4—42480
Yamazaki, S. *see* Ueda, O. 4—58022
Yamazaki, T. GPS time data recording system using a multi-task minicomputer 4—55711
Yamazaki, T., Ogita, Y., Ikegami, Y., Onaka, H., Ohta, E., Sakata, M. Contactless measurement of short carrier lifetime in heat-treated N-type silicon 4—30303
Yamazaki, T. *see* Iwasaki, M. 4—39392
Yamazaki, T. *see* Okano, H. 4—41984
Yamazaki, T. *see* Terasaka, K. 4—59012
Yamazaki, Y., Ishii, K., Kubo, T. Electronic key telephone system for small or medium offices 4—38409
Yamazaki, Y. *see* Ichikawa, Y. 4—47173
Yamazaki, Y. *see* Sekino, S. 4—54135
Yamazawa, K., Izumi, J., Chyubachi, T. FACOM 6510 image processing subsystem 4—32939
Yamazoe, N. *see* Kuwata, S. 4—48847
Yamnyi, V.E. *see* Dovoshev, V.P. 4—58394
Yamour, Y.J. *see* Brayton, R.K. 4—51184
Yampol'skaya, E.G. *see* Livshits, E.S. 4—34857
Yampol'skii, I.R. *see* Beruchev, N.G. 4—61603
Yampol'skii, I.R. *see* Vecherkovskii, V.V. 4—49998
Yampol'skiy, V.G. *see* Timofeyeva, A.A. 4—31754
Yamshchikov, V.A. *see* Apollonov, V.V. 4—31333
Yan, H.-J. *see* Yang, J.-M. 4—58949
Yan, S. *see* Wu, J. 4—37546
Yan, T.Y. Fueling power plants with high sulfur coal in compliance with emission standards 4—49742
Yan, T.-Y., Wang, C.C. Mathematical models for cochannel interference in FH/MFSK multiple-access systems 4—53963
Yan Ji-wen, Chen Wen-xiong, Zhu Qing The calculation of third-order aberrations of electrostatic lenses by non-paraxial electron trajectories 4—47552
Yan Jie *see* Ma Jimao 4—49092
Yan Liu *see* Liu Yan
Yan Luguang, Li Huidong, Yi Changlian Experimental investigation of the quench dynamic process of the close-packed superconducting magnets 4—42308
Yan Luguang, Liu Decheng, Ji Bohong, Li Huidong, Yi Changlian Development and test of the *D*3 superconducting magnet 4—47228
Yan Luguang *see* Bi Yanfang 4—31084
Yan Luguang *see* Yi Changlian 4—37046
Yan Shijian *see* Huang Huizhi 4—42316
Yan Wang *see* Wang Yan
Yan Yufen *see* Fan Weimin 4—50583
Yan Zhen, Zhou Wenbo, Sun Xianghai, Zhang Kebang, Qui Chuanren Analysis of aircraft gust response 4—49360
Yan Zhou *see* Zhou Yan
Yan-guang Su *see* Su Yan-guang
Yan-Zhong Zhang *see* Zhang Yan-Zhong
Yana, K. Test for Poisson process in the class of nonstationary point processes 4—50646
Yanabu, S., Mizoguchi, H., Suzuki, K., Kamata, I., Murayama, Y. Development of loop current interrupting disconnecting switch for gas insulated switchgear 4—34794
Yanagawa, T. Chip design using automatic placement and routing 4—46304
Yanagi, Y. *see* Natsuaki, N. 4—36441, 4—41980
Yanagibashi, M. *see* Kiuchi, K. 4—51570
Yanagida, H. *see* Toyoshima, Y. 4—33248
Yanagida, K. *see* Okada, K. 4—55354
Yanagida, M., Kakusho, O. Difference operation for pre/post-emphasis in linear prediction analysis 4—60101
Yanagida, M. *see* Kakusho, O. 4—53495
Yanagidaira, H. *see* Kobayashi, H. 4—47741
Yanagihara, K. *see* Heckeler, K.C. 4—30145
Yanagihara, M. *see* Mochiji, K. 4—51924
Yanagihara, N. *see* Miyawaki, S. 4—33183
Yanagihara, Y., Tanaka, M., Tamura, S., Tanaka, K. Generation of radar echo images from a contour map 4—60908
Yanagimoto, K. *see* Toba, H. 4—38611
Yanagisawa, H., Fukami, T., Fujii, S., Tsuchiy, H. A loop tracer for instantaneous measurement of ferroelectric hysteresis phenomena 4—55637
Yanagisawa, M. *see* Tanaka, H. 4—31021
Yanagisawa, S. *see* Hiranaka, K. 4—52297
Yanagisawa, S. *see* Kawai, S. 4—55602
Yanagisawa, S. *see* Mukai, S. 4—35474
Yanagisawa, T. Life and degradation characteristic of carbon film resistor under ON-OFF voltage-stress operation. III 4—36081
Yanagisawa, Y. *see* Ushida, N. 4—56030
Yanagiya, Y. *see* Hara, T. 4—39800
Yanami, H. *see* Shiota, H. 4—34798
Yanazawa, H. Adhesion model and experimental verification for polymer-SiO_2 system 4—36366
Yanazawa, H. *see* Matsuzawa, T. 4—30722
Yanenko, A.F. Analysis of the errors of an electronic controlled digital phase inverter 4—57179
Yanenko, N.N. *see* Gadiyak, G.V. 4—36354
Yanfang Bi *see* Bi Yanfang
Yanfei Li *see* Li Yanfei
Yang, B. *see* Berkowitz, R.S. 4—54884
Yang, C.-C., Yeh, K.C. Effects of multiple scattering and Fresnel diffraction on random volume scattering 4—47573
Yang, C.Y. *see* Zhao, S.N. 4—35458
Yang, D.K. *see* Yang, E.S. 4—46992
Yang, D.L. *see* Jansen, M. 4—31357
Yang, E.S., Hua, Q.H., Yang, D.K., Yang, G.S., Ho, P.S. Metal-amorphous silicon-silicon tunnel rectifier 4—46992
Yang, G.S. *see* Yang, E.S. 4—46992
Yang, H.T., Berry, W.S. Interaction of indium on Si surface in Si molecular beam epitaxy (MBE) 4—52009
Yang, J.J., Simpson, W.I., Manasevit, H.M., Ruth, R.P. Grain-size effects on electrical properties of *n*-type polycrystalline chemical vapor deposition Si films 4—36252
Yang, J.-M., Chiong, K., Yan, H.-J., Chow, M.-F. Negative photoresists for deep-UV lithography [of VLSI] 4—58949
Yang, J.P. Gate array for square-root chip meets military systems' needs 4—60022
Yang, K., Smits, K., Haq, E., Embrathiry, M., Varadi, A. Triple poly II DRAM memory cell 4—58339
Yang, K.H. An etch for delineation of defects in silicon 4—46957
Yang, K.K. *see* Olver, A.D. 4—42951
Yang, K.-W., Owen, S.J.T. Deep traps and mechanism of device aging in ACTFEL devices 4—52814
Yang, P. *see* Cox, P. 4—36863
Yang, R. *see* Duran, J. 4—42100
Yang, S. *see* Wu, J. 4—37546
Yang, S.L. *see* Hsieh, C.K. 4—58071
Yang, W. *see* Liang, M.-S. 4—36626
Yang, Y.-W. *see* Hu, Z. 4—37897
Yang Bang Sung *see* Sung Yang Bang
Yang Benqi *see* Jin Linfa 4—31428, 4—59182
Yang Boling *see* Hu Shiheng 4—37319
Yang Changqi, Chou Kua The electrodynamic properties of the diagonal MHD generators 4—50108
Yang Chen-guang *see* Zhang Fu-gen 4—59453
Yang Chongzhi *see* Jian Shuisheng 4—60632
Yang Dewei *see* Huang Zhangyong 4—31126, 4—59221
Yang Deyu *see* Liu Peitian 4—59479
Yang Fangyuan *see* Tang Xiande 4—37045
Yang Guangrong *see* Qin Fuguang 4—46216
Yang Guansheng *see* Sha Guohe 4—37316
Yang Guozhen *see* Gan Zizhao 4—37468
Yang Hongjun, Dai Xiaoyong, Gao Qinghua, Sun Birou Preparation of n-TiO_2 semiconductor photoanode and study of its photoelectrochemical behavior 4—50020
Yang Ji-lian *see* Chen Hong-yi 4—46443
Yang Jia-yuan, Lin Dao-fa, Nie Jian-sun, Ding Zheng-quan, Tang Xian-wu, Luo Wan-bo Study of a new FFT algorithm with minimum complex coefficients 4—57993
Yang Jianqun *see* Zhu Xiachun 4—31382
Yang Jinhua *see* Mo Peigen 4—29455
Yang Meixiao, Yong Zixiang, Zhang Chaojun TV reception performance of 6 metre earth station 4—60808
Yang Mengyan *see* Fu Rulian 4—58844
Yang Sung Lee *see* Sang Hun Chai 4—50058
Yang Tianlong, Gao Peijuan, Zhao Donghuan Effect of Raman mixing on SRS relative intensities in an optical fiber 4—59609
Yang Tianxiang Markov-chain computer simulation and its application in the analysis of DPLL 4—46292
Yang Tien Tsai *see* Tien Tsai Yang
Yang Wang *see* Wang Yang
Yang Wei-zhong, Zhang Jun An analysis of the mutual coupling between apertures on sphere 4—42928
Yang Wen-Jei *see* Wen-Jei Yang
Yang Wenyu, Chen Peifang A research on the recognition of a large number of printed Chinese characters 4—53795
Yang Xianfa *see* Meng Xianren 4—47208
Yang Xing-Yu *see* Ba En-Xu 4—52873
Yang Xue-Feng *see* Xue-Feng Yang
Yang Yi *see* Fan Dianyuan 4—31194
Yang Yi-qun On two kinds of circular interpolation splines 4—57957
Yang Yongshun *see* Hong Jingfen 4—37467
Yang Zhen *see* Hong Jingfen 4—37467
Yang Zhengming Modeling of gas breakdown in the capillary of gas lasers 4—59408
Yang Zhi-hua *see* Wang Han-chun 4—33008

Yang Zhong-hai *see* Liu Shenggang 4—36213
Yang Zhonghai, Mo Yuanlong, Liu Shenggang Kinetic theory of electron cyclotron maser with resonator having arbitrary longitudinal field distribution 4—31263
Yang-yuan Wang *see* Wang Yang-yuan
Yanisov, V.V. *see* Popov, A.A. 4—35542
Yanisova, L.K. *see* Popov, A.A. 4—35542
Yaniv, O. *see* Ioinovici, A. 4—46544
Yanka, R.W. *see* Bicknell, R.N. 4—46213
Yankauskas, V.Yu. Comparison of methods of predicting seasonal time series 4—35362
Yannakakis, M. *see* Tarjan, R.E. 4—50665
Yannan Li *see* Li Yannan
Yano, H. *see* Sasaki, A. 4—47294
Yano, J. *see* Nishizono, T. 4—43492
Yano, K. *see* Harada, N. 4—44451
Yano, K. *see* Kyoto, M. 4—52617
Yano, M. *see* Sugimoto, H. 4—62563
Yano, M. *see* Tomie, T. 4—59477
Yano, N. *see* Ishiguro, G. 4—37030
Yano, S. *see* Katayama, S. 4—62731
Yano, S. *see* Matsui, S. 4—53011
Yano, T., Watanabe, T., Yamada, S. Mask pattern analysis system for MOS LSI (PAS) 4—52302
Yano, T. *see* Enokizono, M. 4—40204
Yano, T. *see* Nakatsuka, S. 4—60621
Yano, T. *see* Takahashi, S. 4—52348
Yano, T. *see* Tone, M. 4—56351
Yanoshi, M., Rozha, K., Chillag, L., Le Trong Mu Noble gas mixture hollow cathode ion lasers 4—37283
Yanovskii, L.P., Belkin, Ya.I., Evdokimova, S.T., Pichugin, V.M. Influence of ash emissions on operation of switchyards of thermal power stations 4—40076
Yanovskii, L.P. *see* Kropp, L.I. 4—40075
Yanovskii, V.P. *see* Gavrilov, N.I. 4—31439
Yanowski, E.D. *see* Panock, R. 4—54756
Yanson, I.K., Bobrov, N.L., Rybalchenko, L.F., Fisun, V.V. Phonon singularities on volt-ampere curves of niobium point contacts 4—37053
Yansouni, P. *see* Chan, Y.T. 4—60056
Yansouni, P.A. Bias free estimates of the variance of time of arrival differences 4—60059
Yantovskii, L.I. *see* Danko, V.G. 4—40194, 4—45395
Yanukovich, G.I. *see* Serdenshnov, A.P. 4—56584
Yanukovich, G.I. *see* Serdeshnov, A.P. 4—45487
Yanukovich, S.F., Osinskii, A.G., Denisov, A.G., Tyushkevich, L.M. Roboto-technological complex EVEREST for wiring by twisting 4—30193
Yao, C.-S., Adrian, R.J. Orthogonal compression and 1-D analysis technique for measurement of 2-D particle displacements in pulsed laser velocimetry 4—47533
Yao, D.D.W., Chaudhry, M.L., Templeton, J.G.C. A note on some relations in the queue $GI^x/M/c$ 4—46081
Yao, I. *see* Cox, C.H., III 4—59299
Yao, K., Pollara-Bozzola, F. Modified Gram-Schmidt orthogonalization procedure for linear prediction with finite precisions 4—43380
Yao, K. *see* Konstantinides, K. 4—53697
Yao, M.-Y. *see* Guo, Y.-L. 4—42697
Yao, N. *see* DeLuca, W. 4—40421
Yao, N.P. *see* Miller, J.F. 4—40414
Yao, S.J., Krupper, M.A., Wolfson, S.K., Jr., Li, V.W.T., Wu, K.J. Low-potential voltammetry of glucose in human serum dialysate 4—49130
Yao, S.K. *see* Cordero-Iannarella, R.F. 4—61328
Yao, S.K. *see* Delaney, M.J. 4—52733
Yao, S.K. *see* Stearns, R.C. 4—54825
Yao, T., Ogura, M. Molecular-beam-epitaxial growth and characterization of high-quality undoped ZnSe films 4—50799
Yao, T., Ogura, M. Research on short-wavelength visible laser diodes 4—59495
Yao, T. *see* Matsumoto, K. 4—42050
Yao, T. *see* Ogura, M. 4—59513
Yao Biahua *see* Cao Liezhao 4—44650
Yao Guangtao, Gui Youxi, Gu Youying, Ji Tianlai, Zhang Lanmin, Lo Xiangzheng Growth of a specially doped YAG crystal and its multifunction properties 4—58006
Yao Guohong *see* Ma Shusen 4—59411
Yao Kun Yu *see* Yu Yao Kun
Yao Xixian *see* Sun Yuanshan 4—42289
Yao Xixian *see* Xu Kunming 4—47225
Yao Yongbang *see* Ma Shusen 4—59411
Yao Zhixin, Sun Wei A $Mn/MnCl_2$ vapor laser 4—59398
Yao-Hwa Wu, Werner, M., Kuo-Liang Chen, Shyh Wang Single-longitudinal-mode GaAs/GaAlAs channeled-substrate lasers grown by molecular beam epitaxy 4—37356
Yao-wen Su *see* Su Yao-wen
Yao-wu Liu *see* Liu Yao-wu
Yaochu Yu *see* Yu Yaochu
Yaogang Liu *see* Liu Yaogang
Yaokang Le *see* Le Yaokang
Yaolin Zhang *see* Zhang Yaolin
Yaoxian Fu *see* Fu Yaoxian
Yaoxiang Zhang *see* Zhang Yaoxiang
Yaqi Li *see* Li Yaqi
Yar, M. *see* Rao, T.S. 4—37823
Yaremenko, N.G. *see* Gulyayev, Yu.V. 4—30413
Yaremenko, Yu.I. *see* Milyutin, Ye.R. 4—42887
Yariv, A. Phasor derivation of the fundamental limits on the spectral purity of laser fields 4—31287
Yariv, A., Yeh, P. Optical waves in crystals. Propagation and control of laser radiation 4—45874
Yariv, A. *see* Bar-Chaim, N. 4—42405, 4—54745
Yariv, A. *see* Chen, Z.H. 4—36549
Yariv, A. *see* Harder, C. 4—59510
Yariv, A. *see* Kapon, E. 4—31463, 4—52949, 4—53002
Yariv, A. *see* Katz, J. 4—47447, 4—59533
Yariv, A. *see* Lau, K.Y. 4—52947, 4—52960
Yariv, A. *see* Rav-Noy, Z. 4—52084, 4—52114
Yariv, A. *see* Robinson, D.L. 4—59917
Yariv, A. *see* White, J.O. 4—52745
Yarlagadda, R. *see* Hershey, J. 4—38100
Yarlagadda, R. *see* Preuss, R.D. 4—37904, 4—53506
Yarlott, J.M. *see* Buller, M.L. 4—55192
Yarman, B.S. A dynamic CAD technique for designing broadband microwave amplifiers 4—30100
Yarman, B.S. *see* Youla, D.C. 4—50880
Yarmoshenko, Yu.M. *see* Dolgih, V.E. 4—56033
Yaroshchuk, I.O. *see* Klyatskin, V.I. 4—42837, 4—59733
Yaroshenko, I.F. *see* Vygon, V.G. 4—54903
Yaroshenko, N.G. *see* Molchanov, M.I. 4—44514, 4—47503
Yaroshenko, O.I. Polarization of dye laser radiation. I. Theory of the steady-state approximation 4—42589
Yaroshetskii, I.D. *see* Ganichev, S.D. 4—37199, 4—58723
Yaroshevskii, E.V. *see* Gordienko, V.I. 4—53156
Yaroslavskii, V.N. *see* Zhuravlev, E.N. 4—33266
Yarulaitis, V.Yu., Imbrasene, B.Yu. Protection of underground electrical mains by ceramic covers 4—62191
Yasaka, Y., Iwasa, Y. Stress-induced epoxy cracking and energy release at 4.2K in epoxy-coated superconducting wires 4—59172
Yasan, E.D. *see* Cazabat, C.R. 4—61240
Yaseen, P.A.M., Balakrishnan, K. Problems of installation of satellite Earth stations at remote islands 4—38549
Yasevichyute, Ya. *see* Bareika, B. 4—42716
Yashchenko, V.A. *see* Vasyagin, N.I. 4—49305
Yashin, A.A. Integrated circuit design algorithms 4—29588
Yashin, A.A. Distributed resistive-film attenuation sections with increased transformation ratio 4—51527
Yashin, V.E., Kryzhanovskii, V.I. Apodization and spatial filtering of light beams in stimulated Brillouin scattering 4—31488
Yashin, V.E. *see* Karpukhin, S.N. 4—59610
Yashin, V.M. *see* Drozdov, A.P. 4—32460
Yashinovitz, C.J. *see* Phillips, J.M. 4—41045
Yashiro, H. *see* Tanaka, S. 4—47241
Yashiro, K., Ohkawa, S. Application of the boundary element method to plane wave scattering problems from several dielectric cylinders 4—42849
Yashiro, K., Uehara, M., Ohkawa, S. The pass-band-stopband characteristics of magnetostatic surface wave in the periodical metal stripe structure 4—52471
Yashiro, M. *see* Imai, H. 4—47739
Yashiro, R., Yasuhara, H. Design concept of fiber optic cable 4—52566
Yasi Jiang *see* Jiang Yasi
Yasinski, V.M. *see* Gudelev, V.G. 4—47483
Yasinsky, J.B. Nuclear waste management—choosing among the options 4—49693
Yasojima, Y. *see* Nishikawa, M. 4—62323
Yassen, M.L. *see* Khusid, L.B. 4—52019
Yassievich, I.N. *see* Strikha, M.V. 4—46788
Yasso, J.C. *see* Secen, W.G. 4—56602
Yastrebkov, A.B. *see* Akhrarov, M. 4—37311
Yastrebov V.G. *see* Kolyasnikov, V.A. 4—30527
Yasu, M. *see* Kawachi, M. 4—31101
Yasu, M. *see* Yamada, Y. 4—31166, 4—48473
Yasuami, S., Saito, Y., Hojo, A. Au-Ge ohmic contact to n-GaAs by IR lamp alloying 4—41888
Yasubayashi, M., Kato, K. Theoretical analysis of split phase type synchronous inductor motors 4—56955
Yasuda, H., Hashimoto, H., Sakai, Y. Facsimile signal conversion and procedure control equipment in FICS-2 4—38231
Yasuda, H. *see* Okumura, K. 4—58192
Yasuda, K., Mikawa, T., Kishi, Y., Kaneda, T. Multiplication-dependent frequency responses of InP/InGaAs avalanche photodiode 4—37215
Yasuda, K. *see* Takeda, M. 4—47000, 4—58858
Yasuda, T. *see* Ito, M. 4—54043
Yasuda, T. *see* Nomura, T. 4—44932
Yasuda, Y. CSMA/CD local area networks with message-based priority functions 4—32407
Yasuda, Y. Frequency standards and time standards 4—33412
Yasuda, Y. The construction of atomic time and international comparisons—outline 4—33496
Yasuda, Y., Kashiki, K., Hirata, Y. High-rate punctured convolutional codes for soft decision Viterbi decoding 4—37844
Yasuda, Y. *see* Iida, I. 4—47926
Yasuda, Y. *see* Ishizuka, M. 4—37825
Yasuda, Y. *see* Morita, H. 4—32076
Yasuda, Y. *see* Nishinaga, T. 4—30329
Yasuda, Y. *see* Ogawa, K. 4—57725
Yasuda, Y. *see* Okinaka, H. 4—48428, 4—54702
Yasuda, Y. *see* Pak, K. 4—29489
Yasue, K. *see* Hatta, H. 4—54430
Yasuhara, H. *see* Yashiro, R. 4—52566
Yasuhara, M., Yasumoto, Y. An improved adaptive predictor in DPCM based on the Kalman filter and its application to handwriting signal encoding 4—47762
Yasuhara, T., Nabeta, E. Fuji field instrumentation system 4—61300
Yasui, J. *see* Noyori, M. 4—52293
Yasui, J. *see* Uya, M. 4—58426
Yasui, M., Haruki, S., Yoshioka, M., Kohnosu, K., Inoue, T., Kojima, Y. Development of anti-galloping technology for UHV overhead transmission line. I 4—56641
Yassi, T., Egawa, T., Sato, T. System architecture of digital local switching system 4—38397
Yasukawa, A., Sakamoto, T., Shida, S. HISETS: a software system for designing semiconductor device packages 4—35317
Yasumi, S., Kawai, H., Masaike, A., Yamamoto, A., Yoshimura, Y. Silica aerogel Cerenkov counter 4—33728
Yasumi, S., Kawai, H., Masaike, A., Yamamoto, A., Yoshimura, Y. Silica aerogel Cerenkov counter 4—33784
Yasumoto, K., Shigematsu, H. Analysis of propagation characteristics of radio waves in tunnels using a surface impedance approximation 4—47608
Yasumoto, M., Enomoto, T., Watanabe, K., Ishihara, T. Single-chip adaptive transversal filter IC employing switched capacitor technology 4—51407
Yasumoto, M. *see* Miki, S. 4—53914
Yasumoto, Y., Kondo, K., Sawoka, A. Effectiveness of foil-shaped manganin gauge in pressure measurement of shock waves in solids 4—49035
Yasumoto, Y. *see* Yasuhara, M. 4—47762
Yasunami, M. *see* Yamada, Y. 4—50165
Yasuoka, K. *see* Dhawan, S. 4—44694
Yasuoka, N. *see* Ozawa, T. 4—51237
Yasuoka, T. *see* Yamaguchi, H. 4—43465
Yasuoka, Y. *see* Harakawa, K. 4—39173
Yasuoka, Y. *see* Inoue, N. 4—44515
Yasutake, K., Umeno, M., Kawabe, H. Oxygen precipitation and microdefects in Czochralski-grown silicon crystals 4—41821
Yasuura, H. New design approaches to large-scale logic circuits. III. Logic design for VLSI systems 4—46438
Yasuura, H. *see* Takagi, N. 4—51164
Yasuura, K. *see* Okuno, Y. 4—47571
Yatagai, T. Interpolation approach to computer-generated holograms 4—59618
Yatagai, T., Inaba, S., Nakano, H., Suzuki, M. Automatic flatness tester for VLSI 4—58945
Yatagai, T., Inaba, S., Nakano, H., Suzuki, M. Automatic flatness tester for very large scale integrated circuit wafers 4—61600
Yatani, T., Shimazu, Y., Iwabuchi, A., Saitoh, Y. Message handling service programs 4—54039
Yates, G.J., King, N.S.P., Jaramillo, S.A., Noel, B.W., Gobby, P.L., Aeby, I., Detch, J.L. Nanosecond image shuttering studies at Los Alamos National Laboratory 4—37220
Yates, G.J. *see* Gobby, P.L. 4—36231
Yates, G.S. *see* Bennett, R.L. 4—32450
Yates, J.W. *see* Churchill, H.A. 4—45915
Yates, R.S. The history of lighting 4—45731
Yatmanov, B.A. *see* Kirianaki, N.V. 4—44454
Yato, F. *see* Yatsuzuka, Y. 4—37840
Yatsenko, L.P. *see* Danileiko, M.V. 4—52922, 4—53025
Yatsishin, S.P. *see* Lakhotskii, T.V. 4—62790
Yatsuboshi, R., Takeyama, A. Major and minor ring architecture using fiber optics 4—54431
Yatsuboshi, R. *see* Yada, K. 4—32409
Yatsuzuka, S. Models HS-304 and HS-330, two new VTR series: the evolution of VTRs takes an important step forward 4—32981
Yatsuzuka, Y., Yato, F., Kurematsu, A. Application of 32 and 16 kb/s speech encoding techniques to digital satellite communications 4—37840
Yau, K.L., Tay, G. The quantum field theory for a hot-electron problem 4—30293
Yau, L.D. Arguments for electron conduction in silicon nitride 4—59050
Yau, Y.W., Pease, R.F.W., Groves, T.R. Electron-electron interactions in finely focused beams of low energy electrons 4—47554
Yavon, Yu.P. *see* Zaytsev, E.F. 4—31768
Yavor, S.Ya. *see* Ovsyannikova, L.P. 4—59723
Yavorskii, B.I. The ordering of section junctions in cascade realisation of digital filters 4—51447
Yavorskii, E.A. Analysis of adaptive systems for the digital transmission of analog data taking into account the noise immunity of the compressed data 4—53342
Yavorskii, I.N. *see* Dragan, Ya.P. 4—50634
Yavuz, D. Frequency and focal region properties of random sparse arrays 4—47660

Yavuz, F.P. *see* Sumanth, D.J. 4—57769
Yaxiong Lu *see* Lu Yaxiong
Yazawa, R. *see* Itoh, K.-i. 4—29901
Yazeva, T.V. *see* Kamenev, Yu.E. 4—59314
Ye, C.H. *see* Becker, U. 4—39412
Ye Chao *see* Liang Peihui 4—31450, 4—59569
Ye Chao *see* Chao Ye
Ye Jia-yu *see* Chen De-sen 4—51695
Ye Mao-dong On the splines with the property of local interpolation 4—57955
Ye Miaogen *see* Su Jinwen 4—59416, 4—59418
Ye Peixuan, Chu Guiyin, Zhang Zhiguo, Fu Panming, Ji Guoshu, Lin Xi Four-wave mixing and its relaxation effect in liquid crystals 4—37465
Ye Quanshu, Gao Wenqi A laser scanner applicable to scanning any graphics 4—37474
Ye Weichun, Wang Hongzhen, Zhu Wuhua An experimental study of cavitation noise with the ITTC foil-headform combination 4—55768
Ye Yongcai *see* Tang Xiande 4—37045
Ye Yutang, Hu Yu, Qiu Mingxin Study of thermoelectric current of near-room-temperature photovoltaic (Hg,Cd)Te detectors 4—61387
Ye Zhijiang, Sun Yongqiang The solution of nonlinear redundant equations 4—57973
Ye Zhonghua, Zhang Xiangshu, Chen Congrong, Chen Ershao Continuously tunable helium replenisher for long lifetime He-Cd laser 4—31430
Ye Zongyuan *see* Li Jingwen 4—33616
Yea, J.J., Childers, D.G. Detecting speech nasalization by a spectral based algorithm 4—37906
Yeal Park Joon *see* Joon Yeal Park
Yeater, M. *see* Desrochers, A. 4—35183
Yeates, R. L-VIS: LASER's new viewdata information service 4—48087
Yebra, J.L.A. *see* Fiol, M.A. 4—46297
Yedavalli, R.K. Critical parameter selection in the vibration suppression of large space structures 4—49361
Yee, C.M.L., Nichols, K.B., Fedders, P.A., Wolfe, C.M., Park, Y.S. Chromium redistribution in ion-implanted GaAs 4—46937
Yee, C.M.L. *see* Feng, M. 4—30640
Yee, D.S. *see* Smith, D.P.E. 4—58880
Yee, J. Sources for fiberoptic testing. BNC's light pulse generator 4—31127
Yee, T.K. *see* Abbas, G.L. 4—54798
Yegnanarayana, B., Chandran, S. Performance of isolated word recognition system for degraded speech 4—53515
Yegnanarayana, B., Saikia, D.K., Krishnan, T.R. Significance of group delay functions in signal reconstruction from spectral magnitude or phase 4—47851
Yegnanaryana, B. *see* Raman, S. 4—59968
Yegorov, V.N., Mal'tseva, I.N., Tokareva, Ye.Yu. Iterational calculation of the characteristics of a dielectric resonator 4—36025
Yeh, C. *see* Gerla, M. 4—32457
Yeh, C.C., Haber, F., Bar-Ness, Y. Pointing vector estimation for adaptive arrays 4—31793
Yeh, C.-S., Reed, I.S., Truong, T.K. Systolic multipliers for finite fields $GF(2^m)$ 4—41303
Yeh, F.-S. *see* Huang, R.-M. 4—55406
Yeh, G.-J. *see* Ko, W.H. 4—33235
Yeh, H.L. *see* Ahmad, N. 4—50539
Yeh, J.J., Budgor, A.B. Injection locking of free electron laser by Alexandrite laser 4—47366
Yeh, J.T. *see* Grebe, K.R. 4—30532
Yeh, J.T.C. Mechanical properties of In-based eutectic alloy solders used in Josephson packaging 4—37058
Yeh, J.T.C. *see* Koren, G. 4—46254
Yeh, K.C. *see* Tucker, M.R. 4—47614
Yeh, K.C. *see* Yang, C.-C. 4—47573
Yeh, L.T., Wiener, M. Thermal analysis of a solar advanced water/steam receiver 4—62458
Yeh, P. *see* Yariv, A. 4—45874
Yeh, W.J. *see* Da-Ren He 4—52508
Yeh, Y.S., Schwartz, S.C. Outage probability in mobile telephony due to multiple log-normal interferers 4—48403
Yeh Dah-Kwang *see* Dah-Kwang Yeh
Yekrangian, S.A. *see* Yu, C. 4—36072
Yeliseyev, A.K. *see* Abdrashitov, F.R. 4—51029
Yellott, J.I., Jr. *see* Ahumada, A.J., Jr. 4—53836
Yelmgren, K.E. *see* Lin, T.C. 4—44799
Yelon, W.B. *see* Herbst, J.F. 4—30943
Yen, B.L., Huang, T.S. Solving for 3D motion parameters of a rigid body by a vector geometrical approach: uniqueness and numerical results 4—53936
Yen, D.W.L. *see* Dinstein, I. 4—43440
Yen, D.W.L. *see* Ni, L.M. 4—43439
Yen, E.T. *see* Lorenz, M.R. 4—31004
Yen, H. *see* Blauvelt, H. 4—54805, 4—55455
Yen, K.H. *see* Lau, K.F. 4—36988, 4—59112
Yen, K.H. *see* Rousseau, K.V. 4—30934
Yen, R., Shank, C.V., Fork, R.L. Femtosecond optical pulses and technology 4—59578
Yen, Y.T., Tuma, D.T., Davies, D.K. Emission of electrode vapor resonance radiation at the onset of impulsive breakdown in vacuum 4—30234
Yen Bin-shan *see* Li Guang-lin 4—33578
Yen Xixshu *see* Dong Xiaoyi 4—59579
Yen-chu Wang *see* Wang Yen-chu
Yening Wang *see* Wang Yening
Yenyang Shih *see* Shih Yenyang
Yeo, Y.K. *see* Kwor, R. 4—46921
Yeomans, J. Communication aspects of the electronic office 4—38337
Yeomans, J. Mitel's networked approach [integrated communications network] 4—43912
Yeremian, A.D. *see* Adamski, J.L. 4—47485
Yeremin, I.I. Duality for improper linear and convex programming problems and methods of correcting them 4—35388
Yerian, K. *see* Mullani, N.A. 4—33813
Yerkes, J.W. Ten years of commercial photovoltaic experience 4—40472
Yerkes, J.W. The next 10 years [solar cells] 4—50104
Yershevich, V.V., Krivushkin, L.F. First results of mastering 750 kV transmissions 4—45071
Yershov, V.I., Givargizov, E.I. Preparation of gallium arsenide films on insulators by artificial epitaxy 4—29495
Yesepkina, N.A. *see* Aksenov, Ye.T. 4—47315
Yesepkina, N.A. *see* Bukharin, N.A. 4—42436
Yeung, A.K.C. *see* Shuter, W.L.H. 4—37738
Yeung, K.S. Symbolic network function generation via discrete Fourier transform 4—29576
Yevick, D., Hermansson, B. A numerical investigation of the mode coupling among the local normal modes of sinusoidally modulated parabolic graded-index planar waveguides 4—47275
Yevick, D., Meissner, P., Patzak, E. Modal analysis of inhomogeneous optical resonators 4—53021
Yevick, D. *see* Hermansson, B. 4—47257
Yevick, D. *see* Meissner, P. 4—47468, 4—59536
Yevick, D. *see* Streifer, W. 4—47454, 4—52977
Yevtushenko, Yu.G., Zhadan, V.G. Systematization of numerical methods in nonlinear programming 4—35390
Yezhov, V.A. *see* Grinev, A.Yu. 4—31782
Yi Bae Chung *see* Chung Yi Bae
Yi Boten *see* Li Qingxiu 4—31537
Yi Changlian, Zhang Hong, Yan Luguang, Chen Jinglin Experimental study of the influence of the pulsed magnetic field on the stability of the NbTi composite conductor 4—37046
Yi Changlian *see* Yan Luguang 4—42308, 4—47228
Yi Ho, C. *see* Farhat, N.H. 4—43412
Yi Lin *see* Lin Yi
Yi Qin *see* Qin Yi
Yi Yang *see* Yang Yi
Yi-Ching Lin, Neureuther, A.R. Alignment signals for electron beam lithography 4—30705
Yi-fan Gu, Jing-tang He, Chong-fan He, Bing-fu Shen A study of the properties of bismuth germanate for the detection of photons 4—61669
Yi-he Shi *see* Shi Yi-he
Yi-hua Wang *see* Wang Yi-hua
Yi-Kang He, Lipo, T.A. Saturation effects in the stability analysis of a VSI induction motor drive 4—57378
Yi-Lin Chen, Lo, Y.T. Reactive reflectors 4—53301
Yi-qun Yang *see* Yang Yi-qun
Yi-Zi Xing, Kordic, S., Middelhoek, S. A new approach to offset reduction in sensors: the sensitivity-variation method 4—55414
Yianilos, P.N. String comparator—a new tool for speech recognition 4—43255
Yidlir, Y.B., Wexler, A. MANDAP—a FEM/BEM data preparation package 4—29398
Yie Ziqing *see* Xu Bingde 4—47432
Yifang Wang *see* Wang Yifang
Yiguan Hu *see* Hu Yiguan
Yih-Cheng Shih, Washburn, J., Shatas, S.C. Effect of heating rate and annealing temperature on twin formation in As^+ implanted (111) silicon 4—51936
Yijing Chen *see* Chen Yijing
Yikun Lin *see* Lin Yikun
Yili Guo *see* Guo Yili
Yiling Guan *see* Guan Yiling
Yilmaz, U.M., Kennedy, G.R., Hall, M.P.M. A GaAs FET microwave refractometer for tropospheric studies 4—33451
Yilong Zhang *see* Zhang Yilong
Yiman Wang *see* Wang Yiman
Yiming Huai *see* Huai Yiming
Yiming Ling *see* Ling Yiming
Yin, B.H. *see* Parvin, B.A. 4—53830
Yin, R. *see* Ling, L.-B. 4—60237
Yin, Y.Z., Bekefi, G. Dispersion characteristics of an FEL with a linearly polarized wiggler and axial guide field 4—31284
Yin, Y.Z. *see* Fajans, J. 4—52858
Yin, Y.Z. *see* Shefer, R.E. 4—30265
Yin Feng *see* Chen Kai-zhou 4—41225
Yin Houming *see* Sha Guohe 4—37316
Yin You-Tian *see* Liu Zhen-Wei 4—53284
Yin Yuan-zhao *see* Yuan-zhao Yin
Yin-yue Wang *see* Wang Yin-yue
Yin-Zhong Liang, Liu, H.K. Optical matrix-matrix multiplication method demonstrated by the use of a multifocus hololens 4—53107
Yinan Wei *see* Wei Yinan
Ying, C.F. *see* Shen, J.Z. 4—50868
Ying, C.F. *see* Zhang, H.L. 4—52369
Ying, R.S. Recent advances in millimeter wave solid state transmitters 4—51543
Ying Chong-Fu, Zhang Hai-Lan, Li Ming-Xuan The two-dimensional equivalent circuit of a nominal thickness mode piezoelectric circular disk and its application to the analysis of the transient induced voltage 4—47147
Ying Peng *see* Peng Ying
Ying Zhaomin *see* Jin Xin, Chen Wuming 4—39335
Ying Zhuqing, Li Jingyi Measurement of temperature spectra of dielectrics at high frequencies 4—55636
Ying-jie Ma *see* Ma Ying-jie
Ying-ping Zhang *see* Zhang Ying-ping
Yingdi Ma *see* Ma Yingdi
Yinghua Zhang *see* Zhang Yinghua
Yingqiu Jiang *see* Jiang Yingqiu
Yingshi Cai *see* Cai Yingshi
Yingyi Ling *see* Ling Yingyi
Yingying Jiang *see* Jiang Yingying
Yingzhong Zhang *see* Zhang Yingzhong
Yinlin Xu *see* Xu Yinlin
Yinyi Lin *see* Lin Yinyi
Yip, G.L., Finak, J. Directional-coupler powder divider by two-step K^+-ion exchange 4—59238
Yiping Zhang *see* Zhang Yiping
Yiqian Yuan *see* Yuan Yiqian
Yiren Du *see* Du Yiren
Yisheng Chen *see* Chen Yisheng
Yixi Xie *see* Xie Yixi
Yixian Liu *see* Liu Yixian
Yizhen, P. *see* Xuan, P. 4—62015
Yizhu Sun *see* Sun Yizhu
Yngvesson, K.S. *see* Cai, S.Z. 4—36069
Yngvesson, K.S. *see* Kollberg, E.L. 4—37754
Yngvesson, K.S. *see* Korzeniowski, T.L. 4—44446
Yntema, J.L., Billquist, P.J. The Argonne inverted sputter source 4—33620
Yntema, J.L. *see* Kutschera, W. 4—33761
Yochheim, E.D. *see* Jocher, W.F. 4—49680
Yoda, K., Ugai, Y. System configurations and applications in domestic/regional satellite communications 4—32746
Yoder, D. *see* Lee, C. 4—51076
Yoder, L.P. *see* Heyman, J.S. 4—56350
Yodh, A.G., Bai, Y., Golub, J.E., Mossberg, T.W. Grazing-incidence dye lasers with and without intracavity lenses: a comparative study 4—52925
Yodh, A.G., Golub, J., Carlson, N.W., Mossberg, T.W. Optically inhibited collisional dephasing 4—53085
Yodh, G.B. State of art of transition radiation detectors 4—33673
Yodlowski, B. *see* Simcoe, B. 4—58388
Yoffa, E.J. *see* Kurtzberg, J.M. 4—30174
Yogev, A. *see* Bony, H. 4—47404
Yogi, M.Venkata Ramana *see* Venkata Ramana Yogi, M.
Yogi, T. Multidimensional transmission line package 4—50540
Yoh, J. *see* Hayashide, Y. 4—33681
Yohe, W.E. Designing carbon brushes to enhance motor performance 4—56909
Yokobayashi, S. *see* Wakuta, Y. 4—61624
Yokogawa, M., Nishine, S., Matsumoto, K., Akai, S., Okada, H. Computer-controlled mapping of photoluminescence intensities 4—61189
Yokogawa, T. *see* Taguchi, T. 4—42491
Yokohama, S. *see* Hahn, P.O. 4—51909
Yokoi, S. *see* Toriwaki, J. 4—53853
Yokoi, S. *see* Yorozu, J.-I. 4—61778
Yokoi, Y. *see* Chiba, A. 4—50450
Yokokawa, K. PRODAS-E: total data monitoring and display computer systems for power plants 4—62264
Yokokawa, S., Imaizumi, S., Motoyoshi, O., Konishi, S., Ishida, K. Control system of static VAR compensator 4—39801
Yokokawa, S., Tanimoto, M., Tsuchiya, T. Static VAR compensator for electric power network system 4—39799
Yokokawa, S. *see* Nakamura, T. 4—46601
Yokokawa, T., Yamamoto, I. Errors produced by manual tracking operation in recorded curve transform system and improvement of its performance by using semiautomatic processing system 4—48791
Yokomizo, E., Morimoto, Y. Taking measures to meet higher efficiency in switching power supply 4—50976
Yokomizo, H. *see* Notomi, S. 4—56537
Yokomizo, Y., Uno, S., Harata, M., Hiraki, H., Yuki, K. Microstructure and humidity-sensitive properties of $ZnCr_2O_4$-$LiZnVO_4$ ceramic sensors 4—48837
Yokoo, K. *see* Katsumata, Y. 4—36547
Yokose, T. *see* Isogal, Y. 4—61756
Yokoshima, I. *see* Nagatsuka, A. 4—39283
Yokota, A. *see* Tsuda, M. 4—30477
Yokota, H. *see* Tanaka, S. 4—31108
Yokota, J. *see* Ushida, N. 4—56030
Yokota, S., Korenaga, Y., Tabata, S. Maintenance and administration system for DTS-21 digital local switching system 4—38402
Yokota, T., Sato, T. 2-D spectral estimation combining parametric estimation of background and maximum entropy estimation 4—43330

Yokota, T. *see* Ikeda, S. 4—32954
Yokota, T. *see* Yamamoto, F. 4—35028
Yokota, Y. *see* Masuyama, H. 4—34314
Yokoto, T. *see* Ono, M. 4—47570
Yokoyama, C. *see* Ushida, N. 4—56030
Yokoyama, H., Ito, H., Inaba, H. Subpicosecond coherent optical pulse generation by passive mode locking of an AlGaAs semiconductor diode laser 4—31397
Yokoyama, H., Kishida, S., Washio, K. Laser induced metal deposition from organometallic solution 4—29503
Yokoyama, H. *see* Ihara, F. 4—55216
Yokoyama, H. *see* Matsuura, K. 4—56617
Yokoyama, K., Ishii, N., Suzumura, N., Naka, K.-I. Automatic classification of neurons 4—53859
Yokoyama, K., Tomizawa, M., Takeda, T., Yoshii, A. Optimization of process and device characteristics for MOSFETs by using the BFGS method 4—47058
Yokoyama, K. *see* Tanuma, C. 4—52347
Yokoyama, K. *see* Tomizawa, M. 4—58923
Yokoyama, K. *see* Yoshii, A. 4—36506
Yokoyama, M., Mikawa, H. On manufacture of a simple processor for surface potential photodecay measurement [in colour electrophotography] 4—53165
Yokoyama, N., Imamura, K., Ohshima, T., Nishi, H., Muto, S., Kondo, K., Hiyamizu, S. Tunneling hot electron transistor using GaAs/AlGaAs heterojunctions 4—47025
Yokoyama, N., Onodera, H., Shinoki, T., Ohnishi, H., Nishi, H., Shibatomi, A. A 3 ns GaAs 4K×1b SRAM 4—51227
Yokoyama, N. *see* Imamura, K. 4—47026
Yokoyama, S. On minimal-pair words in Japanese dictionary—where addition or deletion of phonemes is included 4—43214
Yokoyama, S. A consideration on minimal-pairs of words in a Japanese dictionary with respect to accent type 4—43227
Yokoyama, S. *see* Itahashi, S. 4—43210
Yokoyama, S. *see* Ito, M. 4—54043
Yokoyama, S. *see* Shimoseko, S. 4—32729
Yokoyama, T. *see* Hirose, S. 4—52375
Yokoyama, T. *see* Kishi, S. 4—30924
Yokoyama, T. *see* Maeda, Y. 4—29462, 4—34897, 4—41928
Yokoyama, Y., Furusawa, M. Computer communication terminal equipment 4—32411
Yokoyama, Y. *see* Koshizuka, N. 4—59138
Yokoyama, Y. *see* Okuda, T. 4—30968
Yokoyama, Y. *see* Shimazu, Y. 4—54359
Yokozawa, S. *see* Yabumoto, T. 4—59921
Yoldas, B.E., Partlow, D.P. Wide spectrum antireflective coating for fused silica and other glasses 4—37185
Yon, K. *see* Pratt, T. 4—31658
Yon, K.M., Stutzman, W.L., Bostian, C.W. Worst-month rain attenuation and XPD statistics for satellite paths at 12 GHz 4—53208
Yon Dae-Heum *see* Dae-Heum Yon
Yoneda, K., Toda, T., Hishida, Y., Niina, T. The preparation of conductive ZnS films by using MBE with a single effusion source 4—50786
Yoneda, M. *see* Akiyama, S. 4—36866
Yoneda, S., Fukui, Y. A novel method of echo suppression using a bilateral optoisolator circuit 4—32511
Yoneda, S. *see* Emura, M. 4—29681
Yoneda, T. *see* Kaijima, M. 4—42993
Yonesu, K. *see* Ohki, T. 4—61479
Yoneyama, K. *see* Funakawa, K. 4—56247
Yoneyama, S. *see* Kamiura, Y. 4—36413
Yoneyama, T., Nishida, S. Nonradiative dielectric waveguide circuit components 4—58508
Yonezawa, H., Maejima, H., Minorikawa, K. CRT chip controls bit-mapped graphics and alphanumerics 4—51356
Yonezawa, H. *see* Nakayama, S. 4—58044
Yonezawa, M. *see* Takahashi, S. 4—52348
Yonezawa, Y. *see* Kouguchi, N. 4—44184
Yonezu, K., Ando, K. Sealed lead-acid battery 4—57334
Yong Geol Shim, Choong Woong Lee A study on the probability distribution of hold-in time in spread spectrum communication systems 4—53635
Yong Niu *see* Niu Yong
Yong Zixiang *see* Yang Meixiao 4—60808
Yong-an Shui *see* Shui Yong-an
Yong-fu Li *see* Li Yong-fu
Yong-guang Luo *see* Luo Yong-guang
Yong-Guang Wang *see* Wang Yong-Guang
Yong-Moo Kwon *see* Myung-Hwan Oh 4—61174
Yong-quan Xu *see* Xu Yong-quan
Yong-Rui Miao *see* Miao Yong-Rui
Yong-shi Wu *see* Wu Yong-shi
Yong-xing Xu *see* Xu Yong-xing
Yongbang Yao *see* Yao Yongbang
Yongcai Ye *see* Ye Yongcai
Yongchun Li *see* Li Yongchun
Yonge, M. The marriage of high quality sound with videotape 4—38849
Yonggao Zhang *see* Zhang Yonggao
Yongjian Zeng *see* Zeng Yongjian
Yongkang Li *see* Li Yongkang
Yongqiang Sun *see* Sun Yongqiang
Yongsheng Ruan *see* Ruan Yongsheng
Yongshun Yang *see* Yang Yongshun
Yongxiang Tao *see* Tao Yongxiang
Yongxing Wang *see* Wang Yongxing
Yoo, H.-W. *see* Kim, C.-M. 4—56479
Yoo, K.B., Uberall, H., Ashrafi, D., Ashrafi, S. Spurious resonances and modelling of composite resonators 4—30903
Yoon, T.S. *see* Ushida, N. 4—56030
Yoon Chang Sun *see* Chang Sun Yoon
Yoon Ki Shin, Choon Sung Kim, Jae Ho Sin, Chong Kak Lee Study on the application of LMS algorithm to the two-dimensional adaptive filter 4—51446
Yordanov, O.I. Scattering from two-scale surfaces for large distances 4—47584
York, D., Hoagland, J.C. Communications interface equipment. An advanced Orbiter interface system for payloads command/telemetry 4—48764
York, R. *see* Mori, Y. 4—61663
York, R.L., Stevens, R.R., Jr. Development of a multicusp H^- ion source for accelerator applications 4—61647
Yorksie, D.S. Multivoltage high power electrical power system 4—39669
Yoroizawa, I. Evaluation techniques for TV pictures. V. Subjective assessment of television picture quality and data processing 4—61009
Yoroizawa, I., Inoue, M. Legibility evaluation of dotted matrix displayed Japanese characters on VDUs under varying dot matrix counts 4—47907
Yorozu, J.-I., Yokoi, S., Tsuruoka, S., Miyake, Y. Three-dimensional display of CT images of human brain using a cylindrical coordinate system 4—61778
Yoshibayashi, T., Kusu, K., Kimura, Y. Implementation and user evaluation of teleconference systems 4—61110
Yoshida, H., Kodaka, H., Miyata, K., Yamaoka, H., Okada, T. Neutron irradiation effect on T_c of in situ Nb_3Sn superconducting wires 4—31053
Yoshida, H., Matsunaga, M., Matsuzaki, K., Miguchi, Y. New uninterruptable power supply system for satellite communication 4—56532
Yoshida, H., Shibata, Y., Usunaga, Y. Power MOSFET 4—52128
Yoshida, H. *see* Kobayashi, M. 4—55822
Yoshida, I., Okabe, T., Iijima, T., Ohtaka, S., Nagata, M. 1600 V power MOSFET with 20 ns switching-speed 4—36621
Yoshida, I. *see* Ohkura, M. 4—41918
Yoshida, I. *see* Okabe, T. 4—52139
Yoshida, J. *see* Kurata, M. 4—36552
Yoshida, J. *see* Takahashi, T. 4—29538, 4—58686
Yoshida, K. Automatic control of electromagnetic stirrer for continuous casting machine 4—42767
Yoshida, K., Maekawa, E., Nagasawa, S., Murata, H. Performance of installed optical fiber cables for use in the local area and business premises application field trial 4—44105
Yoshida, K., Maekawa, E., Nihei, F. Mass measurement technique for multi-fiber optical losses 4—52657
Yoshida, K., Ono, K., Nishikawa, M., Tsuno, K., Nishiwaki, Y. Imaging optics for low-loss high-resolution silica image fiber 4—52621
Yoshida, K., Ushijma, K. Experiences in transferring software via inter-university N1-network 4—60531
Yoshida, K. *see* Enpuku, K. 4—31079, 4—58334
Yoshida, K. *see* Kokura, K. 4—52614
Yoshida, K. *see* Komiya, R. 4—38354
Yoshida, K. *see* Maekawa, E. 4—61564
Yoshida, K. *see* Mitsui, H. 4—40203
Yoshida, K. *see* Motoda, H. 4—62304
Yoshida, M., Nakahara, M., Kimura, M., Taguchi, S., Maeguchi, K., Tango, H. High speed 1 μm SOS CMOS devices using double solid-phase epitaxy 4—36870
Yoshida, M. *see* Shinzawa, M. 4—60524
Yoshida, M. *see* Suzuki, S. 4—58341
Yoshida, M. *see* Tsuneishi, K. 4—52677
Yoshida, M. *see* Yoshida, S. 4—40436
Yoshida, N., Fukai, I. Target analysis of a stripline having a corner in three-dimensional space 4—41538
Yoshida, N. *see* Koike, S. 4—59835
Yoshida, N. *see* Miki, K. 4—46860
Yoshida, N. *see* Soga, M. 4—58507
Yoshida, O. *see* Harada, N. 4—44451
Yoshida, S. Reactive molecular beam epitaxy 4—41042
Yoshida, S. Progress in infrared transmitting fibers 4—52629
Yoshida, S., Mitsui, K., Oda, T., Yoshida, M., Yukimoto, Y. Series resistance effects and cell performances in GaAs concentrator solar cells 4—40436
Yoshida, S., Sakuma, E., Endo, K., Misawa, S., Miyazawa, T., Gonda, S. SiC high-temperature optoelectronic devices 4—58018
Yoshida, S., Satoh, T., Matsuda, T. Pel pattern predictive coding of dithered images 4—43687
Yoshida, S. *see* Hama, K. 4—59144
Yoshida, S. *see* Miyazawa, T. 4—58014
Yoshida, S. *see* Nakamura, K. 4—53009
Yoshida, S. *see* Nakayama, T. 4—38419
Yoshida, S. *see* Sasaki, K. 4—46832
Yoshida, S. *see* Setaka, R. 4—52643
Yoshida, S. *see* Takahashi, H. 4—59232
Yoshida, S. *see* Takeuchi, T. 4—53305
Yoshida, S. *see* Tanuma, C. 4—52347
Yoshida, T. Simplified, centralized TV signal generators 4—48911
Yoshida, T., Kuba, K., Sakai, K., Fujita, S. Frequency stabilization of a CO_2 laser for sub-MM laser pumping by the Stark modulated Lamb dip signal 4—42540
Yoshida, T., Matsue, H., Morita, K. An adaptive variable-resonance equalizer for a 16 QAM radio system 4—43964
Yoshida, T., Nakagawa, M. Spread spectrum synchronizing loop for spreading code modulated by code shift keying 4—54630
Yoshida, T., Ninomiya, I. Computation of incomplete gamma functions $\Gamma(\nu, x)$ for small argument x 4—57970
Yoshida, T., Ueda, J. A pause-in-speech deletion technique of delay-allowable communication systems 4—47791
Yoshida, T. *see* Sakamoto, T. 4—54459
Yoshida, T. *see* Sekine, Y. 4—62242
Yoshida, T. *see* Sone, J. 4—35926
Yoshida, T. *see* Sugiura, S. 4—41863
Yoshida, Y. Public data network 4—32405
Yoshida, Y., Ishitsuka, A. Multi-coloured FIP (fluorescent indicator panel) 4—33387
Yoshida, Y. *see* Iwakane, T. 4—57086
Yoshida, Y. *see* Kato, M. 4—38194
Yoshida, Y. *see* Kitamura, A. 4—32615
Yoshida, Y. *see* Nishizono, T. 4—32096
Yoshida, Y. *see* Watanabe, T. 4—42121
Yoshidomi, K., Aoki, K., Uchida, K. Diffraction of an electromagnetic plane wave by a slit in a lossy dielectric slab 4—42831
Yoshihara, H. *see* Saitoh, Y. 4—36391
Yoshihara, T., Mashiko, K., Takano, S., Nakano, T., Nagayama, Y. Influences of circuit design on the characteristics of soft error in MOS dynamic RAMs 4—46452
Yoshihara, T. *see* Kuroki, Y. 4—50979
Yoshihara, T. *see* Nagao, S. 4—29872
Yoshihara, T. *see* Takano, S. 4—30650
Yoshii, A., Tomizawa, M., Yokoyama, K. Submicron device simulation 4—36506
Yoshii, A. *see* Tomizawa, M. 4—58923
Yoshii, A. *see* Yokoyama, K. 4—47058
Yoshii, K. *see* Sakakibara, T. 4—39879
Yoshii, N. *see* Akiyama, S. 4—36866
Yoshii, T., Taguchi, S., Inoue, T., Tango, H. CMOS/SOS devices improved by silicon implantation and subsequent thermal annealing technique 4—47059
Yoshii, Y., Asano, K., Nakamura, M., Yamada, C. An 8b 100 MS/s flash ADC 4—51337
Yoshiike, H. *see* Shimogaki, K. 4—45739
Yoshika, T., Takatera, K., Enoki, K. Characteristics of a piezoelectric flapper and its application 4—52358
Yoshikai, N., Asamura, S., Katoh, M. F-400M line terminal equipment [optical links] 4—38622
Yoshikawa, A., Tanaka, K., Yamaga, S., Kasai, H. Growth of high-quality ZnSe films by low-pressure metalorganic chemical vapor deposition 4—50809
Yoshikawa, A., Yamaga, S. Growth of hydrogenated amorphous silicon films by ArF excimer laser photodissociation of disilane 4—29517
Yoshikawa, A., Yamaga, S., Tanaka, K. New and simple MOCVD technique using completely gaseous MO-sources especially useful for growing Zn-chalcogenide films 4—50807
Yoshikawa, H., Hinata, T., Hosono, T., Takano, S. Analysis of polarization-maintaining single-mode optical fibers with vacuum circular-pits across core-clad interface 4—31150
Yoshikawa, H. *see* Tomiyama, T. 4—57800
Yoshikawa, K. *see* Tanaka, S. 4—51233
Yoshikawa, M. *see* Ohta, N. 4—38526
Yoshikawa, M. *see* Tsushima, S. 4—53163
Yoshikawa, R., Sasaki, S. A new algorithm for reticle inspection 4—30719
Yoshikawa, R., Sasaki, S. Automated reticle pattern inspection systems for VLSI 4—52230
Yoshikawa, T. Optical multi/demultiplexer 4—32810
Yoshikawa, T. *see* Takahashi, Y. 4—56278
Yoshimi, M. *see* Kato, Y. 4—36375
Yoshimi, M. *see* Takigawa, T. 4—42094
Yoshimoto, M. *see* Anami, K. 4—47125
Yoshimura, F. *see* Ishii, O. 4—47175
Yoshimura, K. Measures of frequency stability 4—33413
Yoshimura, K. Atomic time algorithms 4—33497
Yoshimura, K., Shinozuka, T., Suzuki, Y., Mineno, H., Shimada, M., Kuroiwa, H. Calculation of the Allan variances for the rain-attenuated millimeter wave beacon from a geostationary satellite, and their application to site-diversity switching 4—47588
Yoshimura, K. *see* Hamada, T. 4—53845
Yoshimura, K. *see* Kobayashi, M. 4—33417
Yoshimura, K. *see* Saburi, Y. 4—44198
Yoshimura, M. *see* Ashiya, M. 4—62753

Yoshimura, M. *see* Suzuki, Y. 4—58290
Yoshimura, N., Nishida, M., Noto, F. Light emission from tracking discharges on organic insulation 4—42200
Yoshimura, N., Noto, F. Effects of DC prestressing on tree initiation in polyethylene with and without needle-shaped void 4—42199
Yoshimura, N. *see* Nishida, M. 4—52343
Yoshimura, Y. *see* Shiomi, Y. 4—54986
Yoshimura, Y. *see* Yasumi, S. 4—33728, 4—33784
Yoshinaga, K. *see* Kuwahara, H. 4—57272
Yoshinaga, T., Inoue, K., Tate, A. Determination of the pitching characteristics of tumbling bodies by the free-rotation method 4—33922
Yoshinaka, A. *see* Matsuba, I. 4—46920
Yoshino, A. *see* Den, H. 4—56620
Yoshino, H., Inomata, K., Hasegawa, M., Kobayashi, T., Sawa, T. Low magnetostrictive amorphous Fe-Nb-Si-B alloys 4—36996
Yoshino, J., Sakaki, H., Hotta, T. Oscillatory magnetoresistance of GaAs/GaAlAs quantum well structures under parallel magnetic fields 4—51846
Yoshino, J. *see* Hirakawa, K. 4—51813
Yoshino, J. *see* Kawaji, S. 4—46849
Yoshino, J. *see* Sakaki, H. 4—37360, 4—51844
Yoshino, K., Ozaki, M. New electro-optic effect of microsecond response utilizing transient light scattering in ferroelectric liquid crystal 4—52714
Yoshino, K., Urabe, T., Inuishi, Y. Effect of cell thickness on electrical property of ferroelectric liquid crystal and high speed optical switching and memory element 4—52345
Yoshino, M. *see* Suehiro, Y. 4—32812
Yoshino, T. Technique for launching light into fiber 4—47265
Yoshino, T., Takmizawa, T., Henderson, A., Abiko, S., Hashizume, M., Satoh, T., Katoh, K. A monolithic programmable speech synthesizer with voice recognition 4—59964
Yoshino, T. *see* Harada, N. 4—44451
Yoshino, T. *see* Saburi, Y. 4—44198
Yoshino, T. *see* Tomita, Y. 4—52718
Yoshinouchi, A. *see* Miyamoto, S. 4—34788
Yoshioka, M. *see* Yasui, M. 4—56641
Yoshioka, N. *see* Kyoto, M. 4—52613
Yoshioka, Y. *see* Natsui, K. 4—45564
Yoshitani, Y. Contribution of control systems to energy savings in steel works 4—57610
Yoshitoshi, M. LSIs for telephone sets 4—48303
Yoshiya, K. SNR improvement by SUNDER (suppressor of noise due to digital error in PCM speech) for some binary codes 4—31925
Yoshiya, K. Comparative study on digital noise suppressors for PCM speech 4—47634
Yoshiyama, Y. *see* Hayashi, A. 4—47288
Yoshiyasu, H., Murata, S., Wada, Y., Shibuya, Y., Murai, Y. Vapour flow patterns observed in free-burning arcs 4—46752
Yoshizaki, H. *see* Kuwabara, K. 4—57310
Yoshizaki, M., Naito, A. A centralized flood-monitoring system for Osaka Prefecture 4—60436
Yoshizaki, R. *see* Minemura, H. 4—31083
Yoshizawa, A. *see* Nakano, H. 4—47678
Yoshizawa, H. *see* Kato, H. 4—58293
Yoshizawa, H. *see* Yabe, S. 4—36760
Yoshizawa, M., Kobayashi, T. Experimental and theoretical studies on colliding pulse mode locking 4—52931
Yoshizawa, M., Miyake, M., Harada, H. Deep donor levels in He implanted n-type silicon 4—30306
Yoshizawa, N., Ishihara, K., Yabuta, Y. Optical loss change of jacketed fiber caused by hydraulic pressure 4—42395
Yoshizawa, N. *see* Kawata, O. 4—38638
Yoshizawa, N. *see* Kojima, N. 4—44092
Yoshizawa, N. *see* Yabuta, T. 4—38632
Yoshizawa, S. *see* Saito, N. 4—46649
Yosida, Y. *see* Kitamura, A. 4—60624
Yosida, Z. A comparison of the algorithm on the analysis and design of a rectifier circuit of electric power supply 4—49967
Yosimura, Y. *see* Takeno, J. 4—43940
Yost, R.A. Binary, orthogonal waveform performance in combined time and frequency uncertainties 4—31840
Yotova, L. *see* Nikolova, V. 4—34869
Yotsumoto, K. Switched mode power supplies for telecommunications 4—29666
Yotsumoto, K., Fukuda, M., Muroyama, S. High quality and high efficiency power supply system 4—38163
Yotsutani, S. *see* Murashima, S. 4—59702
You, Y., Hayes, J.P. A self-testing dynamic RAM chip 4—46477
You Dajiang, Zhao Suitang Study of model HND-120 visible multi-wavelength He-Ne laser 4—31299
You Naitan The fabrication and characteristics of ultra-high purity p-type silicon detector at room temperature 4—39406
You-Tian Yin *see* Yin You-Tian
You-Wei Du *see* Du You-Wei
You-wei Zhang *see* Zhang You-wei
Youett, C. The multinationals: how comms helps BL keep its European distributors informed 4—32380
Youett, C. Oil's flow lines 4—47974
Youett, C. Utilities in comms vanguard 4—48229
Youett, C. Britain comes online [TV] 4—55018
Youett, C., Hamer, M. Comms on the line 4—38478
Youfang Ge *see* Ge Youfang
Yougang Xu *see* Xu Yougang
Yougun, H. A note on an algorithm for interpolating rationals 4—29400
Youla, D.C., Carlin, H.J., Yarman, B.S. Double broadband matching and the problem of reciprocal reactance 2*n*-port cascade decomposition 4—50880
Youla, D.C., Pickel, P.F. The Quillen-Suslin theorem and the structure of n-dimensional elementary polynomial matrices 4—46060
Yould, E.P. Alaska plans a bit switch 4—56871
Youlton, H.G. *see* Chapman, S.G. 4—30535
Youn, D.H., Chiou, S.N., Mathews, V.J. Adaptive realizations of the phase transform for time delay estimation 4—60062
Youn, D.H., Mathews, V.J. On using the short-time unbiased spectral estimation algorithm for estimating time delays and magnitude squared coherence functions 4—37973
Youn, D.H., Prakash, S. On realizations and related algorithms for adaptive linear phase filtering 4—53681
Youn, L.T.O. *see* Park, Y.M. 4—56434
Young, A. *see* Robbins, W.P. 4—52423
Young, B.S. *see* Swaney, F.J. 4—45193, 4—56492
Young, D.J. *see* Le Du, A. 4—34160
Young, D.R. *see* Feigl, F.J. 4—36344
Young, F.C. *see* Neri, J.M. 4—34801
Young, F.J. *see* Patch, L. 4—42814
Young, G.O. Radar tangential moving target indicator 4—54882
Young, G.R., Martin, J.A., Ball, J.B. A 10-GeV on 10-GeV heavy-ion collider 4—39379
Young, J.D. *see* Walton, E.K. 4—44170
Young, J.F. *see* Wisoff, P.J.K. 4—37297
Young, J.I., Schlieve, P.L. Videodisc simulation: training for the future 4—45863
Young, K. *see* Bateman, B. 4—35788
Young, K. *see* Futcher, D. 4—60452
Young, K.C. Radioisotope imaging of the heart 4—39557
Young, M. *see* Chamberlain, G.E. 4—38652
Young, M.S. Use a CRT-controller chip to mix text and graphics 4—41427
Young, N.G.S. *see* Charalambous, P.M. 4—39424
Young, P. *see* Hasbrouck, T.M. 4—40182
Young, P.E., Peebles, W.A., Luhmann, N.C., Jr., Neikirk, D., Rutledge, D., Tong, P.P. Interferometric FIR phase imaging of a Tokamak plasma 4—39344
Young, P.E. *see* Tong, P.P. 4—42968
Young, P.T. *see* Carfagno, S.P. 4—56467
Young, R.P. *see* Muckersie, J.B. 4—60451
Young, R.T. *see* Wood, R.F. 4—50088
Young, R.W. *see* Gaur, S.P. 4—36553
Young, S.W. *see* Wood, S.L. 4—44769
Young, T. *see* Brown, A. 4—34542
Young, T.Y., Wang, Y.-L. Analysis of three-dimensional rotation and linear shape changes 4—53891
Young, W.E., Dilmore, J.A. Fuel and control for an integrated fuel cell system 4—40180
Young, W.K.W. *see* Swartzlander, E.E., Jr. 4—51309
Young, W.R. An overview of CMOS technologies 4—30777
Young, W.W. *see* Davis, J.S. 4—56820
Young Kyun Choi *see* Jung Uck Seo 4—53313
Young Se Kwon *see* Sang Dae Yu 4—47167
Young Serk Shim *see* Chan Sik Hwang 4—54617
Young Soo Kim, Chul Jae Shin, Han Kyu Park A study on the peak sidelobe of the random array antenna. II. On the estimator of planar array antenna 4—47698
Young Suk Lim, Chung Yi Bae A new analysis of coupled slotlines 4—47649
Young-Ahn Kwon *see* Sung-Won-Rhee 4—49851
Young-Chul Chung, Sang-Yung Shin Fiber Raman laser and its application to measurement of optical fiber dispersion characteristics 4—47396
Young-Ki Baek *see* Jong-Keun Lee 4—62233
Young-Se Kwon *see* Jae-Won Song 4—37173
Younge, M.A. Magnetic media market rides on drive advances 4—50611
Youngquist, R.C., Brooks, J.L., Shaw, H.J. Two-mode fiber modal coupler 4—37125
Youngquist, R.C. *see* Brooks, J.L. 4—42380
Youngquist, R.C. *see* Risk, W.P. 4—52580
Youngquist, R.C. *see* Sorin, W.V. 4—53077
Youngquist, R.J. Signal processing technology for digital audio 4—55130
Younse, J.M. *see* Andrews, P.J. 4—61077
Yount, L.J. *see* Williams, J.F. 4—49416
Yourstone, W.H., Jr. *see* Emery, A.F. 4—34478
Yousif, A.M. On the computation of distortion levels in FDMA satellite communication system 4—32722
Yousif, A.M., Meylan, J. FM broadcasting. Technical and economical analysis. I 4—38781
Yousif, A.M., Meylan, J. FM broadcasting—Technical and economical analysis. II 4—44209
Yousif, N.Y., Evans, D.J. Parallel distributive partitioned sorting methods 4—50659
Youssef, F. *see* Moller, K. 4—53142
Youssef, H. *see* Azouz, L. 4—48441
Youssef, M.N. On the accuracy of forecasting telephone usage demand 4—54112
Youwei Zhou *see* Zhou Youwei
Youxi Gui *see* Gui Youxi
Youying Gu *see* Gu Youying
Youyuan Zhao *see* Zhao Youyuan
Ypma, T.J. Difference Newton-like methods under weak continuity conditions 4—57974
Ypsilantis, T. *see* Eek, L.O. 4—49069
Yu, A. *see* Madan, P. 4—58356
Yu, C., Hemmatian, M.A. Stability parameters of stable hooked-tip MOM point contact diode as MM wave and infrared detector-mixer 4—36073
Yu, C., Yekrangian, S.A., Frizzel, A.W. Discontinuous MIM film chip arrays as mm wave and infrared detector-mixer diodes 4—36072
Yu, F.T.S., Chao, T.H. Polychromatic signal detection by complex spatial filtering 4—43407
Yu, F.T.S., Chen, X.X., Chao, T.H. White-light density pseudocolor encoding with three primary colors 4—32034
Yu, F.T.S., Shaik, K.S., Zhuang, S.L. Noise performance of a white-light optical signal processor. I. Temporally partially coherent illumination 4—38043
Yu, H. *see* Shi, W. 4—46811
Yu, J. *see* Wollesen, D.L. 4—36854
Yu, K. CHMOS—the emerging VLSI technology 4—30784
Yu, K., Chwang, R., Mohsen, A. Dynamic-RAM fabrication poised for continuing C-H-MOS invasion 4—35787
Yu, K. *see* Mohsen, A. 4—51193
Yu, K.-B. An improved signal restoration method using frequency domain information 4—60115
Yu, K.-B., Zhuang, X., Haralick, R.M. Maximum entropy spectrum estimation from noisy correlation measurements 4—53729
Yu, K.-B. *see* Zhuang, X. 4—53927
Yu, K.K. *see* Kung, R.I. 4—51247
Yu, K.P. *see* Manoranjan, V.S. 4—50721
Yu, L., Kwong, K. Characteristics of induction conveyor motors in the generating mode 4—57034
Yu, L.-h. *see* Luccio, A. 4—31432
Yu, L.H. Optical klystron harmonic generator with electron microbunches induced and frozen by lasers as an intense coherent soft X-ray source 4—53083
Yu, P.K., Luk, K.M. Field patterns and resonant frequencies of high-order modes in an open resonator 4—51518
Yu, Q., Wing, O. PLMAP—a piecewise linear MOS circuit analysis program 4—42158
Yu, S.P., Eshbach, J.R. A re-examination of the solid-state travelling-wave amplifier 4—58537
Yu, T. *see* Chao, P.C. 4—58549
Yu, Y.T. *see* Gouda, M.G. 4—31812
Yu, Z., Ricco, B., Dutton, R.W. A comprehensive analytical and numerical model of polysilicon emitter contacts in bipolar transistors 4—47009
Yu Bingkun *see* He Guangsheng 4—53059
Yu Chun Hai *see* Ma Ji Liang 4—40948
Yu Chun-lian *see* Zhang Fu-gen 4—59453
Yu Er-keng *see* Bai Xiao-min 4—49517
Yu Fuju, Zhang Yueqin Effect of chemical etch on the surface of indium antimonide 4—58868
Yu Haochun *see* Yu Wenyan 4—47440
Yu Hu *see* Hu Yu
Yu Jiong *see* Shui Yong-an 4—62008
Yu Keming, Guo Wei, Sun Chengyan Analysis of laser mode based on prolate functions 4—31269
Yu Kun, Li Yongkang A 10T superconducting magnet system with a ϕ=30 mm room-temperature bore 4—37078
Yu Li *see* Li Yu
Yu Lisheng, Liu Hongxun, Chen Weixi, Wu Lei Calculation of Ga-In-P diagram and $Ga_xIn_{1-x}P$-GaAs liquid phase epitaxy 4—58017
Yu Mao *see* Mao Yu
Yu Qing-chang The mutual transformation of strip ion beams and axisymmetrical ion beams 4—44663
Yu Qingchang On the method of numerical simulation of the extracting system of an ion source with a transverse homogeneous magnetic field 4—33617
Yu Reifen Software design for linearization and temperature compensation of vibrating cylinder pressure transducer 4—33242
Yu Rongjin *see* Li Yushan 4—37151
Yu Sang Dae *see* Sang Dae Yu
Yu Songyu *see* Wei Yinan 4—47894
Yu Wenyan, Zheng Yuxia, Li Xiaoping, Yu Haochun Measurement of thermal distortion and thermal aberration reproduction time of high-power laser rod amplifiers 4—47440
Yu Yao Kun *see* Guo Liang 4—60791
Yu Yaochu *see* Chen Shuchun 4—59599
Yu Yuehua *see* Zhou Fuzheng 4—31446
Yu Zhang *see* Zhang Yu
Yu Zheng *see* Fan Hongchang 4—47231

Yu Zhenzhong, Wang Liufu, Chen Xinqiang, Shen Shouzhen, Ge Youfang, Hu Wenjun InSb photovoltaic infrared detector array with quasi-plane structure 4—61388
Yu Zhijiang *see* Wang Zheen 4—37323
Yu-fa Guo *see* Guo Yu-fa
Yu-Heng Zhang *see* Zhang Yu-Heng
Yu-Jeng Chang, Kroemer, H. Protection of an interrupted molecular-beam epitaxially grown surface by a thin epitaxial layer of InAs 4—58016
Yu-Jing Bian *see* Bian Yu-Jing
Yu-kun Feng *see* Feng Yu-kun
Yu-min Wang *see* Wang Yu-min
Yu-ming Wang *see* Wang Yu-ming
Yu-ping Sun *see* Sun Yu-ping
Yu-zhen Wang *see* Wang Yu-zhen
Yu-Zhi Li *see* Li Yu-Zhi
Yuan, C.H. Submarine cable installed to serve island 4—45116
Yuan, H., McLevige, W.V., Shih, H.D., Hearn, A.S. GaAs heterojunction bipolar 1K gate array 4—51169
Yuan, L.T. *see* Dixon, S. 4—36076
Yuan, Q.K. *see* Rottmann, H.R. 4—51954
Yuan, Y. An example of only linear convergence of trust region algorithms for non-smooth optimization 4—50674
Yuan Cailai, Le Yaokang, Zhang Jilin Effects of diluent gas on XeCl lasers 4—59401
Yuan Hailin, Jin Chengqian, Qiu Huizhu, Wang Yuanrong, Tang Hongfen Calibrator for power meters and calorimeters of high power and high energy lasers 4—61566
Yuan Qunian *see* Huang Ruiping 4—59406
Yuan Xiao-Kang On design theory of a multistage logarithmic amplifier with each stage driven sequentially 4—41208
Yuan Yiqian *see* Fei Haosheng 4—59552
Yuan Yiqian *see* Zhang Zhaixuan 4—59461
Yuan-bing Feng *see* Feng Yuan-bing
Yuan-gen Bai *see* Bai Yuan-gen
Yuan-quan Zhou *see* Zhou Yuan-quan
Yuan-yan Wu *see* Wu Yuan-yan
Yuan-zhao Yin Theoretical analysis of free electron laser amplifier 4—59366
Yuanfu Huang *see* Huang Yuanfu
Yuanlong Mo *see* Mo Yuanlong
Yuanri Cui *see* Cui Yuanri
Yuanrong Wang *see* Wang Yuanrong
Yuanshan Sun *see* Sun Yuanshan
Yuanyue Zhang *see* Zhang Yuanyue
Yuasa, K. *see* Hayashi, S. 4—62322
Yuasa, T. *see* Koori, N. 4—61685
Yuasa, Y., Ema, Y., Hayashi, T. Thin film rectifier prepared by use of co-evaporation of CdSe and Se 4—52804
Yuasa, Y. *see* Hirayama, F. 4—55996
Yuasa, Y. *see* Tsutaki, K. 4—36190
Yuba, Y. *see* Hirai, H. 4—41492
Yuba, Y. *see* Oraby, A.H. 4—30478
Yubakami, K. *see* Takashima, Y. 4—53162
Yubao Lin *see* Lin Yubao
Yuchang Gao *see* Gao Yuchang
Yuchuan He *see* He Yuchuan
Yuchun Chen *see* Chen Yuchun
Yudan Cheng *see* Cheng Yudan
Yudasaka, M., Sato, H., Kimugawa, N., Nakanishi, K. Effect of atmosphere on the photocurrent of the anthracene-indium chalcogenide systems 4—31211
Yudaska, K. *see* Yamamoto, T. 4—59145
Yudin, D.B. *see* Nemirovskiy, A.S. 4—35392
Yudin, E.E. *see* Kil'dishev, V.S. 4—40212
Yudin, L.I. *see* Mikhailov, V.G. 4—46384
Yudin, M.F. *see* Frolov, E.A. 4—39453
Yudin, M.Z. On a collective filter 4—46543
Yudin, V.V. A study of the stored energy in ferromagnetic cores 4—40513
Yudin, V.V. On equivalent transformation of a complex magnetic circuit with electric coupling loops 4—41141
Yudin, V.V. Ferromagnetic core energy intensity investigation 4—42276
Yue, A.S. *see* Zhao, S.N. 4—35458
Yue Zhen-wu *see* Wang Ren-li 4—41180
Yue-hua Chou *see* Chou Yue-hua
Yuehua Yu *see* Yu Yuehua
Yuelian Chen *see* Chen Yuelian
Yuen, H.P. On the comparative performance of coherent and direct detection optical communications 4—32822
Yuen, H.P., Chan, V.W.S. Noise in homodyne and heterodyne detection 4—44139
Yuen, J.H. *see* Divsalar, D. 4—38590
Yuen, M.F. *see* Lauks, I. 4—33232
Yuen, R.C., Huang, M.P. A 3500 gate bipolar ECL/TTL array approaching standard cell density 4—58284
Yuen, R.C. *see* Huang, M.P. 4—41293
Yuen, S.Y. *see* MacKenzie, H.A. 4—37446
Yueqin Zhang *see* Zhang Yueqin
Yueren Ma *see* Ma Yueren
Yuesen Liu *see* Liu Yuesen
Yuezhen Li *see* Li Yuezhen
Yufen Feng *see* Feng Yufen
Yufen Yan *see* Yan Yufen
Yuferev, V.S. *see* Andreev, V.M. 4—57358
Yuferev, V.S. *see* Bilenko, Yu.D. 4—30417
Yugami, N. *see* Miyamoto, S. 4—34788
Yuge, T., Sasaki, S. Train radio system using leaky coaxial cable 4—60716
Yugi Wang *see* Wang Yugi
Yugov, V.I. *see* Averin, A.P. 4—42549, 4—59390
Yuhai Mao *see* Mao Yuhai
Yuhai Tang *see* Tang Yuhai
Yuheng Zhang *see* Zhang Yuheng
Yuhua Lou *see* Lou Yuhua
Yuhuan, Xu., Chen Huanchu, Cross, L.E. Pyroelectric properties of the ferroelectric single crystal series $(K_xNa_{1-x})_{0.4}(Sr_yBa_{1-y})_{0.8}Nb_2O_6$ 4—42187
Yui, N., Nakahara, K. Development of spectral response measuring system for solar cells 4—40432
Yujing Bian *see* Bian Yujing
Yukhalova, N.I. Standardization of 8 mm video recording format 4—38879
Yuki, K., Kanaya, F., Ishikawa, H. Facsimile intelligent communication system (FICS-2) outline 4—38228
Yuki, K. *see* Yokomizo, Y. 4—48837
Yuki, Y., Saki, T. Single-mode optical fiber cable route construction techniques 4—32806
Yukimatsu, K., Fujiya, H., Ohyama, M., Tsuchida, H. Communication processing gateway switching system—hardware 4—54528
Yukimoto, Y. *see* Yoshida, S. 4—40436
Yukiya, M. *see* Tani, M. 4—62298
Yul Lee Jae *see* Jae Yul Lee
Yuldashbaev, T.S. *see* Makhsudov, A.U. 4—33721
Yuldashev, Kh.Yu., Gaiibov, T.Sh. Considerations of the functional limits on optimising daily energy-system regimes using Newton's method 4—56557
Yulish, A.N. *see* Soroka, E.Z. 4—32931
Yumei Wei *see* Wei Yumei
Yumin Wang *see* Wang Yumin
Yuming Cheng *see* Cheng Yuming
Yumoto, J., Yajima, H., Ishihara, S., Nakajima, M. Blocking oscillation in guided-wave optical bistable devices caused by photoexcited carriers 4—47295
Yumoto, J. *see* Yajima, H. 4—52548
Yun-gong Sun *see* Sun Yun-gong
Yun-qi Cheng *see* Zhang-da Lin 4—58821
Yuncai Zhang *see* Zhang Yuncai
Yundev, D.N. *see* Bazarkin, A.N. 4—59581
Yundev, D.N. *see* Lash, A.A. 4—55002
Yung-Kil Koh, Kwang-Won Lee Design and control of the half-bridge type switching regulator 4—50011
Yunhe Du *see* Du Yunhe
Yunheng Huang *see* Huang Yunheng
Yunlong Zhou *see* Zhou Yunlong
Yunmin Liang *see* Liang Yunmin
Yunqi Cheng *see* Cheng Yunqi
Yunusov, Kh.R. *see* Kondrashov, A.V. 4—62328
Yunyi Cheng *see* Cheng Yunyi
Yuping Sun *see* Sun Yuping
Yuping Wang *see* Wang Yuping
Yura, E. *see* Odaka, K. 4—48652
Yurchenko, D.S. *see* Musikhin, R.N. 4—62329
Yurchenko, S.M. *see* Namitokov, K.K. 4—37548, 4—45477
Yurke, B., Denker, J.S. Quantum network theory 4—29618
Yurman, Y. *see* Hollos, G. 4—33594
Yurmanov, V.A. *see* Tyapkov, V.F. 4—49672
Yuryshev, N.N. *see* Bashkin, A.S. 4—42551
Yuschik, M. Speech for control of VLSI graphics 4—36753
Yuschik, M. Speech filtering with parallel microcomputers 4—60011
Yuschik, M., Kobayashi, H. A VLSI digital filter band 4—58463
Yushan Li *see* Li Yushan
Yusheng Liang *see* Liang Yusheng
Yushkievich, Yu.V. *see* Latuszynski, A. 4—36447
Yushko, V.I. Generator regime of traction motors of diesel-electric locomotives 4—57451
Yushkov, Yu.G. *see* Artemenko, S.N. 4—36024
Yushun Bu *see* Bu Yushun
Yusifof, A.A. *see* Zaripov, M.F. 4—61333
Yusifov, A.A. *see* Galandarov, G.A. 4—47354
Yusubov, F.M. *see* Chirkin, A.S. 4—31493
Yuta, S. *see* Kurita, K. 4—33823
Yuta, S. *see* Ogawa, K. 4—44719
Yutang Wang *see* Wang Yutang
Yutang Ye *see* Ye Yutang
Yutani, N. *see* Denda, M. 4—39080
Yutani, T. *see* Asaeda, T. 4—57185
Yutian, W. *see* Zhou Bojun 4—46214
Yuuki, S. *see* Shimoda, H. 4—57601
Yuxia Zheng *see* Zheng Yuxia
Yuyama, T. *see* Takagi, N. 4—58216
Yuying Kang *see* Peihui Liang 4—59575
Yuying Kang *see* Kang Yuying
Yuying Zhao *see* Zhao Yuying
Yuzhakov, A.N. *see* Gordeev, V.N. 4—51067
Yuzhi Li *see* Li Yuzhi
Yuzhi Wang *see* Wang Yuzhi
Yuzhu Wang *see* Wang Yuzhu
Yuzvenko, Yu.A., Kirilyuk, G.A., Krichikov, S.Yu. A model of the melting of self-shielding cored wire 4—35068
yza Graells, J. The control of weight in the food industry 4—44624
Zabar, Z., McMurray, S., III, Karady, G., Bronner, G. A simple method for the determination of the AC side harmonic content in large converter systems 4—62637
Zabello, E.I. *see* Bondar, M.V. 4—52860
Zabello, E.P., Kondrat'ev, M.P. Single phase earth faults in 10 kV overhead transmission lines on reinforced concrete towers 4—39887
Zabielski, A. *see* Erdos, J. 4—49762
Zabil'skii, V.V., Gorkunov, E.S., Ugarova, N.I., Murakhovskii, I.M. Examination of the possibilities of magnetic inspection of the susceptibility of a two-phase ferritic-austenitic steel to embrittlement 4—50857
Zabludowski, A. A recursive method for network reliability measures evaluation 4—47982
Zaboin, V.N., Ivanov, S.N., Kulakov, V.A., Romanov, V.V. Electrodynamic characteristics of hard-brush current pick-off systems for superconducting unipolar machines 4—49835
Zabolotnykh, V.L. *see* Semenov, Yu.F. 4—39991
Zaborov, A.N., Levin, G.G. Holographic methods of visualizing mathematically specified 3-*D* objects 4—31513
Zaborsky, J., Huang, G., Chiang, L.J. Online stabilization of the large HV AC/DC power system by using observation decoupled reference as a system-wide target 4—45072
Zaborszky, J. Emergency control during stability crises by tracing the observation decoupled reference 4—39830
Zabota, I.G. *see* Ignatov, V.A. 4—57001
Zabrist, G.W. Survey of Petri net applications 4—46125
Zabrodzki, J. *see* Pawlowski, M. 4—41350
Zabrovskii, S.G. *see* Dovganyuk, I.Ya. 4—57384
Zabyshnyi, A.I. *see* Demisov, D.S. 4—41563
Zaccanti, G. *see* Bruscaglioni, P. 4—31677
Zacchi, S.A. *see* Taneja, I.J. 4—47775
Zach, F.C., Berthold, R.J., Kaiser, K.H., Topuzoglu, E.D. Automatic online optimization of microprocessor controlled AC motor drives 4—57429
Zach, F.C., Ertl, H. Efficiency optimal control for AC drives with PWM inverters 4—57428
Zach, F.C., Thiel, F.A. Pulse width modulated (PWM) inverters for efficiency optimal control of AC drives—switching angles and efficiency/loss profiles 4—49979
Zacharatos, J. *see* Whittaker, N. 4—32757
Zachariah, E.J., Vasudevan, K., Pravinkumar, P.A., Mohanan, P., Nair, K.G. Design, development and performance evaluation of an anechoic chamber for microwave antenna studies 4—31767
Zachary, L.W. Quantitative use of Rayleigh waves to locate and size subsurface holes 4—29556
Zachary, W.W. Instability of relativistic-electron helical trajectories in combined uniform axial and helical wiggler magnetic fields 4—42771
Zachau-Christiansen, B. *see* Atlung, S. 4—50026
Zack, R. *see* Finger, G. 4—50855
Zackrison, H.B., Jr. Design techniques save lighting energy in a commercial kitchen 4—35038
Zackzek, J. *see* Szendzielorz, A. 4—49600
Zaderenko, V.A. Device for electrical circuit monitoring 4—44557
Zadiranov, Yu.M., Korol'kov, V.I., Nikitin, V.G., Ponomarev, S.I., Rozhkov, A.V. Pulse thyristors based on GaAs-AlGaAs heterostructures 4—36571
Zadiranov, Yu.M. *see* Andreev, V.M. 4—31238
Zadirienko, I.M., Kuz'menko, A.G. Synthesizing the electrical excitation of an asymmetrically radiating sectional bar transducer 4—62011
Zadneprovskii, P.V. *see* Pentegov, I.V. 4—35069
Zadorozhnaya, L.A. *see* Givargizov, E.I. 4—29486
Zadorozhnii, V.I. *see* Shchutskii, V.I. 4—62166
Zadorozhnyi, B.G. *see* Vaganova, M.Yu. 4—58484
Zadorozhnyi, N.A. *see* Zemlyakov, V.D. 4—62723
Zadorozhnyi, V.I., Fedorchenko, A.M. Parametric generation in electron beams 4—52859
Zadworny, F. *see* Delaunay, M. 4—61649
Zafar, M.S. *see* Arif, Z. 4—59527
Zafar, N. *see* Joseph, J.D. 4—60276
Zafar, N. *see* Vu, T.T. 4—29781, 4—35746
Zaganyan, Yu.I., Mar'yanova, I.I., Ivashchuk, I.M., Kutrakov, A.P., Polishchuk, O.A. Semiconductor transducer for measurement of low pressures with universal strain module [engine testing] 4—39156
Zagar, D.M. *see* Mendel, C.W. 4—55806
Zaghloul, M.S., El-sharkawy, A.-W.A. Anomalous magnetoresistance of *n*-type germanium at 77K and 313K 4—58718
Zagirnyak, M.V., Branspiz, Yu.A. Evaluation of the ponderomotive magnetic force in a field analysis by conformal transformation 4—37551
Zagorodnikov, M.P. *see* Puzakov, V.V. 4—45797
Zagorska, M. *see* Przyluski, J. 4—31042
Zagorski, R.D. *see* Iliev, N.B. 4—58614
Zagorskii, Ya.T. Analysis of temperature-dependent compensation for error at the output of a series-parallel mixer using MOS transistors 4—58211
Zagorskii, Ya.T., Kotyuk, A.F., Kuznetsov, A.A., Levi, A.M. OSIE standard means of measuring pulsed laser emission 4—53040
Zagorskii, Ya.T. *see* Kotyuk, A.F. 4—53039

Zagoruiko, V.A. *see* Andreev, E.M. 4—41035

Zagrebnov, V.A. The approximating Hamiltonian method for an infinite-mode Dicke maser model with A^2-term 4—37247

Zagyanskii, A.I. Determining the size of a network enterprise [distribution networks] 4—39867

Zah, C. *see* Rav-Noy, Z. 4—44447

Zaharescu, A., Bozas, F., Hagiescu Miriste, B., Murgu, M., Patriciu, A., Negru, C. Automatic digital tensometric instrumentation, with up to 1000 measurement points, realised with a microprocessor 4—33125

Zaharia, G. *see* Munteanu, V. 4—29748

Zaharia, I. *see* Goras, L. 4—33833

Zahariev, N.S. *see* Vuleva, E.A. 4—29274

Zaharija-Tiska, D. *see* Saban, J. 4—56753

Zahavi, J. *see* Levin, N. 4—45005

Zahir, S.S. *see* Sherif, Y.S. 4—60638

Zahle, U. Sets and measures of fractional dimension 4—50625

Zahn, M. Charge injection and transport in a lossy capacitor stressed by a Marx generator 4—58560

Zahn, M., Rhee, S.W. Electric field effects on the equilibrium and small signal stabilization of electrofluidized beds 4—31611

Zahn, M., Shumovich, R. Labyrinthine instability in dielectric fluids 4—52318

Zahn, M., Takada, T., Ohki, Y., Gottwald, J. Charge injection and transport analysis and measurements in highly purified water [dielectrics] 4—52316

Zahn, M. *see* Gasworth, S.M. 4—30856, 4—30857

Zahn, R. Electret transducers with point-supported membranes and combinations of circular with annular membranes 4—55081

Zahnd, J. *see* Piguet, C. 4—51132

Zahorjan, J. The distribution of network states during residence times in product form queueing networks 4—47924

Zaichik, L.I. *see* Demin, E.A. 4—33274

Zaidman, S.Sh. *see* Vorob'ev, A.S. 4—57297

Zaikin, B.M. *see* Genis, E.A. 4—51531

Zaiko, Yu.N. Absorption of a pulse traveling in a waveguide 4—51509

Zaima, S., Adachi, H., Shibata, Y. Promising cathode materials for high brightness electron beams 4—36178

Zaionchkovskii, A.Ya. *see* Vendik, O.G. 4—55433

Zaitsev, E.F. *see* Babenko, A.I. 4—31784

Zaitsev, G.V., Zinov'ev, V.A., Semakov, N.V. Minimum-check-density codes for correcting bytes of errors, erasures, or defects 4—43122

Zaitsev, L.F. *see* Borovikov, A.A. 4—39474

Zaitsev, L.I. *see* Arzamastsev, D.A. 4—56585

Zaitsev, S.G. *see* Eshel'kin, V.M. 4—57117

Zaitsev, S.S., Kravtsunov, M.I. Experimental file transfer system 4—32477

Zaitsev, S.V., Chekan, A.V., Shirkovskaya, A.O. Waveguide-interference measurements of smooth changes in thickness for thin dielectric nonwave conducting layers 4—61512

Zaitsev, V.V., Tyapukhin, P.V. Internal noise of a travelling-wave transistor amplifier 4—41222

Zaitsev, Yu.A, Zubkov, Yu.S. A method for selection and storage of a signal in multichannel digital voltmeters 4—33342

Zaitseva, A.K. *see* Zhidkova, E.V. 4—62700

Zaitseva, N.V. *see* Sul'kin, G.A. 4—33860

Zaitsevskii, J.L. *see* Konakova, R.V. 4—46628

Zaixuan Zhang *see* Zhang Zaixuan

Zaiying Jiang *see* Jiang Zaiying

Zajac, J. *see* Horak, J. 4—45053

Zajac, M.L. *see* Beffel, R.R. 4—32585

Zajicek, O. *see* Ebeling, C. 4—36781

Zak, M.E. *see* Vakhalin, V.A. 4—62629

Zak, M.J. Charting the waters [LANs] 4—32332

Zakaryan, A.S., Rabinovich, G.I. Thermal design of spherical xenon lamp cathodes 4—40588

Zakatov, L.P. *see* Dolgachev, G.I. 4—51730

Zakharchenya, B.P. *see* Agrinskii, P.V. 4—42741

Zakharchuk, N.F. *see* Belyi, V.I. 4—30552

Zakharenkov, L.F., Zykov, A.M., Romanov, V.V., Samorukov, B.E. Behavior of manganese in indium phosphide 4—58855

Zakharenkov, L.F. *see* Dmitriev, A.G. 4—30418

Zakharevich, N.I. *see* Vendik, O.G. 4—55433

Zakharia, M.E Relationship between Paley-Wiener theorem and the stationary phase method 4—60100

Zakharov, A.A. *see* Siukaev, A.V. 4—39957

Zakharov, A.A. *see* Snukaev, A.V. 4—56704

Zakharov, I.P. Experimental determination of dynamic characteristics of aperiodic measuring convertors 4—33218

Zakharov, I.S. *see* Shirokov, A.A. 4—30435

Zakharov, S.I. Combining dependent channels for detection of a random signal against a noise background with an unknown correlation matrix 4—31979

Zakharov, V.A., Babkin, S.E. Primary transducer block for a magnetic curve tracer 4—33271

Zakharov, V.P., Kokhman'skiy, S.S., Kulish, V.V. Phase discrimination effect of electromagnetic signals in modulated relativistic electron beams 4—51706

Zakharov, V.P., Kulish, V.V. Concerning the effect of cascaded increase in the frequency of transverse electromagnetic waves in electron streams 4—46767

Zakharov, Yu.A. *see* Kochev, V.M. 4—39318

Zakharov, Yu.I. *see* Barabanov, I.R. 4—33722, 4—39454

Zakhar'yash, V.F., Klement'ev, V.M., Nikitin, M.V., Timchenko, B.A., Chebotaev, V.P. Absolute measurement of the frequency of the *E*-line of methane 4—52916

Zakhar'yashchev, L.I., Alymov, V.N., Vasil'ev, E.P. Super-wide band switching module based on herkon in microwave range 4—30160

Zaki, M., Elboraey, F. Processing of inverted files in magnetic-bubble memories 4—42282

Zakirov, A.S. *see* Vakhabov, D.A. 4—30314

Zakladnoi, A.N. *see* Chermalykh, V.M. 4—62727

Zakowicz, W. Low loss metallic waveguide for transmission of optical radiation 4—37116

Zakruzhnyi, E.G. Results of measurements and computations of parameters of the high frequency path along a singly grounded double circuit 220 kV overhead power line 4—38425

Zakrzewski, Z. *see* Winiarski, B. 4—49971

Zakurdaev, N.V. *see* Kuzyakin, Yu.I. 4—32467

Zaky, S.G., Vranesic, Z.G., Sanwalka, A., Loucks, W.M., Hamacher, V.C. The TORNET local area ring 4—32415

Zakzouk, A.K.M., Mujahid, A., El-Shobokshy, M.S. Performance evaluation of photovoltaic silicon cells under concentrated sunlight 4—34881

Zalar, B., Matasic, J. Special facilities of the system ETC 960 4—48345

Zalatilova, P. *see* Geronov, Y. 4—40378

Zaleski, A.J., Foner, S. High field performance of superconducting magnets using powder metallurgy processed Cu-Nb-Sn and Nb-Al 4—42305

Zalewski, J., Janiak, W., Wozniczko-Kadela, W., Bednarski, A. New insulating liquids for capacitors, cables and transformers 4—42201

Zalogin, N.N. *see* Kalinin, V.I. 4—51711

Zaman, A.J.M., Gardner, C.G., Long, S.A. Change in impedance of a single-turn coil due to a flaw in a conducting half space 4—29554

Zaman, A.J.M., Long, S.A., Gardner, C.G., Richards, W.F. The change in impedance of a single-turn coil due to a flaw in a coaxial conducting cylinder 4—30137

Zamani, M., Charalambous, S. The response of CR-39 to gamma radiation 4—55895

Zamani, M., Zioutas, K., Charalambous, S. Alphas emission from π^- absorption in Li using CR-39 4—55951

Zamarro, J.M. *see* Villalba, C.R. 4—46604

Zamfir, P. *see* Bacauanu, M. 4—48665

Zamfirescu, C.M. *see* Imrich, W. 4—50663

Zamkovoi, A.S. An approximate estimation of the influence of finite conductivity on the wavelength of a uniformly twisted rightangled waveguide 4—42915

Zamorano, P. The design of low, high and band pass filters 4—51395

Zamperioni, P. The segmentation of pictures depending on models 4—32062

Zana, L.M., Kerslake, W.R., Sturman, J.C., Wang, S.Y., Terdan, F.F. LeRC rail accelerators: test designs and diagnostic techniques 4—42806

Zanarini, G. *see* Alberigi Quaranta, A. 4—33715

Zander, H. Fundamentals and methods of digital audio technology. II. Sampling process 4—59935

Zander, H. Basics and methods of digital audio technology. I. Introduction, advantages and disadvantages of digital audio-technology 4—61149

Zanello, D. *see* Bertino, M. 4—61694

Zanello, L. *see* Bizzarri, R. 4—55976

Zanetti, O. *see* Gambino, G. 4—29202

Zanevskii, Yu.V. *see* Abdushukurov, D.A. 4—61700

Zanichovskaya, L.V., Karpinskii, N.P., Kochan, V.A., Lysyi, V.A. Voltage fluctuation meter for lighting mains 4—45189

Zankel, K. *see* Beer, A. 4—61682

Zannoli, R. *see* Lamberti, C. 4—49272

Zannoli, S. MACSYM. Towards a system of measurement and control on a single chip 4—35850

Zannoli, S. Status of the standard of time and frequency: rubidium and hydrogen masers 4—48986

Zannoli, S. Toshiba: direct presence in Italy with a vast range of products 4—50249

Zannoli, S. Remote control and data dumping with the NPC-764 4—55174

Zannoli, S. New VLSI components 4—58365

Zannoli, S. Soldering microcomponents 4—58619

Zannoli, S. New ionic lasers 4—59396

Zannoli, S. Processing waveforms with a colour digital oscilloscope 4—61199

Zannoli, S. *see* Campbell, J. 4—58363

Zannoli, S. *see* Misherghi, A.H. 4—48297

Zannoli, S. *see* Sakai, T. 4—61201

Zanobetti, D. Simulators of nuclear power stations 4—34360

Zanoni, E. *see* Canali, C. 4—29799

Zanoni, E. *see* Fantini, F. 4—29298, 4—58883

Zanotti, L. *see* Bellotti, E. 4—33635

Zant, P.van *see* van Zant, P.

Zao Jiran *see* Gao Fuyuan 4—31470

Zapalowski, L., Fiddy, M.A., Leeman, S. On the Born Rytov controversy 4—53944

Zapata, R.N. *see* Friedel, H.N. 4—32561

Zapel, G. *see* Dosch, M. 4—43881

Zapesochnyi, I.P. *see* Fuchko, V.Yu. 4—53036

Zapka, W. *see* Behringer, U. 4—52202

Zapka, W. *see* Bohlen, H. 4—51953

Zapka, W. *see* Pokrowsky, P. 4—53118

Zapol'skii, A.G., Punkevich, V.S., Danilov, V.V. Programmer for LSI PROM circuits [circuit assembly application] 4—51641

Zapparoli, G. *see* Tommasino, L. 4—55926

Zappe, H.H. Josephson computer technology—an overview 4—29810

Zappe, H.H. Soliton-to-level converter 4—51504

Zappe, H.H. *see* Rajeevakumar, T.V. 4—46430, 4—47219, 4—51212

Zappe, H.P. *see* Troutman, R.R. 4—36838

Zaragoza, M. *see* Mittal, S. 4—57847

Zarand, P., Polgar, I. On the relative standard deviation of TLD systems. Experimental verification of a theory 4—56223

Zarbaliev, M.M. *see* Godzhaev, E.M. 4—30374

Zarcone, M. *see* Cocorullo, G. 4—34892

Zardini, C., Pistre, J.-D., Rodes, F., Aucouturier, J.-L. Use of thick film copper technology for high power hybrid circuits 4—30232

Zare, R.N. *see* Rettner, C.T. 4—59590

Zaretskii-Feoktistov, G.G. *see* Voronova, M.T. 4—58097

Zarif'yants, Yu.A. *see* Gordeev, S.N. 4—46830

Zaripov, M.F., Akhrarov, N.A., Mamedov, F.I., Yusifof, A.A. Analysis of a multiturn inductive transducer 4—61333

Zarling, J.P., Aspnes, J.D. Low-grade geothermal energy conversion by organic Rankine cycle turbine generator 4—40146

Zarnescu, H.V. *see* Ijac, Gh. 4—40223

Zarnescu, S. Look-up table allows EPROM mix 4—35791

Zaroslov, D.Yu. *see* Atanasov, P.A. 4—52917

Zaroslov, D.Yu. *see* Valiev, K.A. 4—51673

Zarschizky, H., Lauterborn, W. The use of speckle statistics for the segmentation of pictures in real hologram reconstructions 4—38057

Zaruba, I.I., Andreev, V.V., Latanskii, V.P., Kukharskii, V.Ya. Economic effectiveness of multi-machine power supply for arc welding 4—45783

Zarubin, L.I. *see* Aleinikov, A.B. 4—46804

Zarubin, L.I. *see* Vainberg, V.V. 4—30311

Zasavitskii, I.I., Matveenko, A.V., Matsonashvili, B.N., Trofimov, V.T. Kinetics of the photoconductivity of $Pb_{1-x}Sn_xTe$:In 4—47331

Zaskalko, O.P. *see* Zhukov, N.N. 4—42548

Zasypkin, A.S. Synthesis of an adder for single system transformer protection 4—40300

Zasypkin, A.S., Rogachevskii, V.I. On applicability of the differential phase principle to relay protection of autotransformers 4—40286

Zatezalo, M.D. The method of calculating grounding band in the homogeneous soil, with programmable calculator TI-59 4—39919

Zatonski, J. History of the incandescent and gas discharge lamps 4—62795

Zatsepin, N.N. *see* Kozharinov, V.V. 4—58093

Zatserkivnyi, Z.A. *see* Grinevich, F.V. 4—55443

Zatykin, A.A., Morshnev, S.K., Frantsesson, A.V. Interaction of radiation with an absorbing medium in a section of a sharply bent fiber waveguide 4—42390

Zauzolkov, I.V. *see* Puzakov, V.V. 4—45797

Zavada, J.M., Jenkinson, H.A., Wilson, R.G., Sadana, D.K. Hydrogen implantation into gallium arsenide: range and damage distributions 4—51978

Zavadtsev, A.A., Zverev, B.V., Sobenin, N.P. Experimental study of an accelerating waveguide structure for a 3-TeV accelerator/storage ring facility 4—39386

Zavarin, A.N. Use of a priori information in nonparametric estimate distribution density 4—40920

Zavidov, S.V. *see* Mandel'berg, S.L. 4—62844

Zavislan, J.M. *see* Eastman, J.M. 4—61592

Zavitz, H.J. *see* Roy, W.S. 4—60663

Zavodinskii, V.G. *see* Kaverina, I.G. 4—41058

Zavorin, A.N. The use of nonlinear methods to calculate transients in electric circuits 4—50925

Zavracky, P.M., Morrison, R.H. Electrically actuated micromechanical switches with hysteresis 4—58594

Zav'yalov, E.E., Zuev, V.I., Lapshin, A.V. A model of magnetic core switching processes with regard to a reversible component 4—42277

Zav'yalov, M.A. *see* Perevodchikov, V.I. 4—34757

Zawadzki, W. *see* Grabecki, G. 4—51910

Zawadzki, W. *see* Lassnig, R. 4—51847

Zayakin, A.A., Klimovskii, I.I. Relaxation of the concentration of metastable copper atoms in the afterglow of a CuI laser with a supraoptimal wall temperature 4—31326

Zayezdny, A. *see* Kazovsky, L. 4—37947

Zaykova, V.A. *see* Shur, Y.S. 4—42278

Zaytsev, E.F., Yavon, Yu.P. Parameters of a radiating slot, cut in the wall of a nonreciprocal waveguide 4−31768

Zaytsev, G.F., Britskiy, A.I. Optimization of a pulse-width modulating automatic control system of an arc-stator asynchronous motor in the case of large pulse duration 4−62533

Zbarskii, L.A. *see* Brainin, E.I. 4−34586

Zbasnik, H.J. Programmable controllers application in a large generating station 4−49735

Zbikowski, T. How to cure PTF inks to make them better 4−41726

Zbontar, T., Kaifez, D., Butler, C.M. Use of the fractional linear curve-fitting procedure for measurement of feed-through capacitance 4−46651

Zbyrad, S. Application of fibre-optic cables to the E-10 network system 4−43892

Zdanovich, I.A. Methods of estimating the economic performance from metrological support to organizations 4−33091

Zdanowicz, T. *see* Buczkowski, A. 4−40456

Zdanowicz, W. *see* Kloc, K. 4−41039

Zdasiuk, G. *see* Aebi, V. 4−42045

Zdebel, P.J., Engl, W.L. Merged-current-mode logic 4−51171

Zdeblovskii, V.A. *see* Gorskii, A.N. 4−62628

Zdobnikov, A.Yu., Kislovskii, L.D., Kol'tsov, G.I., Tikhonova, O.V. Use of infrared reflection spectra to investigate ion-doped layers of InSb crystals 4−30515

Zdzieborski, J.H.G., Neustadter, R.P., Panzarino, N.M. Computerized radiation data acquisition and management system at Seabrook 4−45233

Zean Ding *see* Ding Zean

Zebroski, E.L., Wilkinson, C.D., Rosen, S.L. INPO program for use of operating experience and support of NUTACs 4−49675

Zecchini, P. *see* Merigoux, H. 4−35564

Zech, L. TV-contrast enhancement methods for chromosome analysis 4−61784

Zechikhin, V.S., Starovoitova, N.P. Harmonic analysis of active zones of generators with rare-earth permanent magnets 4−45408

Zediker, M., Miley, G.H. Design of a nuclear pumped heat pipe for a gas dynamic CO_2 laser 4−31338

Zediker, M.S., Shannon, D.C., Elsayed-Ali, H., Miley, G.H. The decay of $O_2(^1\Delta)$ generated by nuclear pumping in a flowing Ar-O_2 mixture 4−31337

Zegenhagen, J. *see* Krolzig, A. 4−33775

Zegers, P. *see* Ehringer, H. *(editor)* 4−40712

Zeheb, E., Hertz, D. A unified approach to root distribution with respect to parabolas, ellipses, and hyperbolas 4−50881

Zeheb, E. *see* Feinstein, J. 4−40901

Zeheb, E. *see* Hertz, D. 4−40902

Zehetmayer, A. Specifications for functions in a SPC system Stored Program Control 4−54523

Zehl, O. *see* Bonney, R. 4−59284

Zehl, O. *see* David, T. 4−52727

Zehner, B. *see* Ulbrich, W. 4−51469

Zehner, S.P. *see* Williamson, F.R. 4−54879

Zeiger, A., Jassby, K. Measurement of acoustoelastic coefficients of Rayleigh waves in steel alloys 4−58073

Zeiger, M. PMMI's MM-VT1 [telephone answerer] 4−38347

Zeigman, L.L., Leonov, V.V. Instrument for checking PPLL-2 engraved straightedges 4−33475

Zeilicovici, C. *see* Gheorghe, A. 4−56522

Zeiliger, A.N., Kuznetsova, O.N., Faibisovich, D.L. Allowing for the restricted resources of nonferrous metal in technical-economic validation calculations for electric networks 4−62209

Zeilikovich, I.S. *see* Anufrik, S.S. 4−37340

Zein, D.A. *see* Odeh, F.M. 4−35570

Zeinalov, A.D. *see* Lachugin, V.F. 4−39905

Zeisse, C.R. *see* Lile, D.L. 4−30769

Zeisse, C.R. *see* Messick, L. 4−35763

Zeitler, K.-H. *see* Auracher, F. 4−35696

Zeitlin, A.D. Development of threat logic for airborne TCAS 4−49409

Zeitzoff, P.M. *see* Anagnostopulos, C.N. 4−59047

Zejdel, A. *see* Sonta, S. 4−43647

Zekeriya, V., Ma, T.-P. Effect of stress relaxation on the generation of radiation-induced interface traps in post-metal-annealed Al-SiO_2-Si devices 4−51880

Zelaya, A. *see* Iglesias, G.E. 4−39233

Zelby, L.W. Guidelines for planning model for long-range energy policy 4−29186

Zel'dovich, B.Ya., Lerner, P.B. Energy exchange between waves during recording and reconstruction in holographic media with a lasing response 4−31522

Zelenev, Yu.V. *see* Danilyuk, V.S. 4−61284

Zelenina, N.K., Maslova, L.V., Matveev, O.A., Tomasov, A.A. Potential barrier in metal-semiconductor-metal structures based on cadmium telluride 4−46891

Zelenokhat, N.I. *see* Venikov, V.A. 4−44995

Zelenovskii, Yu.E., Kravchenko, V.V., Sorokin, S.B. System providing access from terminals to remote dialog applied software packages in computer networks 4−32478

Zelenyanszki, E. *see* Bognar, A. 4−56648

Zelenyanszky, E., Kohalmy, S., Pinterics, Z. Computation of electric fields at higher speed 4−53136

Zelikson, D.L. *see* Reshidov, I.K. 4−55736

Zelinger, R. *see* Gover, A. 4−52842

Zelinka, J. *see* Novotny, J. 4−30328

Zeljko, M. *see* Granic, G. 4−45029

Zeller, B. Opportunities for concentrated Btx moves in the tourism sector 4−54301

Zeller, Ch., Abstreiter, G., Ploog, K. Resonant tunneling in doping quantum well structures 4−58783

Zeller, E.A., Gebhart, D.L., Stephens, F.S. Determining the effects of stripping procedures on stator cores 4−40217

Zeller, H.R., Pfluger, P., Bernasconi, J. High-mobility states and dielectric breakdown in polymeric dielectrics 4−59055

Zeller, H.R., Schneider, W.R. Electrofracture mechanics of dielectric aging 4−52323

Zellweger, R. Curve fitting with experimental data 4−35424

Zeltsburg, B.A. *see* Karamyan, S.G. 4−43920

Zeman, H.D., Hughes, E.B., Campbell Finman, L., Hofstadter, R., Hudson, A., Otis, J.N., Rolfe, J., Rubenstein, E., Harrison, D.C., Kernoff, R.S., Thompson, A.C., Brown, G.S. Evaluation of synchrotron X-rays for transvenous coronary angiography 4−56094

Zeman, H.D., Hughes, E.B., Otis, J.N., Rolfe, J., Thompson, A.C. Rotating X-ray collimating slit for line-scan dual-energy medical imaging 4−39537

Zeman, H.D. *see* Otis, J.N. 4−39544

Zeman, H.D. *see* Thompson, A.C. 4−56095

Zeman, R., Ho, C., Chang, T. A 55 ns CMOS EEPROM 4−51231

Zemanek, J. Central storage and transmission 4−32250

Zemanek, Z. Evaluation of a holographic interferogram of a two-dimensional temperature field in water 4−53099

Zemanian, A.H. A classical puzzle: the driving-point resistances of infinite grids 4−29605

Zemanian, A.H. The driving-point immittances of infinite cascades of nonlinear three-dimensional networks. I. Uniform cascades and characteristic immittances 4−46315

Zemanian, A.H. The driving-point immittances of infinite cascades of nonlinear three-dimensional networks. II. Nonuniform cascades 4−46316

Zemchenok, L.I., Khodykin, V.N. Metrological support to monitoring shape and position deviations for the surfaces of precision units 4−33477

Zemel, E. An O(n) algorithm for the linear multiple choice Knapsack problem and related problems 4−35398

Zemin Chen *see* Chen Zemin

Zemlevskii, L.A. A torch for automatic gas shielded welding with an immersed arc using a consumable electrode 4−40655

Zemlicka, J. *see* Blecha, Z. 4−30545

Zemlyakov, V.D., Zadorozhnyi, N.A. On damping of elastic electromagnetic signals by a DC drive 4−62723

Zemskii, V.I. *see* Grekhov, I.V. 4−39184

Zemskov, A.A. *see* Eperin, A.P. 4−45224

Zemskov, B.G. *see* Gavrilov, B.M. 4−55329

Zemskov, G.G., Semko, A.I., Boldyrev, A.V., Tsukanov, S.V., Natkovich, V.Z. Automated optical inspection of the internal contour of the bluff section of an aircraft spar 4−29283

Zemskov, K.I., Mazaryan, M.A., Matveev, V.M., Petrash, G.G. Investigation of the characteristics of negative images in optical copper vapor systems with image amplifiers 4−42555

Zemskov, V.S., Raukhman, M.R., Barmin, I.V., Senchenkov, A.S., Shul'pina, I.L., Sorokin, L.M. Special features of solidification of alloyed single crystals of indium antimonide in zero gravity conditions 4−29441

Zemskov, V.S., Strel'nikova, I.A. Behavior of Sn in GaSb solid solutions of the system GaSb-InSb 4−41836

Zen, M. *see* Bassi, D. 4−33121

Zen-Fong Wan *see* Wan Zen-Fong

Zeng Jikan *see* Zhou Fuzheng 4−31446

Zeng Jing *see* Wang Shutang 4−46215

Zeng Peiwei *see* Xu Fengzhi 4−52491

Zeng Xian-Fu *see* Xian-Fu Zeng

Zeng Xianzhang, Zhu Xunsheng An approach to a kind of multi-objective combination optimization 4−57286

Zeng Yongjian *see* Zhou Zhenzhuo 4−59399

Zeng-gui Chen Self-consistent large-signal calculation on the gyrotron-TWA 4−46358

Zenger, C. Positivity in complex spaces and its application to Gershgorin discs 4−46065

Zengpeng Hu *see* Hu Zengpeng

Zenkel, D. *see* Rosenthal, W. 4−40530

Zenkel, D. *see* Schonfeld, R. 4−57090

Zenker, P. Optimising the major factors influencing district heat supply in Oberhausen 4−62356

Zenkin, A.I., Leont'ev, V.K. On one non-classical pattern recognition problem 4−47920

Zennaro, M. Maximum principles for linear difference-differential operators in periodic function spaces 4−35446

Zennaro, M. *see* Bellen, A. 4−41018

Zenone, B. *see* Patangia, H.C. 4−41508

Zentai, G., Illyefalvi-Vitez, Z. Analysis of thin film fire sensors 4−55395

Zentai, Gy., Pogany, L. Temperature and substrate dependence of the morphology of glow discharge deposited a-Si:H 4−29540

Zentgraf, L. *see* Fleig, O. 4−62646

Zentner, J.C. *see* Saran, G.S. 4−37523

Zenxin Gui *see* Gui Zenxin

Zenya, A.D. *see* Tyrsa, V.E. 4−33410

Zepkin, N. *see* Rhodes, W.T. 4−42413

Zequeira Valdes, M. *see* Cerdeira Altuzarra, A. 4−35784

Zerbes, H.P. *see* Bratoljic, T. 4−45421

Zernicki, E. *see* Bem, D.J. 4−48979

Zervos, N.A., Pasupathy, S., Venetsanopoulos, A.N. Approximate maximum likelihood sequence estimators for time dispersive channels 4−31822

Zerwekh, P.S. *see* Shah, M.L. 4−52735

Zetterberg, L.H., Ericsson, S., Couturier, C. DPCM picture coding with two-dimensional control of adaptive quantization 4−47901

Zetterberg, L.-H. *see* Encarnacao, J. 4−32412

Zetzmann, W. *see* Zimmer, G. 4−36915

Zevnik, C., Noe, I., Zibert, S., Artac, M. One-side printed board with selectively gilded contact surfaces inside the boards 4−46696

Zevnik, C. *see* Metikos-Hukovic, M. 4−35523

Zexiang Chu *see* Chu Zexiang

Zexing Chen *see* Chen Zexing

Zeyezdny, A.M. *see* Plotkin, E.I. 4−47733

Zeyi Wang *see* Wang Zeyi

Zezun Chen *see* Chen Zezun

Zezyul'kin, G.G., Pishchikov, V.I., Chuguev, Yu.M. Impulse model of a dependent parallel current-inverter 4−57155

Zezyul'kin, G.G. *see* Shipillo, V.P. 4−57153

Zha Ming Zheng *see* Ming Zheng Zha

Zhabotinskii, M.E. *see* Aleksandrov, I.V. 4−37139

Zhadaev, A.G. *see* Malchanov, A.A. 4−30681

Zhadan, V.G. *see* Yevtushenko, Yu.G. 4−35390

Zhaixuan Zhang *see* Zhang Zhaixuan

Zhan Jintang *see* Zheng Wenxin 4−47648

Zhan Suzhen *see* Zheng Guangfu 4−31380

Zhang, B., Scott, D.M., Wieder, H.H., Lau, S.S., Tseng, W.F. Contact properties of tantalum-silicon films on *n*- and *p*-type InP 4−36329

Zhang, D.-K. *see* Parker, D.L. 4−59009

Zhang, G.D. *see* Hu, J.S. 4−59632

Zhang, H.L., Ying, C.F., Li, M.X. Direct wave and edge waves radiated by a circular thickness-mode transducer into a solid medium 4−52369

Zhang, J. *see* Fujimori, H. 4−36998

Zhang, J. *see* Rosenzweig, J. 4−41856

Zhang, Q., Li, Z. Copy theory and several problems on Walsh functions 4−37855

Zhang, X., Freyer, J. 0.7 W single-drift GaAs IMPATT diodes for millimetre-wave frequencies 4−36036

Zhang, X. *see* Chen, X. 4−38662

Zhang, X.N., van der Ziel, A. Correlation between thermoelectric $1/f$ noise and current $1/f$ noise in intrinsic germanium 4−30310

Zhang, X.N., van der Ziel, A., Duh, K.H., Morkoc, H. Burst and low-frequency generation-recombination noise in double-heterojunction bipolar transistors 4−52073

Zhang, Y. *see* Neirynck, J. 4−51423

Zhang, Y.W., Cai, L.Z. Point spread and transfer functions for the rainbow holographic process 4−42727

Zhang, Y.Z., Rayner, P.J.W. Minimisation of Reed-Muller polynomials with fixed polarity 4−57967

Zhang, Z. *see* Metzger, M. 4−36456

Zhang, Z.X., Janzen, G., Muller, G., Schuller, P.G., Thumm, M., Wilhelm, R., Erckmann, V. Mode analysis of gyrotron radiation by far field measurements 4−36199

Zhang Ai-zhen *see* Wang Yang-yuan 4−52006

Zhang Bao-lin A theorem on cubic spline interpolation 4−57958

Zhang Baofu *see* Zou Haixin 4−53049

Zhang Chaojun *see* Yang Meixiao 4−60808

Zhang Chunping *see* Ba Enxu 4−52887

Zhang Cun-Quan Optimal alphabetic binary tree for a nonregular cost function 4−50654

Zhang Cunhao *see* Hu Shiheng 4−37319

Zhang Cunhao *see* Sha Guohe 4−37316

Zhang Dake, Zhang Zhengxian, Fu Shufen, Jianwen Chen XeCl excimer laser using liquid as chlorine donor 4−59412

Zhang De, Shui Yong-an, Jiang Wen-hua, Liu Yan A surface leaky wave resonator with low insertion loss and small dimension 4−59111

Zhang De *see* Shui Yong-an 4−62008

Zhang Dianlin, Lin Shuyuan A square-wave method for measuring very low resistances at low temperatures 4−48987

Zhang En-Qiu On the emission mechanism of oxide cathodes 4−30243

Zhang Fang-qing *see* Wang Yin-yue 4−52087

Zhang Fu-gen, Yu Chun-lian, Miao Hai-ping, Yang Chen-guang White light dye laser 4−59453

Zhang Guan-quan Various types of double sweep methods and their stability 4—57983
Zhang Guangming A power supply with a floating bridge converter 4—58133
Zhang Guangyin The TEM_{00}-thermoinsensitive cavity with several thermoperturbing centers 4—37404
Zhang Gui-lan *see* Li De-lin 4—41845
Zhang Guifen A LiF:F2$^-$ crystal Q-switched Nd:glass laser 4—31349
Zhang Guifen LiF:F_2^- colour center laser 4—59478
Zhang Hai-Lan *see* Ying Chong-Fu 4—47147
Zhang Hanping *see* Huang Zhengping 4—61357
Zhang Hong *see* Yi Changlian 4—37046
Zhang Hong-jun, Dai Jian-hua, Wang Peng-ye, Jin Chao-ding, Narducci, L.M. Bifurcations and chaotic behavior in liquid crystal hybrid optically bistable devices 4—52711
Zhang Hongfen *see* Jin Linfa 4—31428, 4—59182
Zhang Jilin *see* Yuan Cailai 4—59401
Zhang Jin-duo *see* Guo Ji-jie 4—30841
Zhang Jin-lin *see* Wu Yuan-yan 4—30254
Zhang Jin-Tong The effects of ionospheric variation on time lag of short wave propagation and its correlation 4—42851
Zhang Jing Ping *see* Jing Ping Zhang
Zhang Jinying *see* Lu Kecheng 4—31302
Zhang Jucheng Multi-facet holographic lens with parallel axes 4—59639
Zhang Jun *see* Yang Wei-zhong 4—42928
Zhang Junchang *see* Chen Zexing 4—31452
Zhang Ke-tsien, Chen Ge-lin State-of-art and trends in scanning acoustic microscopes 4—62002
Zhang Kebang *see* Yan Zhen 4—49360
Zhang Kemin *see* Zhang Shoudu 4—31348
Zhang Kuo-Ji *see* Sun Hong-Sheng 4—48661
Zhang Lanmin *see* Yao Guangtao 4—58006
Zhang Lehui, Lin Chengtian, Liu Hariun, Liu Lin, Zhu Huanan, Lin Xi Investigation on growth and laser properties of GGG:(Nd, Cr) single crystals 4—59480
Zhang Lei *see* Zou Lixun 4—59594
Zhang Liang-sheng, Xu Zhi-qing, Chen Le-jun, Zhang Ying-ping, Gao Wen-xiu, Wei Cheng-lin Preliminary investigation of an SQS counter as a muon identifier 4—33746
Zhang Liang-sheng *see* Xu Zhi-qing 4—44691
Zhang Liying *see* Wei Yinan 4—47894
Zhang Ming, Wan Jia-ruo, Wang Cheng-dao Surface feature classification using ZS region growing method 4—53796
Zhang Ming *see* Tong Feiming 4—59339
Zhang Mingde, Wu Shoukang China's plan for domsat communication system using leased INTELSAT transponder 4—60807
Zhang Qi-chao *see* Liu Yao-wu 4—59826
Zhang Qing *see* Wang Yin-yue 4—52087
Zhang Qirui *see* Hu Weisheng 4—44631
Zhang Qishan, Wenguan Zhang A telemetry system based on Haar functions 4—48058
Zhang Quansheng *see* Wang Shouwu 4—37390
Zhang Ri-rong *see* Wang Han-li 4—42896
Zhang Rong-xiang *see* Hou Bo-yuan 4—49577
Zhang Shan-jie The Dyadic Green's function for coaxial cavity 4—46606
Zhang Shaorong *see* Zou Zhiyi 4—49061
Zhang Shi-ying, Zhang Wei-zu On the reliability evaluation and failure mechanism of RC electronic components 4—45998
Zhang Shili *see* Wang Jitao 4—30683
Zhang Shou-hong *see* Bao Zheng 4—48494
Zhang Shoubai *see* Cheng Yunqi 4—41117
Zhang Shoudu, Zhang Kemin Experiment of laser performances of alexandrite crystals 4—31348
Zhang Shu-Li *see* Xiao Zuo 4—31634
Zhang Shu-ying Research on frequency stepping signals 4—47817
Zhang Shuli, Zou Jiqing, Hsiao Tso A simple method for continuous monitoring of SIDs 4—44908
Zhang Shunyi *see* Wang Yumin 4—59410
Zhang Suzen High frequency modulation characteristics of GaAs-GaAlAs DH LEDs for optical fiber communication 4—59356
Zhang Taiping *see* Ment Xiaofan 4—37057
Zhang Wei-zu *see* Zhang Shi-ying 4—45998
Zhang Weicheng *see* Niu Fang 4—39398
Zhang Weiqing *see* Liang Peihui 4—31450
Zhang Weiqing *see* Weiqing Zhang
Zhang Weizai *see* Zhu Xiachun 4—31382
Zhang Wenguan *see* Wenguan Zhang
Zhang Wenkuan, Cheng Yunyi Transport-level protocol of RDC network and its implementation 4—54334
Zhang Wenzhen *see* Sun Rongchuan 4—29440
Zhang Wenzhi *see* Wang Jizhong 4—37501
Zhang Xiangshu *see* Ye Zhonghua 4—31430
Zhang Xiao-ze Generalization of Metropolis sampling method 4—57897
Zhang Xiaobing *see* Ling Yiming 4—31301
Zhang Xigang *see* Xie Peiliang 4—47407
Zhang Xingde, Ren Dacui GaAs-(AlGa)As large optical cavity lasers 4—59498
Zhang Xinghua The constant gain filtering for radars with cross-coupled range and velocity measurements 4—32849
Zhang Xuehua *see* Meng Xianren 4—47208
Zhang Yan-Zhong A direct algorithm for synthesis of stable feedback shift registers 4—51134
Zhang Yaolin, Lin Chuang, Gao Yuchang A remote job entry system for RDC network 4—54335
Zhang Yaoxiang *see* Jiao Zhengkuan 4—42306
Zhang Yilong *see* Huang Hungchia 4—37150
Zhang Ying-ping *see* Xu Zhi-qing 4—44691
Zhang Ying-ping *see* Zhang Liang-sheng 4—33746
Zhang Yinghua *see* Li Jiazhi 4—37149
Zhang Yingzhong, He Bengdong Packet-level protocol of RDC network and its implementation 4—54333
Zhang Yiping *see* Wang Gongqing 4—49065
Zhang Yonggao *see* Jan Jinkun 4—41118
Zhang You-wei, Zhu Gu-chuan A simulating study in application of Kalman filter to airborne radar tracking system 4—44841
Zhang Yu *see* Ma Jin-yuan 4—44690
Zhang Yu-Heng The physical essence for the step structures or oscillating effect of DC Josephson current within one flux quantum period ϕ_0 4—37054
Zhang Yu-Heng, Li Yu-Zhi, Zheng Jie-Fei The step structure effect of DC Josephson current within one flux quantum period. I. SQUID consisting of two junctions 4—31062
Zhang Yu-heng, Wang Jun The relations between voltage and magnetic field of superconducting weak link. II 4—52483
Zhang Yu-heng, Wang-Jun The relations between voltage and magnetic field of a superconducting weak link. I 4—52482
Zhang Yuanyue The calculation of spectral response in photodiode of surface type 4—31228
Zhang Yueqin *see* Yu Fuju 4—58868
Zhang Yuheng, Li Yuzhi, Wang Maoquan The thermal effect in a pulse magnet 4—47562
Zhang Yuheng *see* Wang Maoquan 4—53186
Zhang Yuncai *see* Wang Guoqiang 4—57442
Zhang Zaixuan *see* Fei Haosheng 4—59552
Zhang Zhaixuan, Wang Jingyun, Yuan Yiqian, Fei Haosheng Double-wavelength pulsed tunable dye laser 4—59461
Zhang Zhaowen, Wei Ziwen A new type of measuring device for the Hall effect 4—33430
Zhang Zhaoyi, Wu Deming A study on the efficiency of the gyromonotron operating at the TE_{021} mode and second cyclotron harmonic 4—41753
Zhang Zhengxian *see* Zhang Dake 4—59412
Zhang Zhengxiang, Zhao Renjun Acoustooptical mode locking of a CW Nd-YAG laser 4—37432
Zhang Zhi-zhong Developments in low-altitude defensive radars 4—60897
Zhang Zhiguo *see* Han Quansheng 4—59460
Zhang Zhiguo *see* Ye Peixuan 4—37465
Zhang Zhilin Analysis of the ring cavity of dye lasers with the methods of equivalent thick lens sequence and of ray matrix 4—31413
Zhang Zhong-Pei *see* Du Jia-Cong 4—42929
Zhang-da Lin, Yun-qi Cheng, Shu-yao Wu, Xiao-lin Wu, Shang-xue Qi, Kai Xie Surface study on α-Fe_2O_3 electrode for photodecomposition of water 4—58821
Zhangyong Huang *see* Huang Zhangyong
Zhao, K.B., Sen, P.C., Premchandran, G. A thyristor inverter for medium-frequency induction heating 4—40597
Zhao, L.C., Goldberg, B.B., Syphers, D.A., Stiles, P.J. The complex capacitance of Si inversion layers in the quantized resistance regime 4—51906
Zhao, S.N., Yang, C.Y., Huang, C., Yue, A.S. Polarity in CdTe single crystals grown from the vapor phase 4—35458
Zhao, Z., Hou, Z.-Q. The generalized phase spectrum method for time delay estimation 4—53777
Zhao, Z. *see* Di, A. 4—40931
Zhao Bolin, Zhao Wenzhong, Du Jinlin A study of the characteristics of microwave reflectivity ground truth in millimetre wavelength 4—44898
Zhao Bolin *see* Han Qingyuan 4—44899
Zhao Chang-lu Two-point frequency modulation of phase-locked loop 4—51044
Zhao Chunlai The fundamental units in absolutely cyclic number fields of degree five 4—33084
Zhao Donghuan *see* Leri Shizhan 4—59371
Zhao Donghuan *see* Yang Tianlong 4—59609
Zhao Fu-qin *see* Li Yong-fu 4—54846
Zhao Fukang *see* Tang Xingli 4—59458
Zhao Hengli *see* Lin Yubao 4—47227
Zhao Hengyang *see* Liang Yunmin 4—61602
Zhao Huifang *see* Mo Peigen 4—29455
Zhao Jiaju *see* Zhou Yan 4—37342
Zhao Jiaming *see* Liao Shiqiang 4—53048
Zhao Jianrong, Jiang Zaiying, Li Chunjin, Li Xuchang Measurement of gain coefficient of a transverse flowing CO_2 laser 4—31303
Zhao Jianrong, Li Chunjin Design of inside tube of grating selected frequency CO_2 laser 4—47492
Zhao Jianrong, Li Xuchang, Li Chunjin, Jiang Zaiying Determination of vibrational and translational temperatures in a transverse-flow CO_2 laser 4—59414
Zhao Jiuyuan *see* Tang Xingli 4—31427, 4—37407
Zhao Lie *see* Gao Zhi 4—37317
Zhao Liqing *see* Huang Xi 4—59524
Zhao Longxin *see* He Huijuan 4—59481
Zhao Longxin *see* Li Yongchun 4—47491
Zhao Longxing *see* He Huijuan 4—31352
Zhao Qing-ming Theoretical analysis of coaxial line to circular waveguide feed 4—41548
Zhao Renjun *see* Zhang Zhengxiang 4—37432
Zhao Shu-jie The performance research of a cell averaging detector 4—44161
Zhao Suitang *see* You Dajiang 4—31299
Zhao Wenzhong *see* Zhao Bolin 4—44898
Zhao Xiangshu *see* Jiang Zhonghong 4—59673
Zhao Youyuan *see* He Maoqi 4—37324
Zhao Yuying Magnetic field distribution of a solenoid 4—47563
Zhao Zhonghong, Wang Shaoying, Wun Chengmu Problems of energy deposition in *e*-beam-pumped gas lasers 4—37314
Zhaoda Zhu *see* Zhu Zhaoda
Zhaogu Cheng *see* Cheng Zhaogu
Zhaojing Ni *see* Ni Zhaojing
Zhaomin Ying *see* Ying Zhaomin
Zhaoqian Jing *see* Jing Zhaoqian
Zhaoqiang Fang *see* Fang Zhaoqiang
Zhaoqing Wu *see* Wu Zhaoqing
Zhaoting Jin *see* Jin Zhaoting
Zhaowen Zhang *see* Zhang Zhaowen
Zhaoyi Zhang *see* Zhang Zhaoyi
Zhaoyin Li *see* Li Zhaoyin
Zharikov, E.V., Il'chev, N.N., Kalitin, S.P., Laptev, V.V., Malyutin, A.A., Osiko, V.V., Ostroumov, V.G., Pashinin, P.P., Prokhorov, A.M., Smirnov, V.A., Umyskov, A.F., Shcherbakov, I.A. Tunable laser utilizing an electronic-vibrational transition in chromium in a gadolinium scandium gallium garnet crystal 4—31364
Zharikov, E.V., Zhitkova, M.B., Zverev, G.M., Isaev, M.P., Kalitin, S.P., Kuratev, I.I., Kushnir, V.R., Laptev, V.V., Osiko, V.V., Pashkov, V.A., Pimenov, A.S., Prokhorov, A.M., Smirnov, V.A., Stel'makh, M.F., Shestakov, A.M., Shcherbakov, I.A. Output characteristics of a gadolinium scandium gallium garnet laser operating in the pulse-periodic regime 4—42603
Zharkikh, Yu.S., Evdokimov, A.D., Poltavtsev, Yu.G., Levitskaya, R.O. Comparison between two methods of monitoring quality of preoxidation processing of silicon plates 4—36472
Zharkov, G.F. *see* Gulian, A.M. 4—52507
Zharovskiy, S.N. *see* Burlakov, M.V. 4—60527
Zhavoronkov, M.A. *see* Akhmerov, N.A. 4—49959
Zhavoronkova, T.V., Savel'ev, I.I., Khromykh, A.M. Theory of nonreciprocal effects in a ring laser subjected to a transverse magnetic field 4—59559
Zhed', A.P. *see* Maklakov, A.Ya. 4—61492
Zheen Wang *see* Wang Zheen
Zhehui Wu, Murata, T. Fair Petri nets and weighted synchronic distance 4—40964
Zhekanis, G.V. *see* Angel'skii, A.N. 4—32881
Zhekov, V.I., Lobachev, V.A., Murina, T.M., Prokhorov, A.M. Efficient cross-relaxation laser emitting at λ=2.94μ 4—31361
Zhelbakov, I.N. *see* Bakanov, V.I. 4—33270
Zhelezko, Yu.S., Artem'ev, A.V., Fainitskii, V.V. Determination of costs of power and energy dissipation in the mains for the selection of compensating devices 4—56596
Zhelezko, Yu.S., Fainitskii, V.V. Determining the costs of energy losses when choosing measures for reducing them 4—44998
Zhelezov, Zh., Baev, B., Chernokozhev, I. Experimental network with packet commutation SET 1.2—hardware and software realisation 4—32473
Zhelezov, Zh.I., Papukchiev, A. Hardware and software properties of the problem-oriented complex 4 SET 4—32472
Zhelezovskiy, Ye.Ye., Tikhomirov, A.A. Excitation and amplification of stochastic oscillations in devices employing active elements with intervalley electron transport 4—51538
Zheltov, K.A. High voltage stabilisation in pulse transformer circuits 4—40285
Zheltov, K.A., Malygin, A.V., Plichkin, M.G., Shalimanov, V.F. Miniature voltage pulse generator for subnanosecond electron accelerators 4—33754
Zhelunitsyan, G.I. *see* Mysak, I.S. 4—56831
Zhelyaletdinov, R.Ya., Gaponyuk, V.D. Solving electrical engineering problems on a unified system computer with the aid of the PRIMUS dialogue system 4—39840
Zhemchugov, N.I., Malyushitskii, M.M., Chornous, V.P. Dynamic gain during acceleration of a self propelled mine vehicle 4—57675
Zhemerov, G.G., Kovalenko, I.T. External characteristics of a rectifier with sequential control 4—45508
Zhen Yan *see* Yan Zhen
Zhen Yang *see* Yang Zhen
Zhen-cheng Chen *see* Chen Zhen-cheng
Zhen-huai Li *see* Li Zhen-huai

Zhen-huan Lei *see* Lei Zhen-huan
Zhen-Jia Xu *see* Xu Zhen-Jia
Zhen-Wei Liu *see* Liu Zhen-Wei
Zhen-wu Yue *see* Yue Zhen-wu
Zhen-Xuan Fu *see* Fu Zhen-Xuan
Zhendong Wu *see* Wu Zhendong
Zhenenko, G.N., Farah, H.B. Simultaneous optimization of the adjustable parameters in multimachine power systems 4—39792
Zhenenko, G.N., Farah, H.B. Using a frequency method for tuning automatic excitation control parameters 4—39793
Zhenenko, G.N., Fouad, A.A. Steady state stability analysis with frequency methods: optimization of excitation system parameters 4—44999
Zheng, C., Musgrave, G. A functional testable design of programmable logic arrays 4—29832
Zheng, H. *see* Wang, T. 4—42734
Zheng, N., Mori, S. First-order digital phase-locked loop with multilevel quantized phase detection 4—29732
Zheng, N., Mori, S. All digital phase-locked loop with nonlinear multilevel quantized phase comparator 4—58214
Zheng, X. *see* Wildmann, D. 4—52898
Zheng, Y.P., Basar, T., Cruz, J.B., Jr. Stackelberg strategies and incentives in multiperson deterministic decision problems 4—46090
Zheng Bao *see* Bao Zheng
Zheng Baoyu, Ouyang Min An algorithm for design of group delay equalizers used to yield Chebyshev approximation 4—57965
Zheng Chengen Thermal effects of repetitive discharge gas in static excimer lasers 4—59405
Zheng Cun-sheng, Pan Wei-han Design of FIR digital filter with different quantisation steps 4—51429
Zheng Guangfu, Zhan Suzhen Investigation of temperature effects on characteristics of GaAlAs DH lasers 4—31380
Zheng Jiabiao *see* He Maoqi 4—37324
Zheng Jie-Fei *see* Zhang Yu-Heng 4—31062
Zheng Neng *see* Huang Zhangyong 4—31126, 4—59221
Zheng Qian *see* Qian Zheng
Zheng Quanan *see* Quanan Zheng
Zheng Shaobai Analysis of a L-C resonance charging system for large capacitor banks 4—50116
Zheng Shufang Automatic laser alignment system for workpiece setting 4—31536
Zheng Wenxin, Zhan Jintang, Shao Hanguang The characteristic impedance of a non-uniform waveguide 4—47648
Zheng Xingshi, Gnepf, S., Preiswerk, H.P., Wildmann, D., Kneubuhl, F.K. Novel distributed feedback gas lasers 4—59417
Zheng Yu *see* Yu Zheng
Zheng Yuxia *see* Yu Wenyan 4—47440
Zheng Zha Ming *see* Ming Zheng Zha
Zheng Zhi-Qin *see* Jiao Zheng-Kuan 4—52477
Zheng-De Wu *see* Wu Zheng-De
Zheng-Kuan Jiao *see* Jiao Zheng-Kuan
Zheng-ming Hu *see* Hu Zheng-ming
Zheng-quan Ding *see* Ding Zheng-quan
Zheng-quan He *see* He Zheng-quan
Zhenghai Gu *see* Gu Zhenghai
Zhenghua Li *see* Li Zhenghua
Zhengkuan Jiao *see* Jiao Zhengkuan
Zhengming Yang *see* Yang Zhengming
Zhengping Huang *see* Huang Zhengping
Zhengtai Gu *see* Gu Zhengtai
Zhenguo Chen *see* Chen Zhenguo
Zhenguo Shan *see* Shan Zhenguo
Zhengxian Zhang *see* Zhang Zhengxian
Zhengxiang Zhang *see* Zhang Zhengxiang
Zhengxiao Wang *see* Wang Zhengxiao
Zhenhe Chu *see* Chu Zhenhe
Zhenhong Mai *see* Mai Zhenhong
Zhenhua Ma *see* Ma Zhenhua
Zhenqi Wang *see* Wang Zhenqi
Zhenyu, W. *see* Kuhlmann, F. 4—37910
Zhenyuan Tsai *see* Tsai Zhenyuan
Zhenzhong Yu *see* Yu Zhenzhong
Zhenzhuo Zhou *see* Zhou Zhenzhuo
Zhermunskaya, L.B., Segal', R.B. On stability of physicochemical properties of taut bands for electrical measuring instruments [elastic mountings] 4—55550
Zhezhelenko, I.V., Fedotov, E.N. Analytical investigation of the structure of factory power networks with distribution points 4—62167
Zhezhelenko, I.V., Lipskii, A.M., Saenko, Yu.L. Calculating the parameters of equipment for compensating voltage swings 4—45579
Zhezhelenko, I.V., Nikiforova, V.N. Changes in electric energy quality standards 4—39763
Zhezhelenko, I.V., Stepanov, V.P., Bykhovskaya, O.V. Probability modelling of rated electric loads of industrial plant 4—56402
Zhi Gao *see* Gao Zhi
Zhi Tingting *see* Zhu Xinming 4—37211
Zhi-hua Yang *see* Yang Zhi-hua
Zhi-jian Li *see* Li Zhi-jian
Zhi-jian Wu *see* Wu Zhi-jian
Zhi-Qin Zheng *see* Zheng Zhi-Qin
Zhi-qing Xu *see* Xu Zhi-qing
Zhi-sin Tung *see* Tung Zhi-sin
Zhi-yuan Wu *see* Wu Zhi-yuan
Zhi-zhong Zhang *see* Zhang Zhi-zhong
Zhicheng Fang *see* Fang Zhicheng
Zhidkov, V.O. *see* Shchutskii, V.I. 4—39933
Zhidkov, V.V. *see* Pilipovich, V.A. 4—36259
Zhidkova, E.V., Zaitseva, A.K., Morozova, I.P. Operational characteristics of high-efficiency 'violet' silicon photocells 4—62700
Zhifen Chen *see* Chen Zhifen
Zhigalko, V.A. *see* Goncharev, G.I. 4—34429
Zhigal'skii, G.P., Fedorov, A.S., Boltnev, A.N. Excess noise level in MOS structures without straight-through macrodefects in the dielectric 4—36352
Zhigang Zie *see* Zie Zhigang
Zhiguang Cui *see* Cui Zhiguang
Zhiguo Zhang *see* Zhang Zhiguo
Zhiheng, W., Lurong, G. π-phase filtering of the zero-frequency spectral component and pseudo-color encoding 4—60190
Zhijiang Wang *see* Wang Zhijiang
Zhijiang Ye *see* Ye Zhijiang
Zhijiang Yu *see* Yu Zhijiang
Zhijie Zou *see* Zou Zhijie
Zhilin, A.S. *see* Bai, R.D. 4—34673
Zhilin Zhang *see* Zhang Zhilin
Zhilong Jiang *see* Jiang Zhilong
Zhilyaev, Yu.V. *see* Vainshtein, S.N. 4—36570
Zhimei Wu *see* Wu Zhimei
Zhimin Han *see* Han Zhimin
Zhimin Lu *see* Lu Zhimin
Zhimo Liu *see* Liu Zhimo
Zhimskaya, N.V., Fedorova, E.I., Starchaeva, E.E., Perevozchikov, A.N. Spectral characteristics of KEDR-2 photocells made of gold-doped germanium 4—55484
Zhini Zhu *see* Zhu Zhini
Zhirkov, V.A. *see* Atamasov, V.D. 4—62714
Zhislina, A.A. *see* Panasyuk, D.I. 4—40307
Zhitkevich, I.V. *see* Novikov, S.I. 4—49787
Zhitkova, M.B. *see* Zharikov, E.V. 4—42603
Zhitnyuk, V.S., Melkov, G.A. Study of relaxation processes of parametrically excited spin waves in ferrites at low temperatures 4—52452
Zhivilo, S.I., Simakov, V.P., Taranenko, V.V. Use of electronic keyboard computer in automated systems 4—33130
Zhixin Yao *see* Yao Zhixin
Zhiyi Chen *see* Chen Zhiyi
Zhiyi Zou *see* Zou Zhiyi
Zhiying Chon *see* Chon Zhiying
Zhiying Wang *see* Wang Zhiying
Zhiyu Gu *see* Gu Zhiyu
Zhiyuan Wu *see* Wu Zhiyuan
Zhizhi Xu *see* Xu Zhizhi
Zhmaev, S.S. *see* Antonov, Yu.N. 4—56279
Zhmug', V.A. *see* Dubnischev, Yu.N. 4—37505
Zhmurko, A.I. *see* Anukhin, A.I. 4—58756
Zhmurov, V.P. *see* Grinshtein, B.I. 4—40314
Zholkov, Yu.A. *see* Iordan, G.G. 4—39155
Zholnerov, V.S. *see* Batygin, V.V. 4—55625
Zholnerovich, O.A., Khait, A.D. Effect of magnetic characteristics in an article on the results of a magnetographic inspection 4—35536
Zhong, Y.X. A unified measure of information 4—43066
Zhong Qiming, Jiang Yingqiu, Che Mingyu, Ji Rongcai Application of liquid crystal light valve to real-time optical data processing 4—31190
Zhong Xiang Hua *see* Hua Zhong Xiang
Zhong-ci Shi On the convergence properties of the quadrilateral elements of Sander and Beckers 4—46196
Zhong-hai Yang *see* Yang Zhong-hai
Zhong-Pei Zhang *see* Zhang Zhong-Pei
Zhong-qiu Peng *see* Peng Zhong-qiu
Zhong-Xuan Zhou A simplified design-oriented analysis of switched-capacitor active filters 4—51420
Zhonggeng Ling *see* Ling Zhonggeng
Zhonghai Yang *see* Yang Zhonghai
Zhonghong Jiang *see* Jiang Zhonghong
Zhonghong Zhao *see* Zhao Zhonghong
Zhonghua Ye *see* Ye Zhonghua
Zhongming Wang *see* Wang Zhongming
Zhongya Li *see* Li Zhongya
Zhongyang Wang *see* Wang Zhongyang
Zhongyi Wen *see* Wen Zhongyi
Zhongzhi Wang *see* Wang Zhongzhi
Zhorov, S.I. *see* Onishchenko, G.B. 4—34979
Zhou, B. *see* Shi, W. 4—46811
Zhou, S.M., Suen, C.Y., Bui, T.D. Simulation of speech intonation by Legendre orthogonal polynomials 4—47808
Zhou, Y., Frost, R.L., Rushforth, C.K. The design of well-conditioned discrete imaging systems 4—53931
Zhou, Y., Rushforth, C.K., Frost, R.L. Singular value decomposition, singular vectors, and the discrete prolate spheroidal sequences 4—60254
Zhou Ailian *see* Jiao Zhengkuan 4—42306
Zhou Bingkun *see* Xu Chengcai 4—52971
Zhou Binglin A persistent photoconductivity center in molecular beam epitaxial $Al_xGa_{1-x}As$ 4—47324
Zhou Bojun, Jiang Sinan, Gao Weibin, Fang Zhaoqiang, Xiang Xianbi, Zhu Suzhen, Yutian, W., Wu Rangyuan Effect of substrate misorientation on surface morphology of LPE-GaAs 4—46214
Zhou Changxing *see* Xu Qingxian 4—39732
Zhou Chaochen A rigorous approach to the design of protocols 4—43746
Zhou Chongjing Absolute stability of delta modulation systems 4—58208
Zhou Da-hua Analysis of delayed m sequence 4—41418
Zhou Dazheng *see* Sha Guohe 4—37316
Zhou Feng *see* Wu Cunkai 4—59596
Zhou Fengbin *see* Wang Guoqiang 4—57442
Zhou Fuxin *see* He Guangsheng 4—53059
Zhou Fuzheng, Gan Baihui, Zeng Jikan, Wu Tongyang, Ma Shukan, Yu Yuehua Measurement of microenergy of laser pulses 4—31446
Zhou Fuzheng, Zhu Qingchun, Qiu Qiujin, Ma Li, Gu Chunming One dimensional measurement of laser field profiles by CCD 4—47500
Zhou Fuzheng *see* Cui Zhiguang 4—31447
Zhou Guonai *see* Chen Yuchun 4—59742
Zhou Hua-shi *see* Zhu Qi-ming 4—44689
Zhou Huifen *see* Wang Mingchang 4—59367, 4—59370
Zhou Jun-ming *see* Jun-ming Zhou
Zhou Li-wei, Ni guo-qiang A study of electrostatic and magnetic focusing image transference system without image rotation 4—51725
Zhou Shanyu Construction and measurement of $\lambda/4$ wave plates by laser source 4—47318
Zhou Shouzeng *see* Wang Run 4—30959
Zhou Tian-xiao Grid decomposition property and error estimates for mixed finite element methods 4—57954
Zhou Wenbo *see* Yan Zhen 4—49360
Zhou Xuliang, Nie Tao A computer simulation of error control system 4—59939
Zhou Yan, Zhao Jiaju, Huang Muzhen, Li Zhenghua, Gu Zhengtai A LiF color center (F_2^+) tunable pulsed laser 4—37342
Zhou Youwei *see* Huang Hungchia 4—37150
Zhou Yuan-quan A Bayesian approach for precision growth 4—57806
Zhou Yunlong *see* Zhu Shengjiang 4—44697
Zhou Zhenzhuo, Zeng Yongjian, Qiu Mingxin Longitudinal excitation of XeCl excimer lasers 4—59399
Zhou Zhong-Xuan *see* Zhong-Xuan Zhou
Zhu, F., Alvensleben, L.V., Haasen, P. A study of Alnico magnets by atom probe field ion microscopy 4—35530
Zhu, M.F., Suni, I., Nicolet, M.-A. Electrical characteristics of amorphous $Ni_{36}W_{64}$ contacts on silicon 4—51865
Zhu, X.C. *see* Duh, K.H. 4—47042, 4—58927
Zhu, Z.C. *see* Clark, A.P. 4—43019
Zhu An-min, Wei Jia-ning, He Jia-xing The convergence order of interpolation by Hermite polynomials with zeros of the Legendre polynomial 4—40994
Zhu Beili *see* Wang Hongzhen 4—55769
Zhu Dayong, Su Xinzhi Stabilization of CO_2 laser frequency with NH_2D Stark cell 4—31449
Zhu Gu-chuan *see* Zhang You-wei 4—44841
Zhu Hang *see* Li Yu 4—61530
Zhu Huanan *see* Zhang Lehui 4—59480
Zhu Jinsong *see* Hong Jingfen 4—37467
Zhu Junhao *see* Huang Hungchia 4—37150
Zhu Qi-ming, Zhou Hua-shi, Ni Hui-ling, Guo Hong-fei Simulation measurement and calculation of the electric field in the pictorial drift chamber 4—44689
Zhu Qigao *see* Wang Shouwu 4—37390
Zhu Qing *see* Yan Ji-wen 4—47552
Zhu Qingchun *see* Zhou Fuzheng 4—47500
Zhu Shengjiang, Xu Sida, Chen Zemin, Zhou Yunlong, Xu Xiangyuan A fast neutron polarimeter and the polarization measurement of the neutrons from the $D(d,\vec{n})^3He$ reaction 4—44697
Zhu Suzhen *see* Zhou Bojun 4—46214
Zhu Wuhua *see* Wang Hongzhen 4—55769
Zhu Wuhua *see* Ye Weichun 4—55768
Zhu Xiachun, Cao Gendi, Zhang Weizai, Yang Jianqun, Wang Hailong Horizontal unseeded vapor growth (HUVG) of a $Pb_{1-x}Sn_xTe$ diode laser 4—31382
Zhu Xinming, Chen Lanrong, Zhi Tingting Optoelectronic GaAs switch controlled by mode-locked laser pulses 4—37211
Zhu Xinyun *see* Shen Jian 4—45586
Zhu Xuewu *see* Wang Enyue 4—47226, 4—59161
Zhu Xunsheng *see* Zeng Xianzhang 4—57286
Zhu Zhaoda Detection of Weibull and log-normal noises 4—43384,
Zhu Zhini New non-Gaussian methods of design for APD digital receiver used in optical fiber communications 4—54737
Zhu-hong Wang *see* Wang Zhu-hong
Zhuang, F. *see* Sharaf, A.M. 4—34775
Zhuang, S.L. *see* Yu, F.T.S. 4—38043
Zhuang, X., Yu, K.-B., Haralick, R.M. A new approach to the solution of the maximum entropy image reconstruction problem 4—53927
Zhuang, X. *see* Yu, K.-B. 4—53729
Zhuang, X.F. *see* Hwang, H.H. 4—40186
Zhuang Dounan, Lin Yinyi, Ding Aizhen Optically pumped tunable CF_4 laser 4—47406
Zhuang Dounan *see* Gong Desheng 4—31305
Zhuang Qi *see* Huang Ruiping 4—59406
Zhuang Qi-Xiang *see* Miao Yong-Rui 4—43829

Zhuang Wanru A long-lifetime CW DH AlGaAs-GaAs laser operated at room temperature 4—37433

Zhuang Wanru, Ma Yingdi, Hu Yiguan D_2^+ bombardment isolated stripe geometry (GaAl)As/GaAs DH lasers 4—59523

Zhuang Wenjun An algorithm of loss and profit analysis of tracks for channel routing 4—58109

Zhuang Xin *see* Xu Jie 4—31306

Zhuangqi Cao *see* Cao Zhuangqi

Zhuikov, V.Ya., Suchik, V.E., Denisyuk, S.P. Structural synthesis of rectifier circuits with a minimum number of key elements 4—45535

Zhuk, F.I., Lysogorov, O.S., Chetverikov, N.I. High speed laser machining of small diameter holes in printed circuit substrates 4—31540

Zhukov, A.A., Slynchenko, V.I. Digital input/output interface for the Elektronika D3-28 computer 4—48714

Zhukov, A.N. Simulation of nonlinear elements of electronic systems 4—29611

Zhukov, A.V., Rzhendinskaya, S.N. Combined analog-digital converter [nuclear spectrometry] 4—39484

Zhukov, E.G. *see* Indosova, V.M. 4—29447

Zhukov, N.D. *see* Adlivankin, A.S. 4—42661

Zhukov, N.N., Zaskalko, O.P., Starunov, V.S., Fabelinskii, I.L. Generation of picosecond pulses of stimulated Raman scattering of light in an external cavity 4—42548

Zhukov, O.K. *see* Solodukha, A.M. 4—33362

Zhukova, A.N. *see* Kalashnikov, S.D. 4—46780

Zhukova, O.Yu. *see* Belousov, Yu.F. 4—56595

Zhukovskaya, A.I. *see* Rubinov, A.N. 4—42581

Zhulina, Yu.V. Compensation of phase distortions in spatially-temporal apertures 4—47913

Zhulovyan, V.V., Pastukhov, V.V. Stability analysis of synchronised induction machines 4—40254

Zhung Cjiou Shing *see* Shing Zhung Cjiou

Zhuo Dunshui, Xu Wenjuan, Jiang Yasi Study of the cause for light scattering and laser damage in fluorophosphate laser glasses 4—31091

Zhuo Liu *see* Liu Zhuo

Zhuo-Min Chen *see* Chen Zhuo-Min

Zhuomin Chen *see* Chen Zhuomin

Zhuqing Ying *see* Ying Zhuqing

Zhurakovskii, Yu.P., Khomenko, A.N. A digital binary FM signal receiver 4—43942

Zhuravel', V.I. Application of mathematical models in online analysis of power systems fuel supply 4—44993

Zhuravlev, B.V. *see* Biryukov, N.S. 4—61698

Zhuravlev, E.N., Shestakova, E.F., Yaroslavskii, V.N. Influence of electrical field inhomogeneities on the characteristics of a voltage transducer with a cylindrical Kerr cell 4—33266

Zhuravlev, L.A. Typical problems of automating quality control of finished production [of weighting equipment] 4—29284

Zhuravlev, V.E. *see* Vystavkin, A.N. 4—59171

Zhuravleva, L.I., Kaganovskii, I.P., Krashininnikov, B.N., Rakovskii, V.V. Time-advanced noise reduction applied to video/sound tracks 4—48675

Zhuravleva, L.L. *see* Epifanov, M.S. 4—45660

Zhurba, I.A. *see* Lomakin, V.A. 4—40269

Zi-ching Li *see* Li Zi-ching

Zi-hua Luo *see* Luo Zi-hua

Zi-yi Quan *see* Quan Zi-yi

Ziaran, S. *see* Vidlar, S. 4—30149

Zibert, S. *see* Zevnik, C. 4—46696

Zibrov, A.S., Zubkov, V.M., Nikitin, V.V., Perevalov, M.G. Stabilization of the emission frequency of an injection semiconductor laser by an external confocal interferometer 4—31465

Zibuc, J., Kavaliauskas, R. Calculation of the sensitivity of selenium electroradiographic layers 4—31220

Zicari, R. Reliability of systems in real time 4—29290

Zich, R. *see* Ghione, G. 4—30233

Zickar, F.R. Characterization and testing of epoxy powder insulated conductors 4—30871

Zicong Wang *see* Wang Zicong

Zie Zhigang *see* Jan Jinkun 4—41118

Zieciak, R. *see* Bankiewicz, R. 4—44415

Ziegler, C. Queue length characteristics at very fast, constant service time merger nodes 4—43504

Ziegler, H., Tiesmeyer, J. Digital sensor for IR radiation 4—33303

Ziegler, K. *see* Busse, W. 4—33562

Ziegler, N.F. *see* Jones, C.M. 4—33558

Ziel, A.van der *see* van der Ziel, A.

Ziel, J.P.van der *see* van der Ziel, J.P.

Ziel, J.P.Van der *see* Van der Ziel, J.P.

Zielenski, A. *see* McBrearty, M. 4—51690

Zielinski, A. Fifty years in service of Polish telecommunication 4—43521

Zielinski, A. *see* Vetter, W.J. 4—61949

Zielinski, J.S. *see* Brulinski, P. 4—49573

Zielinski, T. *see* Feng, M. 4—30640

Zielke, M. *see* Kade, K. 4—34034

Ziemann, P. *see* Hitzfeld, M. 4—33443

Ziemer, A. Technical operating possibilities with cable and satellite TV 4—54947

Ziemer, R.E. *see* Wickert, M.A. 4—31850

Zienko, S.I., Brytkov, V.V., Vlasov, A.B. Generation of high-voltage nanosecond pulses by forward-biased semiconductor diodes 4—46383

Zientara, J. Telecommunication infrastructure development significance for social economic accelerated development of the country 4—43528

Zientek, S. Power factor compensation in the Trinec's VRSR metallurgical industries 4—57596

Zieren, V. Geometrical analysis of the offset in buried-collector vertical magnetotransistors 4—55372

Zieren, V. *see* Kordic, S. 4—39165

Zierhut, H. Contactless electronic relay 4—30156

Ziermann, E. The AVR nuclear power facility—progress report 4—45230

Ziermann, R. *see* Schiffer, F. 4—57825

Ziesemer, M. Correlation measurement of motion 4—44652

Zietak, K. The l_p-solution of the linear matrix equation $AX+YB=C$ 4—35444

Zigadlo, J.P. *see* Kasley, K.L. 4—58854

Zigan, H. *see* Hutter, M. 4—56581

Zignani, F. *see* Galloni, R. 4—34895

Zignani, F. *see* Soncini, G. 4—40462

Zilani, M. *see* Barberis, N. 4—33917

Zil'berman, G.A., Konovalov, V.I., Sadova, N.F., Semenyuk, A.L. Methods of checking automated equipment for measuring the dynamic characteristics of analog-digital converters 4—33122

Zil'berman, P.Ye. *see* Karmazin, S.V. 4—31040

Ziles, L.D. *see* Belyakov, N.N. 4—39935

Zilker, A., Wurdack, S. Z80-EMUF with full facilities 4—46490

Zilko, J.L. *see* Swaminathan, V. 4—46924

Zilli, E. Coherent scattering of electromagnetic waves for the detection of LH heating waves 4—37596

Zilli, E. *see* Moresco, M. 4—47676

Zilli, M.Venturini *see* Venturini Zilli, M.

Zillich, H. *see* Schmidt, R. 4—45190

Zilwa, L.G.Sisouw de *see* Sisouw de Zilwa, L.G.

Zimaglia, C. *see* Pessina, G. 4—56921

Zimanyi, I. *see* Formanne, G.C. 4—33966

Zimdahl, W. Guidelines and some developments for a new modular driver information system 4—60734

Zimmer, G., Zetzmann, W., Liu, Z.L., Neubert, E. Buried silicon-nitride layers formed by nitrogen-ion implantation and high-temperature annealing 4—36915

Zimmer, G. *see* Dobos, K. 4—39152, 4—48836

Zimmer, G. *see* Hosticka, B.J. 4—51050

Zimmer, H.G. *see* Linge, H. 4—32067

Zimmer, M. Guide to Reliability Programme management 4—29295

Zimmer, R.F. The 'Zimbeam' phased-beam antennas 4—31778

Zimmer, W.H., Wagner, S.E. Measurement techniques for characterizing and using low background germanium detectors 4—61672

Zimmerman, A.H. Technological implications in studies of nickel electrode performance and degradation 4—40384

Zimmerman, A.H., Effa, P.K. Efficiency and utilization in nickel electrodes 4—40405

Zimmerman, D.L., Riccio, M.J., Ruddy, J.M. Earth terminal-to-satellite link availability using new rain event duration statistics 4—37589

Zimmerman, D.R., Mahmoud, A.A. Reproductive and growth performance of swine under 345 kV transmission lines 4—49611

Zimmerman, E.L. *see* Kania, D.R. 4—34784

Zimmerman, R.E. *see* Moore, S.C. 4—56098

Zimmerman, U. *see* Goodwin, L. 4—35211

Zimmermann, E.L. *see* Kania, D.R. 4—57237

Zimmermann, G., Kories, R. An evaluation of image features for motion determination in image sequences 4—38050

Zimmermann, H.-J. Simple analogue-to-digital converter according to the integration method 4—51331

Zimmermann, H.-J. *see* Czogala, E. 4—57908

Zimmermann, J. *see* Chu Hao 4—30442

Zimmermann, P. Data by express [RAM] 4—41344

Zimmermann, P. Single-chip μC family: master and slave linked by serial interface 4—41368

Zimmermann, P. Distributed processing [peripheral interface chips] 4—58418

Zimmermann, P. *see* Joetten, R. 4—50139

Zimmermann, P.H. *see* Chung, H.K. 4—37234

Zimmermann, P.H. *see* LoVecchio, P. 4—36324

Zimmermann, R. Technology and application of Bildschirmtext inhouse systems 4—54268

Zimmermann, R. Technology and applications of Bildschirmtext inhouse systems 4—60462

Zimmermann, R. *see* Wagner, R. 4—41527, 4—47120

Zimmermann, W. A simple multi-motor drive with converter-fed synchronous machines with AC excitation 4—50142

Zimmermann, W. *see* Kastens, T. 4—56821

Zimmermann, W. *see* Pettenpaul, E. 4—51540

Zimny, J., Scalari, F. Laser beam machining: worked surface properties 4—47530

Zimogorova, N.S., Kanskaya, L.M., Kryachko, I.V., Sazonov, V.A., Shostka, V.I. Photoluminescence parameters of epitaxial *p*-type gallium antimonide films 4—47334

Zinchenko, A.K. *see* Alekseev, I.A. 4—42560

Zinchenko, V.F., Budovskii, V.P. Tuning out directed relays from the aperiodic component of short circuit current 4—36114

Zinevich, E.P. *see* Bagdasaryan, S.T. 4—53315

Zinevich, E.P. *see* Manzhos, V.N. 4—31986

Zingarelli, V. *see* Laforgia, D. 4—53962

Zingarelli, V. *see* Pirani, G. 4—53622

Zinger, N.M., Burd, A.L., Lokshin, L.S., Belevich, A.I., Krivitskii, V.I. Operational tests of the system with an elevator pump for automated heat supply for space heating 4—40621

Zini, R. *see* Rangoni, F. 4—49240

Zink, J. *see* Angelone, P.A. 4—58869

Zinke, H. Bipolar integrated circuits for interface applications in microprocessor systems 4—29926

Zinner, A. *see* Gillette, P.C. 4—44785

Zinov, V.G. *see* Bystritsky, V.M. 4—55810

Zinov'ev, E.G., Sherstobitov, V.P., Tikhonov, V.P. A discrete hydraulic pressure transducer 4—55380

Zinov'ev, L.P. *see* Voevodin, M.A. 4—33577

Zinov'ev, V.A. *see* Zaitsev, G.V. 4—43122

Zinoviev, V.A., Litsin, S.N. On a general method of increasing the length of codes 4—53403

Zinser, G., Erhardt, A., Komitowski, D., Bille, J. The production and reconstruction of two-dimensional pictures taken by a light microscope 4—32055

Zinser, R. *see* Renjen, S. 4—58431

Zinszner, R., De Man, H., Croes, K. Technology independent symbolic layout tools 4—36887

Zinth, W. *see* Polland, H.J. 4—47509

Ziogas, P.D., Manias, S., Wiechmann, E. Application of current source inverters in UPS systems 4—56542

Ziogas, P.D. *see* Manias, S. 4—34761

Ziogas, P.D. *see* Ranganathan, V.T. 4—57225

Ziolkowski, M. *see* Sikora, R. 4—34666

Ziolkowski, R.W. *see* Johnson, W.A. 4—47604

Zionts, S. *see* Koksalan, M.M. 4—46091

Zioutas, K. *see* Zamani, M. 4—55951

Ziperian, T.E., Dawson, L.R., Osbourn, G.C., Fritz, I.J. An $In_{0.2}Ga_{0.8}As/GaAs$, modulation-doped, strained-layer superlattice field-effect transistor 4—36637

Zipfel, C.L. *see* Chin, A.K. 4—52816

Zipfel, C.L. *see* Mahajan, S. 4—31245

Zipperian, T.E. *see* Barnes, C.E. 4—58764

Zipperian, T.E. *see* Dawson, L.R. 4—51818

Zipperian, T.E. *see* Gourley, P.L. 4—41860

Zipperian, T.E. *see* Myers, D.R. 4—36546, 4—41947, 4—59343

Zipse, D.W. The National Electrical Code: How to propose changes and the procedures followed 4—57798

Zipser, E. Measuring the moisture content of transformer oil 4—61579

Ziqing Yie *see* Yie Ziqing

Zisman, A.N., Nefedov, S.N., Makarenko, I.N. Micropiezometer for use with liquids 4—49039

Zisserman, A. *see* Caldwell, J. 4—31578

Zissermann, A. *see* Caldwell, J. 4—52516

Zisu, T., Stan, G. A circuit for testing the distance computing used in laser rangefinding 4—38687

Zisu, T., Stan, Gh., Siposan, D., Gheorghiu, A. Optoelectronic receiver used in laser rangefinders 4—54904

Zita, K. The little engines that might [voice/data workstations] 4—43553

Zitouni, K. *see* Kadri, A. 4—30335

Ziv, J. Fixed-rate encoding of individual sequences with side information 4—43101

Ziv, J. *see* Kadota, T.T. 4—40930

Zivkovic, J. *see* Skuletic, S. 4—62192

Ziwen Wei *see* Wei Ziwen

Zixiang Yong *see* Yong Zixiang

Ziyakaev, R.G. *see* Vorob'ev, S.A. 4—30883

Zizhao Gan *see* Gan Zizhao

Zizka, G., Turko, B. Data selector group sequencer interface 4—55981

Zlatanovic, C. *see* Jevtovic, M. 4—60580

Zlatilova, P. *see* Gernovo, Y. 4—40379

Zlonkiewicz, Z. *see* Ratajewicz, Z. 4—58591

Zlotnick, F. *see* Neroth, C. 4—41395

Zlotnik, B.M. Doubly transitive groups of type $p^m(p^m-1)$ and maximal nonbinary codes generated by them 4—31862

Znotins, T.A., Byron, S.R., Moody, S.E., Brimacombe, R.K., Reid, J. Intracavity plasma shutter for transversely excited CO_2 lasers 4—53043

Zoaeter, M. *see* Conan, A. 4—51806

Zobel, M. *see* Spillmann, H. 4—34166

Zobkov, S.N., Vinogradova, N.V., Pikhtelev, A.I. Voltage-to-frequency converter for a digital synchronic detector 4—36004

Zobnin, A.P., Malinin, L.M., Tanaev, D.B. The controlled acceleration of an unbalanced rotor through a critical velocity 4—62486

Zoby, E.V. *see* Gupta, R.N. 4—44803

Zoccarato, W. *see* Buja, G.S. 4—57209

Zocholl, S.E. New applications requiring solid state protective relay characteristics 4—56690

Zocholl, S.E., Schweitzer, E.O., III, Aliaga-Zegarra, A. Thermal protection of induction motors enhanced by interactive electrical and thermal models 4—57014
Zocholl, S.E. *see* Borner, C.A. 4—56691
Zogg, H., Vogt, W., Melchior, H. Epitaxial growth of BaF_2 films onto PbSe and electronic properties of the interface 4—50751
Zohta, Y. *see* Suzuki, K. 4—55600
Zohta, Y. *see* Watanabe, M.O. 4—30321
Zoicas, A. Speech recognition by means of a three-integrated-circuit set 4—31910
Zoicas, A. Adaptive systems in telecommunication 4—47970
Zoicas, A. Speech recognition with a three-chip set 4—53458
Zoledziowski, S., Sierota, A. Physical and statistical aspects of breakdown characteristics of solid dielectrics 4—59066
Zolesio, J.-L. Autoregressive anti-clutter filter 4—60885
Zolev, K.P. *see* Adursky, I.S. 4—48700
Zoller, P. *see* Helm, M. 4—31459
Zollner, G. *see* Bindler, J.-E. 4—50231
Zollner, R. *see* Kornhaas, W. 4—61080
Zollo, S. High-speed graphics chip set reduces burden on host microprocessor 4—41367
Zolomy, I. Negative differential resistance in the I-U characteristics of surface oxide transistors 4—36555
Zolotarev, N.A. *see* Khripkov, A.N. 4—47565
Zolotaryuk, A.V., Kuzmenko, N.V., Khodataev, K.V. Dynamics of a heavy-current relativistic electron beam in the external magnetic field 4—47553
Zolotov, A.V., Kiryukhin, Yu.I., Kuznetsova, N.A., Maiorov, V.P., Movshev, A.K., Pugach, Yu.P. Multifunctional laser displacement-measuring instruments 4—39315
Zolotov, E.M. *see* Angelov, A.K. 4—42385
Zolotov, E.M. *see* Bozhevol'nyi, S.I. 4—37143
Zolotov, E.M. *see* Buritskii, K.S. 4—37172
Zolotovitskii, A.B. *see* Auslender, M.I. 4—30386
Zomlefer, M. *see* Leifer, L. 4—56172
Zommer, N.D. *see* Baliga, B.J. 4—47010
Zomorrodi, M., Cheung, L.-F., Ibrahim, A. A self-calibrating infrared reflectance densitometer chip 4—59041
Zondervan, J. New industrial weighing system 4—44625
Zondervan, J. Decoupling capacitors for dynamic RAMs. Comparison between different types 4—51191
Zonggui Chen *see* Chen Zonggui
Zongquan Chen *see* Chen Zongquan
Zongti Bao *see* Bao Zongti
Zongyao Xiao *see* Xiao Zongyao
Zongyuan Ye *see* Ye Zongyuan
Zonis, E.M. *see* Sharov, S.N. 4—57385
Zonis, Yu.M. *see* Sharov, S.N. 4—57385
Zonnenshain, A., Haim, M. Assessment of reliability prior distribution 4—46023
Zorawski, A. *see* Domanski, T. 4—55968
Zorin, V.M. *see* Vertman, A.A. 4—40672
Zorn, S. *see* Mattern, K. 4—32100
Zorov, N.B. *see* Novodvorskii, O.A. 4—42588
Zorshunova, G.I. *see* Gershberg, A.E. 4—48594
Zorzi, G.de *see* de Zorzi, G.
Zoso, L. *see* di Tria, P. 4—32354
Zoso, L. *see* diTria, P. 4—32533
Zothner, E. Evaluating equipment convertible into emulating system for the 6802 microprocessor 4—35866

Zotin, V.F. *see* Potapov, L.A. 4—33490
Zotov, A.V. *see* Kaverina, I.G. 4—41058
Zotov, A.Ya., Fominykh, Yu.A. Overload capacity of a UPS-35U1 type controlled fuse 4—34800
Zotov, G.I. *see* Grinenko, E.N. 4—48595
Zou, L., Liu, B. Improvement of resolution and reduction of computation in 2D spectral estimation using decimation 4—53687
Zou, Y. *see* Shi, W. 4—46811
Zou Enteng *see* Chen Zhifen 4—39684
Zou Haixin, Cheng Lanyin, Zhang Baofu, Wang Hao, Liu Yagang Study of tunable and double wavelength CO_2 lasers 4—53049
Zou Ji-Ching *see* Xiao Zuo 4—31634
Zou Jiqing *see* Zhang Shuli 4—44908
Zou Lixun, Zhang Lei, Wan Lide, Li Chunfei Bistable optical device using a TE-TM modes interference waveguide modulator 4—59594
Zou Mou-yan A new proof and generalization of a theorem of impedance function matrices of networks 4—41449
Zou Zhijie *see* Liu Jinshou 4—59415
Zou Zhiyi, Xu Mingjuan, Huang Jianming, Mao Yu, Chen Miao, Zhang Shaorong A duoplasmatron for multiple charged ions 4—49061
Zouqing, W., Suhua, Z., Chenghao, W. Diffraction of SAW by acoustic grating 4—52404

Zowarka, R.C. Physical scale modeling to verify energy storage inductor parameters 4—45456
Zowarka, R.C. *see* Nalty, K.E. 4—42807
Zowarka, R.C. *see* Upshaw, J.L. 4—42805
Zozulya, B.I. *see* Gorban', A.P. 4—62699
Zozulya, Yu.I. *see* Gorban', A.P. 4—39174, 4—62699
Zrenner, A. *see* Dolgopolov, V. 4—51888

Zrnic, D.S., Doviak, R.J., Mahapatra, P.R. The effect of charge and electric field on the shape of raindrops 4—47597
Zrnic', D.S. *see* Doviak, R.J. 4—47606
Zscherpe, G. *see* Exner, H. 4—51940
Zschetke, J., Nieder, R. Gas chromatographic measurements in water-steam circuits 4—45212
Zschockelt, R. *see* Trstensky, D. 4—47709
Zu Guoxiang *see* Liu Puhe 4—61811
Zu-guang Wang *see* Wang Zu-guang
Zub, E.M. *see* Indosova, V.M. 4—29447
Zubairy, M.S. *see* Becker, W. 4—47388
Zubairy, M.S. *see* Hillery, M. 4—31491
Zubal, I.G., Bizais, Y., Bennett, G.W., Brill, A.B. Dual gated nuclear cardiac images 4—39541
Zubatyi, B.L. *see* Nuriev, F.N. 4—50861
Zubchenko, A.S. *see* Nosov, S.I. 4—35070
Zubchenko, Yu.V. *see* Kaidalov, A.A. 4—45780
Zubel, I. *see* Barycka, I. 4—36483
Zubel, I. *see* Buczkowski, A. 4—40456
Zuberek, W.M. SPICE-PAC a package of subroutines for circuit simulation and optimization 4—41162
Zubkov, V.I. *see* Vashkovskiy, A.V. 4—42281, 4—47202
Zubkov, V.M. *see* Zibrov, A.S. 4—31465
Zubkov, Yu.N. Laser light deflector employing a garnet film with submicron domains 4—52719
Zubkov, Yu.S. *see* Zaitsev, Yu.A 4—33342
Zubov, P.A. *see* Kulichikhin, V.V. 4—40099
Zubov, V.A., Kraiskii, A.V., Sultanov, T.T., Khlebnikov, A.G. Correlator based on modified Michelson interferometer with computer control 4—60154
Zubov, V.G., Khlyunev, A.L. On design of a unit for the number position fixing on the numerical axis 4—51069
Zubov, V.G., Khlyunev, A.L. Design principles of an accurate meter for the thermal inertia figure of thermo-couples under working conditions 4—61447
Zubov, V.G., Kryshev, A.P., Mel'nik, V.I. An A/D converter with linear colour temperature-frequency conversion [pyrometer] 4—61322
Zubov, V.G., Kryshev, A.P., Semenistyi, K.S. Design principles for a linear colour-temperature/frequency converter 4—55726
Zubov, V.M. *see* Shnyakin, A.V. 4—34428
Zubov, V.V., Lyabin, N.A., Mishin, V.I., Muchnik, M.L., Parshin, G.D., Chernyak, E.Ya., Chursin, A.D. Investigation of a copper vapor laser with a long service life and improved excitation pulse parameters 4—31330
Zubrilin, N.G. *see* Gorban', I.S. 4—37313
Zucca, R. *see* Gilbert, B.K. 4—53585
Zucca, R. *see* Lee, S.J. 4—29881
Zucker, O., Wyatt, J., Linder, K. The Meat Grinder: theoretical and practical limitations 4—42821
Zuckerbrod, D. *see* Buzzelli, E.S. 4—40424
Zuckerman, A. *see* Scarpero, W.J., Jr. 4—29967
Zuckerman, M.M. Innovative display technologies—why a flat panel when you can have a CRT? 4—48964
Zudin, O.S., Grigor'ev, G.N., Lasksonen, O., Poukkula, K. Space and time referencing in scientific research 4—48524
Zudkin, V.L., Kudelainen, V.I. Simple infralow frequency generator 4—29706
Zue, V.W. *see* Chen, F.R. 4—59992
Zue, V.W. *see* Huttenlocher, D.P. 4—53545
Zue, V.W. *see* Lamel, L.F. 4—53567
Zue, V.W. *see* Leung, H.C. 4—53501
Zuehlke, R. *see* Pollman, K. 4—35922
Zuehlke, R. *see* Pollmann, K. 4—29744, 4—35907
Zuev, I.V. *see* Yafarov, R.K. 4—44935
Zuev, S.A. Algorithms for processing a flow of binary-quantized signals with a known beginning and end of the packet 4—53666
Zuev, V.A. *see* Evtukh, A.A. 4—36343
Zuev, V.I. *see* Zav'yalov, E.E. 4—42277
Zuev, V.S., Kanaev, A.V., Mikheev, L.D. Optical inhomogeneities in a bleaching wave in the active medium of a photochemical Kr_2F laser 4—31327
Zuev, V.V. *see* Bykovskii, Yu.A. 4—51768
Zuidam, H. A keyword search method for interactive videotex 4—48114
Zukowski, R.W. Managing technological career transitions 4—50416
Zuleeg, R. *see* Shapiro, P. 4—29856

Zulehner, W. Czochralski growth of silicon 4—29453
Zulliger, H.R. Precise measurement of small forces 4—48828
Zumbach, E. *see* Kort, F. 4—62642
Zundorf, A. Parametric characterisation by stimulus/response measurement [of complex digital ICs] 4—61203
Zunec, M., Petranovic, D. Distribution network reliability indices evaluation 4—34174
Zunfu Jiang *see* Jiang Zunfu
Zunino, E. *see* Martelli, F.G. 4—34444
Zunino, P. *see* Goulard, R. 4—52111
Zuo Xiao *see* Xiao Zuo
Zuo-yi Chen *see* Chen Zuo-yi
Zupancic, R.L. *see* Johnson, D.H. 4—34829
Zupei, C. A new method for radiation temperature measurement. I. Temperature dependence of radiation noise 4—61386
Zupicich, A. *see* Purushothaman, S. 4—46977
zur Gathen, J.von *see* von zur Gathen, J.
Zurada, J. Predistorted design of 2nd order filters 4—58454
Zurakowski, M.P. *see* Eglash, S.J. 4—36336
Zurakowski, M.P. *see* Shenai, K. 4—58797
Zurawski, M. 34 Mbit/s digital transmission system 4—43581
Zurawski, M. *see* Brzezinski, W. 4—43594
Zurbuchen, R. *see* Anders, H. 4—33740
Zutobradic, S., Filipovic, B. Design of grounding grids TS 10(20)/0.4 kV connected on overhead network 10(20) kV in conditions of grounded neutral point 4—39858
Zutobradic, S., Filipovic-Grcic, B. Calculation of grounding grids in single and double layer ground 4—39920
Zutobradic, S. *see* Filipovic-Grcic, B. 4—39857, 4—62162
Zutter, D.De *see* De Zutter, D.
Zuyan Xu *see* Xu Zuyan
Zuying Tong *see* Tong Zuying
Zuyou Wang *see* Wang Zuyou
Zvara, K. *see* Andel, J. 4—40925
Zvenigorodskaya, A.N. *see* Fedorova, L.V. 4—31094
Zverev, B.V. *see* Zavadtsev, A.A. 4—39386
Zverev, G.M. *see* Zharikov, E.V. 4—42603
Zverev, L.P. *see* Deryabina, T.I. 4—30450
Zverev, V.M. *see* Gerasimov, V.A. 4—31359
Zverev, Yu.K. *see* Golosova, S.Ya. 4—32886
Zverev, Yu.V. *see* Vilenchik, L.S. 4—39195
Zverkov, M.V. *see* Borodulin, V.I. 4—37380, 4—59545
Zwaag, H.van der *see* van der Zwaag, H.
Zwagerman, R.P. Integration of speech, data and text 4—54018
Zwang, N. *see* Breskin, A. 4—39428
Zwarg, G. Rim ventilation for large air cooled salient pole machines 4—40229
Zweibel, K., Hermann, A., Mitchell, R. Polycrystalline thin film solar cells: speculations on future research and development 4—50089
Zweifel, H.J. Dynamic, electrophysical measurement processes for biomedical systems 4—61755
Zwicknagl, P. Modulation of the *n*-channel conductivity in liquid phase epitaxially grown *p-n-p* doped GaAs submicron structures 4—30403
Zwicknagl, P., Rehm, W., Bauser, E. Modulation of electronic properties in liquid phase epitaxially grown p-n-p-n GaAs multilayers 4—41869
Zwicknagl, P. *see* Capani, P.M. 4—42049
Zwicky, R. *(editor)* Control in Power Electronics and Electrical Drives. Proceedings of the Third IFAC Symposium 4—50313
Zwol, N.A.van *see* van Zwol, N.A.
Zyabina, E.L. *see* Barabanov, I.R. 4—39454
Zyazyulya, F.E. *see* Berestov, A.V. 4—49079
Zybov, V.N. On suppression of effects of interfering factors in a two-frequency method of fault detection 4—50854
Zybov, V.N. Modes of a two-frequency method of eddy current control 4—59713
Zydzik, G.J. *see* Camlibel, I. 4—52797
Zygierewicz, J. *see* Broszczak, W. 4—44222
Zygmunt, H. Assumptions of JANTAR-80 system of converter control 4—34746
Zykin, F.A., Sidorov, V.A. Measuring the power in a distribution system with three-phase unbalanced loads 4—56587
Zykin, L.M. *see* Gusev, E.A. 4—49082
Zykoff, F.B. *see* Coneski, A.F. 4—30229, 4—40843
Zykov, A.M. *see* Zakharenkov, L.F. 4—58855
Zykov, Z.M. *see* Grekov, F.F. 4—30378
Zyss, J. *see* De Micheli, M. 4—37442
Zysset, B., Salathe, R.P. Photochemical etching of laser-induced defects in (Al,Ga)As heterostructures 4—58765
Zyubrovskii, L.G. *see* Avilov-Karnaukhov, B.N. 4—50251
Zyuganov, A.N. *see* Borkovskaya, O.Yu. 4—36327
Zyusse, R. *see* Danilov, L.V. 4—35602

BIBLIOGRAPHY INDEX

This index refers to those articles containing a significant list of references or bibliography on the subjects listed. Each entry gives the subject matter and the number of citations.

16-bit microprocessors, (158 refs.) 29167
3-D objects matching relational model, (50 refs.) 60208
AC and DC transmission at 1000 kV and above, (79 refs.) 34161
Acoustic and articulatory analysis, (56 refs.) 43234
Acoustic emission, (83 refs.) 46262
Acoustic microscopy, (66 refs.) 49482
Active filter design, (66 refs.) 41460
Advanced photovoltaic research and development program, (69 refs.) 45668
Amorphous Si conductivity and localisation, (124 refs.) 36292
Analogue integrated circuits, (80 refs.) 36800
Antennas, electrically small, (54 refs.) 53293
Arbiters for control of access to shared buses, (46 refs.) 51384
Atomic frequency standards, (66 refs.) 33418
Barrier layers in microelectronics, (60 refs.) 47072
Biological multimicroelectrode measurement system, (137 refs.) 48727
Biomechanical and rehabilitative engineering, (52 refs.) 49306
Biomedical information processing, (65 refs.) 39510
Cable TV, law on leasing in Western Germany, (61 refs.) 61051
Canadian cable TV industry regulation comparative analysis with US industry, (70 refs.) 44262
Caratheodory-Fejer theorem, (50 refs.) 57968
Cardiac pacing, (67 refs.) 33878
Cast epoxy compounds in HV engineering, (68 refs.) 36954
Cathodoluminescent garnet layers, (80 refs.) 42469
Ceramic dielectrics, electronic component applications, (53 refs.) 47145
Characterisation and growth of high-purity GaInAsP alloy semiconductors, (100 refs.) 30343
Chemical separation techniques for alpha-spectrometric measurements, (63 refs.) 55995
Choice problems, (117 refs.) 35391
Communications policy in US in 1983, (58 refs.) 32162
Compound semiconductor photovoltaic material growth, (62 refs.) 35461
Computer interfaced image tube intensified self-scanned array cameras, (52 refs.) 54998
Computer network performance, (83 refs.) 48289
Computerised quantitation of neurologic function, (58 refs.) 44706
Computers in radiotherapy, (203 refs.) 33861
Control and automation technology, (68 refs.) 45190
Control and instrumentation of nuclear power stations, (120 refs.) 62318
Control of AC-machines, (52 refs.) 57033
Crystal growth of optical communication materials, (72 refs.) 29451
Crystallographic aspects of linear electro-optic effect, (69 refs.) 42422
DDX public data network in Japan, (50 refs.) 32405
Deconvolution problems, (57 refs.) 37926
Defects in Schottky barrier structures, (56 refs.) 58800
Dielectric and polysilicon film deposition, (54 refs.) 41103
Digital optical computing, (127 refs.) 60191
Digital optical fibre systems design, (70 refs.) 38642
Digital transmission technology in Japan, (79 refs.) 32207
Direct broadcasting systems, (106 refs.) 54928
Discrete programming, (81 refs.) 35395
Distribution automation 1969-1982, (161 refs.) 56589
Double heterojunction lasers and quantum well lasers, (98 refs.) 42654
Dry etching, (88 refs.) 46965
Dry etching and VLSI, (50 refs.) 42125
Dry etching of silicon oxide, (68 refs.) 41713
Dynamic linear programming, (72 refs.) 35394
Electric arcs, electrode processes and applications, (616 refs.) 58674
Electric machine field theory, (121 refs.) 45451
Electric small power machines, (86 refs.) 62560
Electric utility rate design evolution in United States, (100 refs.) 34054
Electrical and photoelectronic properties of semi-insulating GaAs, (105 refs.) 46824
Electrical measurement techniques, (80 refs.) 61479
Electrical variable-speed drives, (385 refs.) 62729
Electricity supply industry in West Germany, (105 refs.) 44938
Electronic aids for blind persons, (84 refs.) 61819
Electronic funds transfer systems security, (60 refs.) 54030
Electrooptic wideband guided-wave A/D convertors, (67 refs.) 60194
ELF propagation update, (53 refs.) 59750
Environmental scanning at subunit level, (55 refs.) 50623
Excimer lasers and laser processing, (50 refs.) 42506
FET diodes, degradation mechanisms;, (90 refs.) 58919
Fibre nonlinear optics, (44 refs.) 31496
Fibre optic gyroscopes, (58 refs.) 31163
Fibre-optic gyroscopes, (100 refs.) 44487
Flat panel displays, (79 refs.) 61466
Forest survey and managing using remote sensing, (188 refs.) 61998
Fusion splice role in concatenation problem, (60 refs.) 42362
GaInAsP field-effect transistors;, (63 refs.) 30648
GaInAsP-InP DH lasers, (103 refs.) 31399
GaInAsP-InP photodetectors, (96 refs.) 33320
Gallium arsenide avalanche S-diodes, (67 refs.) 58902
Gas turbines, (129 refs.) 45313
Geological dating using ESR method, (198 refs.) 39683
Gerchberg-type linear deconvolution and extrapolation algorithms, (68 refs.) 43429
Graded-index surfaces and films, (75 refs.) 42445
Graph theory for electrical networks, (60 refs.) 40965
Guiding structures for millimetre waves, (126 refs.) 58490
Heat power industry, district heating supply, (171 refs.) 45260
HgI_2, crystal growth, (54 refs.) 29463
High field transport measurements in GaInAsP, (53 refs.) 30347
High power thyratrons, (80 refs.) 36241
High-pressure sodium lamp technology, (99 refs.) 62785
High-speed photodetectors, (41 refs.) 37223
Holographic scanning, (44 refs.) 31504
HVDC systems using static or synchronous compensators, (115 refs.) 34160
Hydrogen-evolving solar cells, (123 refs.) 40441
IC yield enhancement, fault-tolerant techniques review, (121 refs.) 41721
II-VI and I-VII semiconductors, (2511 refs.) 29118
III-V alloy growth by MBE, (63 refs.) 29500
III-V semiconductors, (79 refs.) 41833
III-V ternary antimonides, (203 refs.) 50745
Image sensors, solid-state devices, (59 refs.) 39076
IMPATT oscillators, injection locking, (52 refs.) 41596
Implantation of bubble garnets, (90 refs.) 42240
InP FETs, (63 refs.) 41600
Integrated circuit assembly and packaging, (62 refs.) 42129
Integrated-optics devices and fibre-optic communication line matching methods, (167 refs.) 31175
Integrated voice/data networks, performance requirements, (98 refs.) 32181
International voice communications to and from the US, (81 refs.) 43577
Ion beam implantation;, (51 refs.) 36662
Ion implantation for thin film optics, (50 refs.) 37169
Ion implantation in IV-VI semiconductors, (80 refs.) 51975
Ion implantation techniques, (70 refs.) 41971
ISDN, issues and options for the future, (104 refs.) 43905
Iterative algorithm reconstruction and synthesis applications, (83 refs.) 43428
ITU's structure and purpose, (64 refs.) 53987
Japan's telecommunications, (59 refs.) 53988
Large scale network architecture, (56 refs.) 32091
Laser development and applications at AT&T Bell Labs, (111 refs.) 52848
Laser diodes, thermal properties, (61 refs.) 42651
Laser source developments at IBM, (72 refs.) 52850
Laser-supported rocket propulsion, (77 refs.) 33951
Lasers at MIT Lincoln Laboratory, (206 refs.) 52851
Lasers for fusion and isotope separation, (71 refs.) 53125
Li anode cells, (498 refs.) 40372
Light amplifiers in optical communication systems, (53 refs.) 31404
Lightwave systems, digital, CAD, (58 refs.) 38605
Linear accelerators for radiotherapy;, (131 refs.) 39592
Liquid crystal displays, (209 refs.) 61467
Low field transport calculations in GaInAsP, (76 refs.) 30345
LPE growth of high-resistance GaAs, (53 refs.) 58035
LPE of GaInAsP, (73 refs.) 29498
Magneto-optical devices, (55 refs.) 42432
Magneto-optical devices, (52 refs.) 59138
Magnetostatic wave devices, (57 refs.) 31035
Magnetostriction of amorphous magnetic materials, (57 refs.) 36993
MBE technology and application, (50 refs.) 41055
Medical imaging system low contrast sensitivity, (66 refs.) 33806
Mellin transforms zeros, (52 refs.) 29330
Metal vapour ion lasers, (63 refs.) 37281
Metallisation in VLSI, (58 refs.) 42126
Methods for determining H_2S in environmental samples, (290 refs.) 56337
Metre definition, (71 refs.) 33467
Metrology techniques, (185 refs.) 39276
MIM devices, electrical properties, (190 refs.) 51915
Minimax robustness for system design, (51 refs.) 43315
Monomode fibre measurement and standards, (63 refs.) 61559
Monomode optical fibre interconnection devices, (74 refs.) 52558
MOS structures with multilayer and variable-band dielectrics, (59 refs.) 58803
MOS VLSI processing, (54 refs.) 52304
MOS VLSI technology, (56 refs.) 36845
Multielement thin film chemical microsensors, (58 refs.) 44484
Na/S batteries, (57 refs.) 34850
Neutron scattering instrumentation at reactor based installations, (115 refs.) 56038
Nickel electrode cell technology, (55 refs.) 40380
Nonlinear integrated optics, (54 refs.) 37470
Nuclear power station simulators, (457 refs.) 34360
Nuclear reactor industry in United States, (63 refs.) 34297
Numerical optical processing, integrated-optical approaches, (50 refs.) 60202
Offset parabolic reflector antennas, (63 refs.) 42943
Optical communication devices, (60 refs.) 38661
Optical fibre communication systems for voice and video signals, (53 refs.) 60861
Optical fibre transmission development, (57 refs.) 54767
Optical fibre waveguides in radiation environments, (67 refs.) 37112
Optical interconnections for VLSI systems, (58 refs.) 60868
Optical parametric oscillators, (80 refs.) 59588
Optical phase conjugation in multimode waveguides, (84 refs.) 31498
Optical switches, mirror type, (58 refs.) 52730
Organometallics in crystal growth, (126 refs.) 50746
Orotron electronic generators, (70 refs.) 41760
Overhead lines design and construction, (63 refs.) 62215
Pacemakers of the 1980s, (87 refs.) 33881
Particle physics, electronics experiments and data collectors, (128 refs.) 33651
Passive microwave remote sensing of atmosphere and ocean, (84 refs.) 61999
Pb/acid batteries, (111 refs.) 34839
PCM data transmission systems, noise immunity, (73 refs.) 53378
Perturbed optimisation problems, (71 refs.) 57951
Photochemical hole burning and its applications, (54 refs.) 37506
Photoelectrochemistry of semiconductors, (135 refs.) 46900
Photorefractive crystals as optical devices, elements and processors, (68 refs.) 52745
Physically handicapped, motor impaired and computers, (18 refs.) 56185
Picosecond pulse generation with semiconductor diode lasers, (49 refs.) 59508
Power line carrier communication, (41 refs.) 60638
Power MOSFETs, (78 refs.) 36604
Power system research at ENEL, (84 refs.) 45018
Protective relays under sine-wave distortion conditions, (85 refs.) 49628

Quasi-two-dimensional electron systems, (60 refs.) 51907
Rainfall measurement by radar, (99 refs.) 49453
Random process properties, (130 refs.) 46104
Reactive ion beam etching for production, (78 refs.) 42008
Reactive molecular beam epitaxy, (137 refs.) 41042
Real time control applications to power systems, (67 refs.) 39827
Realtime control applications to power systems, (71 refs.) 34020
Receiver design for high-speed optical-fibre systems, (101 refs.) 54755
Recursive-least-squares transversal filters for adaptive filtering, (78 refs.) 43334
Regenerative energy sources, (99 refs.) 45198
Remote sensing data analysis pattern recognition techniques, (69 refs.) 61900
Remote sensing image registration and mapping, (60 refs.) 53837
Resists for storage ring X-ray lithography, (101 refs.) 51931
Ring lasers, statistical properties, (146 refs.) 59558
Satellite meteorology survey, (99 refs.) 62000
SAW devices, (211 refs.) 47164
Scanning acoustic microscopes, (65 refs.) 62002
Sector-scanning sonar, (58 refs.) 38690
Security systems, fibre optic technology application, (57 refs.) 33296
Semiconductor advanced multilayer epitaxial structures, (52 refs.) 35481
Semiconductor deposition, growth and technology, (3424 refs.) 29119
Semiconductor device process simulation, (60 refs.) 42127
Semiconductor devices for optical communication systems, (57 refs.) 54768
Semiconductor devices, materials and processing technologies, (93 refs.) 46785
Semiconductor engineering, (60 refs.) 46985
Semiconductor epitaxial crystal growth by sputter deposition, (350 refs.) 29473
Semiconductor superlattices, quantum wells and heterostructures, (106 refs.) 41870
Sensor devices for industrial robots, (34 refs.) 55447
Shortest-path algorithms, (230 refs.) 40954
Si crystal growth and wafer preparation, (64 refs.) 41040
Si oxidation processes, (66 refs.) 42010
Si ribbons and ingots, crystal growth, (73 refs.) 50742
Si-SiO_2 interface, (96 refs.) 41906
Si VPE and MBE growth, (84 refs.) 41064
SiC high-temperature optoelectronic devices, (63 refs.) 58018
Signal description by means of local frequency spectrum, (57 refs.) 43422
SiO_2 MIS structure, electroluminescence, (51 refs.) 52812
SiO_2 synthesis by ion implantation, (58 refs.) 36397
Software QRS detection in ambulatory monitoring, (52 refs.) 44756
Solar Cell technology and economics, (63 refs.) 50048
Space nuclear reactors, (75 refs.) 40041
Speech analysis, highly parallel architectures and algorithms, (50 refs.) 53534
Speech communication in packet networks, (64 refs.) 32244
Speech perception, (89 refs.) 43235
Speech recognition, (85 refs.) 43236
State estimation for target tracking, (67 refs.) 32851
Steam generators and combustion technology, (125 refs.) 45261
Steam turbine surface condensers design, (82 refs.) 45289
Steam turbines, (86 refs.) 45288
Stereophonic sound reproduction;, (138 refs.) 48659
Structural optimisation, (58 refs.) 50703
Superconducting turbogenerator research, (55 refs.) 34572
Superconductor stability, (56 refs.) 42309
Switched capacitor network analysis, (54 refs.) 30004
Synchronous machine with convertor, (89 refs.) 34624
Tactile aids for deaf people, (148 refs.) 44780
Technology and the diabetic patient, (113 refs.) 61807
Telecommunications policy-making in New Zealand, (57 refs.) 43526
Thick film hybrid IC materials;, (60 refs.) 46740
Thin film optical coatings, (66 refs.) 42444
Time resolved charge transport in a-Si:H, (122 refs.) 36293
Tubular lamps with shortened emission pulses, (104 refs.) 35032
Two-dimensional optical processing using one-dimensional input devices, (61 refs.) 60204
Ultralloys for nuclear thermionic conversion, (78 refs.) 40497
Ultrasonic nondestructive testing, (70 refs.) 46264
UV ion lasers, (80 refs.) 37280
Vector quantisation design algorithms, (77 refs.) 43097
Vertical antenna efficiency improvement, (72 refs.) 31796
Video tape recorders, historical overview, (110 refs.) 55061
Visual systems, 2-D and 3-D descriptions of objects, (159 refs.) 32056
VLSI and software design, parallels, (65 refs.) 52248
VLSI device and process modelling, (165 refs.) 36719
VLSI diagnostic techniques, (52 refs.) 42128
VLSI process integration, (95 refs.) 42148
VLSI processing and Si material phenomena, (53 refs.) 52163
VLSI reliability and failure mechanisms, (219 refs.) 36721
VLSI, sources of failures and yield improvement, (114 refs.) 52214
VLSI technology using supercomputers, (85 refs.) 30699
VLSI testing software and hardware, (71 refs.) 52247
Voice response systems, (72 refs.) 53448
Wiener-Kolmogorov theory, (56 refs.) 43314
X-ray and γ-ray imaging using microchannel plates, (91 refs.) 39500

BOOK INDEX

This lists the titles of books abstracted in the six months covered by the index. Most books are abstracted as a single monograph but where appropriate individual chapters may also be abstracted. Where this is so the abstract of the book itself is indicated by (*introductory abstract*).

16-bit microprocessors; I.R.Whitworth, [London, England: Granada Technical Books 1984] 29167

1984 IEC yearbook. World standards for electrical and electronic engineering; [Geneva, Switzerland: International Electrotechnical Commission 1984] 57697

Amorphous metallic alloys; *F.E.Luborsky (editor/s),* [London, England: Butterworths 1983] 30944, 30965

Analog and switching circuit design using integrated and discrete devices; J.Watson, [Bristol, England: Adam Hilger 1984] 57730

Analysis and design of digital integrated circuits. International Student Edition; D.A.Hodges, H.G.Jackson, [Maidenhead, Berks., England: McGraw-Hill 1983] 45875

Annual review of energy. Vol.8; *J.M.Hollander, H.Brooks (editor/s),* [Palo Alto, CA, USA: Annual Reviews 1983] 29114 (introductory abstract), 34054, 34297, 34355, 34473

Basic instrumentation lecture notes and study guide. Vol.1. Measurement fundamentals. Third edition; R.L.Moore, [Research Triangle Park, NC, USA: ISA 1982] 57728

Basic instrumentation lecture notes and study guide. Vol.2. Process analysers and recorders. Third edition; R.L.Moore, [Research Triangle Park, NC, USA: ISA 1982] 57729

Beginner's guide to radio. Ninth edition; G.J.King, [London, England: Newnes Technical Books 1984] 29123

Computer science and technologies 1982; *T.Kitagawa (editor/s),* [Amsterdam, Netherlands: North-Holland 1982] 41387

Computers and microprocessors, components and systems; A.C.Downton, [Wokingham, Berks., England: Van Nostrand Reinhold 1984] 57731

Cost effective TV studio design considerations; [Kuala Lumpur, Malaysia: Asia-Pacific Broadcasting Union 1983] 40700

D.E.R. 83. Electricite de France - direction des etudes et recherches (D.E.R.83. Electricite de France - direction from research study); [Paris, France: Electricite de France 1983] 62085

Designing and implementing local area networks; D.N.Chorafas, [New York, USA: McGraw-Hill 1984] 40695

Dictionary of microprocessor systems in four languages, English, German, French, Russian; *D.Muller (editor/s),* [Amsterdam, Netherlands: Elsevier 1984] 40694

Digital communications; J.G.Proakis, [New York, USA: McGraw-Hill 1983] 57692

Digital design; M.M.Mano, [Englewood Cliffs, NJ, USA: Prentice-Hall 1984] 50307

Digital signal processing. Second edition; W.D.Stanley, G.R.Dougherty, R.Dougherty, [Reston, VA, USA: Reston Publishing Co. 1984] 35126

Digital tape standards; [Tulsa, OK, USA: Society of Exploration Geophysicists 1982] 61908 (introductory abstract), 61909–11

Discrete optimization algorithms with Pascal programs; M.M.Syslo, N.Deo, J.S.Kowalik, [Englewood Cliffs, NJ, USA: Prentice-Hall 1983] 29381

Dislocations in solids. Vol.6. Applications and recent advances; *F.R.N.Nabarro (editor/s),* [Amsterdam, Netherlands: North-Holland 1983] 50791

Dissipative systems in quantum optics. Resonance fluorescence, optical bistability, superfluorescence; *R.Bonifacio (editor/s),* [Berlin, Germany: Springer-Verlag 1982] 35165 (introductory abstract),

Electrical installation technology 1. Second edition; M.L.Lewis, [London, England: Hutchinson 1984] 29194

Electrical installation technology 2. Second edition; M.L.Lewis, [London, England: Hutchinson 1984] 35234

Electrical installation technology 3; M.L.Lewis, [London, England: Hutchinson 1984] 35235

Electronic measuring instruments catalog 1984; [Eningen, Germany: Wandel & Goltermann 1984] 45831 (introductory abstract), 48329, 48815–16, 48917–22, 48944–58, 50967–8, 51056–7, 51083, 51396, 54129, 54601–2, 54631–2, 55205–15, 55273, 55343–8, 55367, 55504–19, 55560–77, 55585–9, 55623

Electronic synthesis of speech; R.Linggard, [Cambridge, England: Cambridge 1984] 29115

Energy: principles, problems, alternatives. Third edition; J.Priest, [Reading, MA, USA: Addison-Wesley 1984] 50308

Enseignement assiste par ordinateur. Atelier de traitement numerique des signaux (Computer aided instruction. Digital signal processing workshop); M.Kunt, [Lausanne, Switzerland: Presses Polytechniques Romandes 1984] 45876

Finite elements, computational aspects. Vol.III; G.F.Carey, J.T.Oden, [Englewood Cliffs, NJ, USA: Prentice-Hall 1984] 57727

Finite elements for electrical engineers; P.P.Silvester, R.L.Ferrari, [Cambridge, England: Cambridge June 1983] 29168

Foundations of wireless and electronics. Tenth edition; M.G.Scroggie, S.W.Amos, [London, England: Newnes Technical Books 1984] 35124

From compass to computer. A History of electrical and electronics engineering; W.A.Atherton, [London, England: MacMillan 1984] 35123

GaInAsP alloy semiconductors; *T.P.Pearsall (editor/s),* [Chichester, West Sussex, England: Wiley 1982] 29113 (introductory abstract), 29497–500, 30343–7, 30517, 30648, 31399–400, 33320

Grundlagen der elektrotechnik (Basics of electrotechnology); E.Philippow, [Berlin, Germany: VEB Verlag Technik 1984] 57698

Guide to electronic measurements and laboratory practice. Second edition; S.Wolf, [Englewood Cliffs, NJ, USA: Prentice-Hall 1983] 29116

Handbook of batteries and fuel cells; *D.Linden (editor/s),* [New York, USA: McGraw-Hill 1984] 35122

Holographic and speckle interferometry; R.Jones, C.M.Wykes, [Cambridge, England: Cambridge 1982] 29165

IEE wiring regulations. Regulations for electrical installations. Fifteenth edition 1981, incorporating amendments May 1984; [London, England: IEE May 1984] 50454

Information centre. State of the art report; *E.Bird, D.Firnberg (editor/s),* [Maidenhead, Berks., England: Pergamon Infotech 1984] 54209

Information theory approach to communications; *G.Longo (editor/s),* [Wien, Austria: Springer-Verlag 1980] 35125 (introductory abstract), 37801–2, 37849–52, 38088–90, 38651

Introduction to interval computations; G.Alefeld, J.Herzberger, *J.Rokne (translator/s),* [London, England: Academic Press 1983] 29386

Ion implantation for materials processing; *F.A.Smidt (editor/s),* [Park Ridge, NJ, USA: Noyes Data 1983] 41827, 41970

Landolt-Bornstein numerical data and functional relationships in science and technology. New series. Group III: Crystal and solid state physics. Vol.17. Subvol.a. Physics of group IV elements and III-V compounds; *O.Madelung (editor/s),* [Berlin, Germany: Springer-Verlag 1982] 29117 (introductory abstract),

Landolt-Bornstein numerical data and functional relationships in science and technology. New series. Group III: Crystal and solid state physics. Vol.17. Semiconductors. Subvol.b. Physics of II-VI and I-VII compounds, semimagnetic semiconductors; *O.Madelung (editor/s),* [Berlin, Germany: Springer-Verlag 1982] 29118

Landolt-Bornstein numerical data and functional relationships in science and technology. New series. Group III: Crystal and solid state physics. Vol.17. Semiconductors. Subvol.c. Technology of Si, Ge and SiC; *M.Schulz, H.Weiss (editor/s),* [Berlin, Germany: Springer-Verlag 1984] 29119

Landolt-Bornstein numerical data and functional relationships in science and technology. New series. Group III: Crystal and solid state physics. Vol.17. Semiconductors. Subvol.e. Physics of non-tetrahedrally bonded elements and binary compounds I; *O.Madelung (editor/s),* [Berlin, Germany: Springer-Verlag 1983] 29120

Landolt-Bornstein numerical data and functional relationships in science and technology. New series. Group III: Crystal and solid state physics. Vol.17. Semiconductors. Subvol.f. Physics of non-tetrahedrally bonded binary compounds II; *O.Madelung (editor/s),* [Berlin, Germany: Springer-Verlag 1983] 29121

Logic circuits. Third edition; N.M.Morris, [London, England: McGraw-Hill 1983] 29166

Logic designer's handbook; E.A.Parr, [London, England: Granada 1984] 40693

Matrix polynomials; I.Gohberg, P.Lancaster, L.Rodman, [London, England: Academic Press 1982] 29413

Microcomputer systems: The 8086/8088 family. Architecture, programming and design; Y.-C.Liu, G.A.Gibson, [Englewood Cliffs, NJ, USA: Prentice-Hall 1984] 35120

Microwave antenna theory and design; *S.Silver (editor/s),* [London, England: Peter Peregrinus 1984] 57696

Modeling and simulation on microcomputers: 1984; *R.Swartz (editor/s),* [La Jolla, CA, USA: Society for Computer Simulation 1984] 46300, 46382, 49673

Optical communication systems; J.Gowar, [Englewood Cliffs, NJ, USA: Prentice-Hall 1984] 40698

Optical fibre sensing and signal processing; B.Culshaw, [London, England: Peter Peregrinus 1984] 40699

Optical radiation measurements. Vol.4. Physical detectors of optical radiation; W.Budde, [New York, USA: Academic Press 1983] 33321

Optical waves in crystals. Propagation and control of laser radiation; A.Yariv, P.Yeh, [New York, USA: Wiley 1984] 45874

Optimisation methods in electronics and communications; *K.W.Cattermole, J.J.O'Reilly (editor/s),* [London, England: Pentech Press 1984] 40697, 40978–82, 41444–7, 41454, 44133–4

Physics of hydrogenated amorphous silicon II. Electronic and vibrational properties; *J.D.Joannopoulos, G.Lucovsky (editor/s),* [Berlin, Germany: Springer-Verlag 1984] 35119 (introductory abstract), 36292–3

Problems of randomness in communication engineering; *K.W.Cattermole, J.J.O'Reilly (editor/s),* [London, England: Pentech Press 1984] 40696, 43034–40, 43081–4, 43134–6, 43368, 43500–1

Satellite experimenter's handbook; M.R.Davidoff, [Newington, CT, USA: American Radio Relay League 1984] 57695

Satellite microwave remote sensing; *T.D.Allan (editor/s),* [Chichester, West Sussex, England: Ellis Horwood 1983] 43468–9, 44155, 44906, 44921–2

Semiconductor technologies; *J.Nishizawa (editor/s),* [Amsterdam, Netherlands: North-Holland 1983] 45829 (introductory abstract), 46211, 46251, 46475–6, 46806, 46831, 46965–6, 46983, 47059–60, 47105–7, 47138–9, 48756–8

Semiconductors and electronic devices. 2nd edition; A.Bar-Lev, [Englewood Cliffs, NJ, USA: Prentice-Hall 1984] 29122

Semiconductors and semimetals. Vol.19. Deep levels, GaAs, alloys, photochemistry; *R.K.Willardson, A.C.Beer (editor/s),* [New York, USA: Academic Press 1983] 45830 (introductory abstract), 46824, 46900

Soldering in electronics; R.J.K.Wassink, [Ayr, Scotland: Electrochemical Publications 1984] 57693

Solid state industrial electronics; R.A.Pearman, [Reston, VA, USA: Reston Publishing Company 1984] 40735

Study notes for technicians. Microprocessor based systems levels 4 and 5; R.C.Holland, [Maidenhead, Berks., England: McGraw-Hill 1984] 29169

Telecommunication principles; J.J.O'Reilly, [Wokingham, Berks., England: Van Nostrand Reinhold 1984] 50309

Telecommunication technologies; *H.Inose (editor/s),* [Amsterdam, Netherlands: North-Holland 1983] 29124 (introductory abstract), 32207–8, 32275–6, 32291–3, 32320, 32405–11, 32571–3, 32604–6, 32702, 32738–9

Telemetry computer systems. An introduction; O.J.Strock, [Englewood Cliffs, NJ, USA: Prentice-Hall 1983] 35121

User view of communications standards. Some suggestions for users of information technology on development of a strategy for the selection and adoption of communications standards; [Manchester, England: National Computing Centre Jan. 1984] 54071

VLSI technology; *S.M.Sze (editor/s),* [New York, USA: McGraw-Hill 1983] 40736 (introductory abstract), 40889, 41040, 41064, 41103, 41971, 42010, 42124–9, 42148

Ways to open communication. The ISO reference model in the context of communications; [Munich, Germany: Siemens Oct. 1983] 57694

X-ray equipment for student radiographers; D.N.Chesney, M.O.Chesney, [Oxford, England: Blackwell 1984] 29170

CONFERENCE INDEX

This index lists conferences for which published proceedings have been abstracted in the six-month period. Conferences reported in journals are also included in this list. The abstract relating to the conference itself is indicated by (*introductory abstract*). When papers from a conference appear in more than one publication there will be a corresponding number of entries in the index.

1983 IES Annual conference; Los Angeles, CA, USA, 7-11 Aug. 1983, [Oct. 1983] 50302 (introductory abstract), 55595, 57504–16, 57530–6

1983 SID international symposium; Philadelphia, PA, USA, 9-13 May 1983, *(SID)* [1984] 50305 (introductory abstract), 52813–14, 54382, 55600–6

7th British Robot Association conference; Cambridge, England, 14-16 May 1984, *(British Robot Assoc.) T.E.Brock (editor/s),* [Kempston, Bedford, England: British Robot Assoc. May 1984] 50322 (introductory abstract), 50378, 50434, 50457, 50604–5, 51649, 53945–50, 55079, 55688–9, 57438, 57643–4

AAMI 19th annual meeting; Washington, DC, USA, 14-18 April 1984, *(AAMI)* [Arlington, VA, USA: Assoc. Adv. Med. Instrum. 1984] 50329 (introductory abstract),

Acoustics, speech and signal processing; San Diego, CA, USA, 19-21 March 1984, *(IEEE)* [New York, USA: IEEE 1984] 50312 (introductory abstract), 50619, 50730–1, 51084–5, 51310–12, 51397, 51455–70, 52237, 52309, 53348–62, 53483–578, 53672–777, 53917–42, 54210, 54461–4, 54476, 54500, 54872–3, 54905, 55117–19, 55350–8, 56131, 56281–3, 56312–13, 57999–8000, 58428–9, 58463–8, 59681, 59888–9, 59905–10, 59965–60010, 60048–146, 60227–71, 60554–5, 60665, 60887–95, 60922–9, 61049–50, 61545, 61802, 61941

Advanced batteries and fuel cells; Talence, France, 25-26 April 1983, *H.Ehringer, P.Zegers, G.Hoyaux (editor/s),* [Luxembourg: Comm. European Communities 1983] 40712 (introductory abstract), 45537–8, 45609–19, 45719–20

Advanced infrared sensor technology; Geneva, Switzerland, 18-19 April 1983, *(SPIE)* [1983] 50280 (introductory abstract), 52766, 52786–7, 53118, 54740–2, 55227–33, 55383, 55459–67, 55718, 56086–8, 56264–8, 57674

Advanced semiconductor processing and characterization of electronic and optical materials; Los Angeles, CA, USA, 24-25 Jan. 1984, *(SPIE)* [1984] 50295 (introductory abstract), 51815, 51865–7, 51883, 51934–7, 51977–80, 52005–6, 52089, 52163, 52728, 55735

Advances in instrumentation, pt. I; Houston, TX, USA, 10-13 Oct. 1983, [Research Triangle Park, NC, USA: ISA 1983] 50333 (introductory abstract), 50379, 50484–6, 50606–7, 54174, 55283–4, 55453–4, 55764–6, 56238, 56335, 56492–3, 56710, 56769–70, 56783–5, 57672–3

Advances in instrumentation, pt. II; Houston, TX, USA, 10-13 Oct. 1983, [Research Triangle Park, NC, USA: ISA 1983] 59180 (introductory abstract), 57768, 57867, 58626, 59263, 59651, 59682, 60277, 60366, 60542, 60881–3, 61179–80, 61238–9, 61285, 61403–4, 61543, 61575, 61590–1, 62406, 62641, 62879–80, 62889

Aerospace applications; Vail, CO, USA, 28 Jan.-4 Feb. 1984, *(IEEE)* [New York, USA: IEEE 1984] 45839 (introductory abstract), 47316, 47637, 47814, 48444–5, 48459, 48909, 49353–5, 49370–2, 49428, 49474

Airborne collision avoidance TCAS; London, England, 5 March 1984, *(IEE)* [London, England: IEE 1984] 29144 (introductory abstract), 33938–44

Algebraic methods in graph theory; Szeged, Hungary, 24-31 Aug. 1978, *L.Lovasz, V.T.Sos (editor/s),* [Amsterdam, Netherlands: North-Holland 1981] 40701 (introductory abstract),

All-electric aircraft; Dayton, OH, USA, 30 Nov. 1983, *(IEEE; AESS)* [May 1984] 45825 (introductory abstract), 49379–81, 49432–4

Alpha particle spectrometry; Geel, Belgium, 14 Oct. 1981, [April 1984] 39400

Alpha-particle spectrometry and low-level measurement; Harwell, England, 10-13 May 1983, [15 June 1984] 55995–6029, 61672–3, 61712, 61724, 61739

Alternative energy sources; Miami Beach, FL, USA, 12-14 Dec. 1983, *T.N.Veziroglu (editor/s),* [Coral Gables, FL, USA: Univ. Miami 1983] 29128 (introductory abstract), 29186, 33530, 33581, 34001, 34253–6, 34317–19, 34365, 34397, 34474–5, 34481–3, 34504–10, 34535–8, 34823–4, 34899–902, 34942–3, 34954, 35017, 35061–2, 35087, 35166, 40124, 40136–7, 40140, 40165, 40369, 40622, 40665

American Nuclear Society annual meeting; New Orleans, LA, USA, 3-7 June 1984, *(ANS)* [1984] 57796, 58985, 59078–86, 59176, 61708, 61859–60, 62303–13, 62330–5, 62397–402, 62759

American power conference; Chicago, IL, USA, 18-20 April 1983, *(Illinois Inst. Technol)* [Chicago, IL, USA: Illinois Inst. Technol. 1983] 45832 (introductory abstract), 45877–86, 45912, 45940, 47567, 48388, 48731–2, 49540–8, 49564–5, 49571–2, 49580–2, 49610–11, 49619, 49633, 49643–4, 49650, 49652–6, 49662–3, 49674–95, 49704–8, 49730–9, 49746–82, 49801–8, 49824–5, 49842–6, 49940, 49972, 50005–7, 50019, 50133–4, 50265

American Vacuum Society 30th symposium; Boston, MA, USA, 31 Oct.-4 Nov. 1983, [April-June 1984] 41045–8, 41080–1, 41833, 41889, 41906, 41957–9, 41986–7, 42448–9, 42622, 44641–4, 46220–3, 46240–3, 46739, 46825, 46845–7, 46861–2, 46905, 46941–7, 46969–73, 47071–3, 47236, 47325, 50046, 50111

American Vacuum Society 30th symposium; Boston, MA, USA, 31 Oct.-4 Nov. 1983, [April-June 1984] 46754, 46893–4, 50491, 50812, 55784–5

Annual simulation symposium; Tampa, FL, USA, 14-16 March 1984, *(IEEE) E.R.Comer (editor/s),* [New York, USA: IEEE 1984] 47812

Annual textile industry conference 1984; Atlanta, GA, USA, 2-3 May 1984, *(IEEE)* [New York, USA: IEEE 1984] 50342 (introductory abstract), 50465–6, 56851, 56948, 57098, 57439–40, 57587, 57648

Antarctic earth sciences; Adelaide, South Australia, 16-20 Aug. 1982, *R.L.Oliver, P.R.James, J.B.Jago (editor/s),* [Cambridge, England: Cambridge 1983] 44907

APL 84; Helsinki, Finland, 11-15 June 1984, *(ACM)* [June 1984] 50891, 51097, 54336, 54445, 58943

Applications of artificial intelligence; Arlington, VA, USA, 3-4 May 1984, *(SPIE)* [1984] 59951, 60165–8, 60915, 61188, 61886

Applications of digital image processing; San Diego, CA, USA, 23-26 Aug. 1983, *(SPIE)* [1983] 50291 (introductory abstract), 53123, 53809–52, 55249

Architecture and algorithms for digital image processing; San Diego, CA, USA, 25-26 Aug. 1983, *(SPIE)* [1983] 50292 (introductory abstract), 53853–82, 54997–8

Astrodynamics 1983; Lake Placid, NY, USA, 22-25 Aug. 1983, *(AAS) G.T.Tseng, P.J.Cefola, P.M.Bainum, D.A.Levinson (editor/s),* [San Diego, CA, USA: AAS 1984] 44193, 44840, 48446, 48519, 48529–30, 49356, 49373, 49429

Atomic collisions in solids 1983; Bad Iburg, Germany, 18-22 July 1983, [March 1984] 37343, 41964

Atomic spectroscopy; Berkeley, CA, USA, 12-16 Sept. 1983, [April 1984] 37258, 37443

Audio Engineering Society convention; Paris, France, 27-30 March 1984, [New York, USA: Audio Eng. Soc. 1984] 40709 (introductory abstract), 41158, 43191, 43289, 43393–7, 44337–53, 44371–81, 44554, 44609, 44657–60

Australian computer conference; Melbourne, Australia, 26-30 Sept. 1983, *(Australian Comput. Soc)* [Watson, ACT, Australia: Australian Comput. Soc. 1983] 45947, 47996, 48267–71

Automated manufacturing; Birmingham, England, 16-19 May 1983, *(IFS (Conferences))* [Kempston, Beds., England: IFS (Publications) 1983] 53130–2, 55220, 55447, 57468

Beacon satellite studies; New Delhi, India, Feb. 1983, [May-June 1984] 45826 (introductory abstract), 47611–21

Biomedical optical fibres; Paris, France, 16-19 May 1983, *(SPIE; Soc. Francaise du Laser Med)* [1984] 45820 (introductory abstract), 47244–5, 49295–302, 49326, 49335

Broken Hill conference 1983; Broken Hill, NSW, Australia, July 1983, [Parkville, Vic., Australia: Australasian Inst. Min. & Metall. 1983] 29141 (introductory abstract), 29189, 33969–70

Cable 84; London, England, 10-12 July 1984, [Pinner, Middx., England: Online Publications 1984] 57705 (introductory abstract), 54216–17, 55024–41, 60465–6, 61063–73

CAD Engineering; Boston, MA, USA, 11-12 Oct. 1983, [New York, USA: Morgan-Grampian 1983] 45997, 46728

Chemical vapour deposition; Neuchatel, Switzerland, 16-18 April 1980, *H.E.Hintermann (editor/s),* [Neuchatel, Switzerland: Lab. Suisse de Recherche Horlogeres 1980] 35511–12, 37157

Circuits and systems; Puebla, Mexico, 15-16 Aug. 1983, *E.S.Sinencio (editor/s),* [North Hollywood, CA, USA: Western Periodicals 1983] 35145 (introductory abstract), 35415, 35568, 35587, 35593, 35596–9, 35604, 35668, 35684–6, 35726–8, 35885, 35929, 35937–8, 35953–64, 35975–80, 36079, 36157, 36159, 36167–8, 36260, 36548, 36562, 36798–801, 36916–19, 36989, 37814–15, 37910–13, 38017–21, 38105–11, 38130–1, 38332–3, 38426, 38688, 39170, 39574, 39823–6, 39847, 40538, 40882, 40962–6, 41149–50, 41159–62, 41166–8, 41176–8, 41448, 41456–7, 41479–86, 41507–8, 41531, 41614, 42025, 42137, 42452, 43661, 45065–9, 45109, 45166–7, 45496

Coherent and nonlinear optics; Erevan, USSR, 22-25 Nov. 1982, [1983] 57679 (introductory abstract), 59073, 59181, 59585

Coherent infrared radar systems; Arlington, VA, USA, 7-8 April 1983, *(SPIE)* [1983] 50282 (introductory abstract), 52725–6, 52876–7, 52958, 53797, 54893–902, 56287–9

Coherent laser radar; Aspen, CO, USA, 1-4 Aug. 1983, [1 Aug. 1984] 59385, 59652, 60912, 61916–17

CommunicAsia 84/InfotechAsia 84; Singapore, 23-26 May 1984, [Singapore: Singapore Exhibition Services 1984] 57712 (introductory abstract), 54080–1, 54157, 54477, 54561–73, 54588–9, 54707, 60361–5, 60413, 60428–9, 60467, 60535–41, 60565–7, 60611–12, 60624, 60631, 60636, 60668–70, 60735–7, 60778–83, 60879–80, 61110, 61237

Communication regulation; Geneva, Switzerland, April 1983, *J.F.Rada, G.R.Pipe (editor/s),* [Amsterdam, Netherlands: North-Holland 1984] 57716 (introductory abstract), 60367–73, 60546–9

Communications engineering research satellite; London, England, 10 April 1984, *(IEE)* [London, England: IEE 1984] 35150 (introductory abstract), 38375, 38387, 38499, 38573–9

COMPUMAG-Genoa; Santa Margherita Ligure, Italy, 30 May-2 June 1983, *(IEEE; IEE; Assoc. Elettrotecnica & Elettronica Italiana; CNR Italy; EPS)* [Nov. 1983] 29384–5, 29395–8, 29409–12, 29430, 30138, 30983, 31024, 31028–9, 31049, 31086, 31553–62, 31569, 31575–7, 31583, 31587–602, 31610, 31614–15, 33602–3, 34575–7, 34608–13, 34656, 34795, 35046–7

Computer applications in medical care; Washington, DC, USA, 23-26 Oct. 1983, *(IEEE) R.E.Dayhoff (editor/s),* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1984] 43470, 43804–5, 44740–1

Computer-communication system performance; Zurich, Switzerland, 21-23 March 1984, *(EPS) H.Rudin, W.Bux (editor/s),* [Amsterdam, Netherlands: North-Holland 1984] 48272 (introductory abstract), 47932–42, 48023, 48273–91, 48441–3

Computer controlled PABXs; London, England, 23 May 1984, *(IEE)* [London, England: IEE 1984] 48360 (introductory abstract), 48361–2

Computer-generated holography; San Diego, CA, USA, 25-26 Aug. 1983, *(SPIE)* [1983] 57686 (introductory abstract), 59296, 59615–32, 60158–63, 60914

Computer graphics Tokyo; Tokyo, Japan, 24-27 April 1984, [Tokyo, Japan: Japan Manage. Assoc. 1984] 52264

Computer networks for packet commutation; Riga, USSR, Sept. 1983, [Riga, USSR: Akademiya Nauk Latviiskoi SSR 1983] 32281, 32460–83

Computer performance evaluation; San Francisco, CA, USA, 25-28 Oct. 1983, *D.Mobray (editor/s),* [Washington, DC, USA: NBS 1983] 43502–4

Computers in cardiology; Menorca, Spain, 25-28 May 1983, *G.M.Quetglas, P.W.Macfarlane, A.F.Perez de Talens, J.C.Aguilar (editor/s),* [Amsterdam, Netherlands: North-Holland 1984] 49233 (introductory abstract), 49134–9, 49189–91, 49234–81, 49321

Computers in design engineering; Brighton, Sussex, England, 3-5 April 1984, *J.Wexler (editor/s),* [Guildford, Surrey, England: Butterworths 1984] 50673, 57932−4, 58119−20, 58132, 58276, 58383, 62405, 62541

Computing for safe control; London, England, 14 May 1984, *(IEE)* [London, England: IEE 1984] 40722 (introductory abstract), 45247

Conduction and breakdown in solid dielectrics; Toulouse, France, 4-8 July 1983, *(IEEE)* [June 1984] 57691 (introductory abstract), 58560, 59055−62, 59077, 61480

Control of power systems; Oklahoma City, OK, USA, 19-21 March 1984, *(IEEE; Oklahoma Electr. Leage; Univ. Oklahoma)* [New York, USA: IEEE 1984] 45836 (introductory abstract), 49557−9, 49634−5, 49651, 49740, 49898−900, 49983, 50106

Control systems for large plants; London, England, 23 March 1984, *(IEE)* [London, England: IEE 1984] 35148 (introductory abstract), 39835−6

Converter drives; Krakow, Poland, 22 Oct. 1982, [Aug.-Sept. 1983] 29112 (introductory abstract), 30167, 30613, 30866, 34217, 34235, 34691, 34746−9, 34974−5, 35102

Cosmic ray conference; Bangalore, India, 22 Aug.-3 Sept. 1983, *(IUPAP) N.Durgaprasad, S.Ramadurai, P.V.Ramana Murthy, M.V.S.Rao, K.Sivaprasad (editor/s),* [Bombay, India: Tata Inst. Fundamental Res. Aug. 1983] 61711, 61719−20, 61733

Cosmic rays; Erice, Italy, 20-30 June 1982, *M.M.Shapiro (editor/s),* [Dordrecht, Netherlands: Reidel 1983] 55852−4

Coupled nonlinear oscillators; Los Alamos, NM, USA, 21-23 July 1981, *J.Chandra, A.C.Scott (editor/s),* [Amsterdam, Netherlands: North-Holland 1983] 42303−4, 42518

Crypto 83; Santa Barbara, CA, USA, 21-24 Aug. 1983, *(Int. Assoc. Cryptologic Res) D.Chaum (editor/s),* [New York, USA: Plenum 1984] 50336 (introductory abstract), 51391, 53421−46

Crystal growth; Stuttgart, Germany, 12-16 Sept. 1983, [Dec. 1983] 29110 (introductory abstract), 29451−64, 29485−9, 29510, 30327−9, 30384, 30493, 35458−66, 35477−85, 35503

Curriculum for test technology; Minneapolis, MN, USA, 16-17 Nov. 1983, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1983] 29138 (introductory abstract), 29172−3, 29221, 29235−41, 29288−9, 29734, 29758−9, 29835−9, 29884, 30740−3, 32458, 33146−8

Custom integrated circuits; Rochester, NY, USA, 21-23 May 1984, *(IEEE)* [New York, USA: IEEE 1984] 57703 (introductory abstract), 51183−7, 51250, 52044, 52142−6, 52258−62, 52311−13, 54501−3, 54605, 54830, 57766, 58121−3, 58159, 58188, 58202, 58216, 58223−7, 58277−94, 58345−6, 58384−90, 58407−8, 58430−2, 58455, 58471−2, 58480, 58987−9008, 59018−21, 59037−47, 59348−50, 60276, 60433, 60439, 61077, 61235, 61359, 62566−7

Cybernetics and systems research; Vienna, Austria, 24-27 April 1984, *R.Trappl (editor/s),* [Amsterdam, Netherlands: North-Holland 1984] 50470, 50620−1, 50732, 50909, 51390, 53363−4, 53784, 53951, 54215, 54419, 55080, 56117, 56149

Decision and control; San Antonio, TX, USA, 14-16 Dec. 1983, *(IEEE)* [New York, USA: IEEE 1983] 40983, 43073, 43386−92, 45283, 46073−4, 46077, 46086−7, 46103, 46108−9, 46166−8, 46289, 46586, 47734, 47880−90, 47931, 48515−17, 49319−20, 49345−6, 49424, 49549−56, 49566, 49696, 49709−10, 49809, 49826, 50638−9, 50889, 53380, 53783

Deployable optical systems; Los Angeles, CA, USA, 18-19 Jan. 1983, *(SPIE)* [1983] 40683 (introductory abstract), 42945

Dielectric materials, measurement and applications; Lancaster, England, 10-13 Sept. 1984, *(IEE)* [London, England: IEE 1984] 57713 (introductory abstract), 57822, 58067, 58103−4, 58567−73, 59052−4, 59065−8, 59072, 59074−5, 59088−99, 59103−4, 59694, 61501−7, 62201−3, 62221−3, 62262, 62503, 62602, 62672

Digital avionics systems; Seattle, WA, USA, 31 Oct.-3 Nov. 1983, *(IEEE)* [New York, USA: IEEE 1983] 40704 (introductory abstract), 40890−2, 43859, 43959, 44000, 44189−92, 44829, 44845−71, 46512, 47108, 48415, 48506, 48514, 49366, 49383−423, 49435, 49440

Digital communications; Zurich, Switzerland, 6-8 March 1984, *(IEEE)* [New York, USA: IEEE 1984] 40714 (introductory abstract), 43074−5, 43193−204, 43291−2, 43473−4, 43815, 43835, 43860−1, 43913, 43960, 44017, 44212, 44228−30, 44297

Distributed computer control systems; Sabi-Sabi, Transvaal, South Africa, 18-20 May 1983, *M.G.Rodd (editor/s),* [Oxford, England: Pergamon 1984] 48256

Domestic satellite communications; Shanghai, China, 5-12 Oct. 1983, [Shanghai, China: Int. Telecommun. Union Int. Radio Consultative Committee 1983] 57714 (introductory abstract), 53284, 54714−34, 58512, 59879, 60784−813, 60953, 60986

Double Stars; Lembang, Java, 3-7 June 1983, [Feb. 1984] 44194

Dynamics of interfaces; Lille, France, 12-16 Sept. 1983, [April 1984] 40691 (introductory abstract), 41870−2, 41894−9

Earth sciences technological advances; Islamabad, Pakistan, 22-25 June 1980, *K.J.Miller (editor/s),* [Cambridge, England: Cambridge 1984] 33990−1

Earthquakes: Observation, theory and interpretation; Varenna, Italy, 29 June-9 July 1982, *H.Kanamori, E.Boschi (editor/s),* [Amsterdam, Netherlands: North-Holland 1983] 39700

Electric boilers for industrial and environmental systems; Birmingham, England, 30 May 1984, *(IEE)* [London, England: IEE 1984] 45843 (introductory abstract), 50218−20, 50225−30

Electrical and electronics engineers in Israel; Tel-Aviv, Israel, 22-24 March 1983, *(IEEE; Assoc. Eng. & Architects Israel; Ben Gurion Univ. Negev et al)* [New York, USA: IEEE Jan. 1984] 35134 (introductory abstract), 35702, 35724−5, 35932−3, 35952, 35973, 36026, 36062−3, 36100, 36227, 36643, 36793−5, 36911−12, 36986−7, 37041, 37145, 37184, 37463, 37574−6, 37588, 37676−7, 37708, 37721−4, 37773−7, 37898−9, 37946−7, 38323, 38340, 38657, 38667, 39051, 39573, 39614, 39636−7, 39650, 39820−1, 39904, 40281, 40339, 40359, 40623

Electrical contacts 1983; Chicago, IL, USA, 26-28 Sept. 1983, *(IEEE)* [March 1984] 41625−35, 41662−3, 41675−7, 41717, 45566

Electrical discharges and combustion; London, England, 11 April 1984, *(IEE)* [London, England: IEE 1984] 35149 (introductory abstract), 40646

Electrical, electronics conference; Toronto, Ont., Canada, 26-28 Sept. 1983, *(IEEE)* [New York, USA: IEEE 1983] 29134 (introductory abstract), 29668−9, 29689−90, 29817−19, 29930, 29985, 30030−4, 30086, 30103, 30726−8, 30814−15, 31567, 31606, 31705−6, 31751, 31771, 31785−8, 31800−1, 31822, 31833−5, 31878−9, 31930, 31987−92, 32070−5, 32105−9, 32212, 32254, 32322−6, 32414−27, 32542, 32607−8, 32645−6, 32685−6, 32704, 32750−64, 32818, 32847−8, 32859−61, 32911, 32934−5, 32992, 33145, 33175−6, 33211, 33488, 33828, 33988, 34097−109, 34133−5, 34142, 34156−7, 34162, 34205, 34229, 34242, 34446, 34480, 34600, 34632−3, 34675, 34726, 34775, 34805, 34817, 34957, 34983−5, 35049−50

Electrical/electronics insulation; Chicago, IL, USA, 3-6 Oct. 1983, *(IEEE; Nat. Electr. Manuf. Assoc)* [New York, USA: IEEE 1983] 35137 (introductory abstract), 29215, 29234, 30143−5, 30832, 30838−9, 30858−64, 30871−81, 34676, 35258−61, 35268, 35293−8, 35306−7, 35318, 35517, 35565−6, 36095−6, 36101−9, 36123−4, 36143−4, 36153, 36925−8, 36939−49, 36956−75, 37007, 39319, 40217−19, 40235, 40308

Electrical engineering serving society; Wichita, KS, USA, 9-13 April 1984, *(IEEE)* [New York, USA: IEEE 1984] 45838 (introductory abstract), 45888−93, 46125, 46441, 46729, 47692, 47813, 47922, 48292, 49293, 49322−3, 49560, 49612, 49636, 49664, 49827, 49864, 49941, 50233

Electrical occupational accidents prevention; Cologne, Germany, 4-6 Oct. 1983, [Cologne, Germany: Int. Sect. ISSA for the Prevention of Occupational Risks due to Electr. 1983] 50323 (introductory abstract), 50458−64

Electro-optical instrumentation; Arlington, VA, USA, 5-6 April 1983, *(SPIE)* [1983] 50281 (introductory abstract), 45953, 46736, 47068, 47320, 47517, 48742−3

Electromagnetic compatibility symposium; Arlington, VA, USA, 23-25 Aug. 1983, *(IEEE)* [New York, USA: IEEE 1983] 35133 (introductory abstract), 35292, 35576, 35693, 35776, 35936, 36122, 37522−7, 37535, 37573, 37583−7, 37618−75, 37691−3, 37720, 37749, 37853−5, 37897, 37941−5, 38207−8, 38559, 38656, 38683−4, 38758, 39006, 39094, 39167, 39253−5, 39262−4, 39272, 39280−2, 39872, 39936, 39951

Electromagnetic detection and treatment of malignant disease; London, England, 2 April 1984, *(IEE)* [London, England: IEE 1984] 35152 (introductory abstract), 39561, 39605−11

Electromagnetic launch technology; Boston, MA, USA, 10-13 Oct. 1983, *(IEEE; Defense Adv. Res. Projects Agency)* [March 1984] 40690 (introductory abstract), 42777−825, 45455−9, 45525

Electron beam interactions with solids; Monterey, CA, USA, 18-23 April 1982, *D.F.Kyser, H.Niedrig, D.E.Newbury, R.Shimizu (editor/s),* [AMF O'Hare, IL, USA: Scanning Electron Microscopy 1984] 29126 (introductory abstract), 30499−503

Electron devices; Washington, DC, USA, 5-7 Dec. 1983, *(IEEE)* [New York, USA: IEEE 1983] 35132 (introductory abstract), 35231, 35317, 35637, 35720−1, 35763, 35809−23, 35926, 36056−61, 36116, 36181−2, 36187−95, 36219−26, 36230, 36323−4, 36335−6, 36420, 36440−3, 36488−9, 36495−6, 36528, 36532, 36544−6, 36557−60, 36573, 36617−42, 36644−5, 36735−49, 36809−14, 36849−85, 37223−34, 37244−6, 37267, 37381−8, 38653−5, 39076−82, 39164−6, 39354, 39457

Electron holography and electron transfer theory; Antwerp, Belgium, 13 Sept. 1983, [Braunschweig, Germany: Phys.-Tech. Bundesanstalt 1983] 35146 (introductory abstract), 36243, 37502−4

Electron microscopy and analysis; Guildford, Surrey, England, 30 Aug.-2 Sept. 1983, *P.Doig (editor/s),* [London, England: IOP 1984] 41750, 41793−800, 41810, 41943, 42265, 44420, 45663, 51859, 51878, 51968

Electron microscopy of materials; Boston, MA, USA, 14-17 Nov. 1983, *W.Krakow, D.A.Smith, L.W.Hobbs (editor/s),* [New York, USA: North-Holland 1984] 58726, 61242

Electron spectrometry; Les Arcs - Bourg Saint Maurice, France, 24-28 Jan. 1983, [Jan.-Feb. 1983] 30248, 36924

Electronic components conference; New Orleans, LA, USA, 14-16 May 1984, *(IEEE)* [New York, USA: IEEE 1984] 57708 (introductory abstract), 57836−50, 58039, 58060, 58065−6, 58228, 58556−9, 58562−6, 58585−6, 58604−6, 58625, 58631, 58636, 58641, 58650−9, 58661−72, 59009−13, 59051, 59102, 59109, 59322, 59351−3, 59363, 61236, 61276−7, 61360

Electronic design automation; Warwick, England, 26-30 March 1984, *(IEE)* [London, England: IEE 1984] 29827−34, 29931−2, 30581, 30733−9, 30818

Electronic displays and information display systems; London, England, 1-3 Nov. 1983, [Buckingham, England: Network Events 1983] 29139 (introductory abstract), 31939, 32327, 32863, 32936−7, 33177−82, 33386−90, 33798−9, 33931, 33935−7

Electronic filters; London, England, 21 May 1984, *(IEE)* [London, England: IEE 1984] 50338 (introductory abstract), 51063, 51398−400, 51475−8, 53787

Electronic office; London, England, 26 March 1984, *(IEE)* [London, England: IEE 1984] 38337

Electronic properties of two-dimensional systems; Oxford, England, 5-9 Sept. 1983, [July 1984] 50306 (introductory abstract), 51763−4, 51783−5, 51835−56, 51899−910, 52131−5, 58779−85, 58812−13, 58886−7

Electrotechnology; Prenet, Czechoslovakia, 1-4 June 1982, [1984] 50298 (introductory abstract), 50552−3, 50849, 51632−3, 51676−7, 51681, 55395

Energy conversion engineering; Orlando, FL, USA, 21-26 Aug. 1983, *(IEEE; AIChE; ANS; SAE; ACS; AIAA; ASME)* [New York, USA: AIChE 1983] 35135 (introductory abstract), 29271, 29309, 31243, 33883−4, 34241, 34270, 34367−9, 34399−403, 34444−5, 34452−3, 34463−6, 34478−9, 34521−6, 34631, 34725, 34765−74, 34933−7, 34955−6, 35019, 35088−97, 35103−10, 35167, 35226, 36228, 36300−4, 39095, 39351, 39641, 39651−2, 39654−74, 39822, 39844, 39870, 39976−82, 40010−15, 40033−44, 40078, 40125−30, 40138, 40143−6, 40166−75, 40181−9, 40216, 40234, 40340−2, 40373−4, 40394−429, 40464−79, 40482−8, 40491−509, 40516−20, 40560−74, 40581, 40607−11, 40624−32, 40639, 40645, 40666, 40668, 40673−4

Energy options: alternative sources; London, England, 3-6 April 1984, [London, England: IEE 1984] 29187−8, 34073−8, 34127, 34257−61, 34320−4, 34398, 34434−41, 34449−51, 34460−2, 34476−7, 34484−8, 34490−3, 34511−13, 34539−52, 35052, 35057, 35063

Energy system development; Jurmala, USSR, 22-24 Sept. 1982, [Riga, USSR: Acad. Sci. Latvian SSR 1983] 35147 (introductory abstract), 39966, 39983−7, 40016, 40045, 40365

Engineering and computing in health care; Columbus, OH, USA, 10-12 Sept. 1983, *(IEEE) G.C.Gerhard, W.T.Miller (editor/s),* [New York, USA: IEEE 1983] 45833 (introductory abstract), 42024, 44712−14, 44762−3, 44769, 44783−6, 49109−12, 49125−33, 49182−8, 49204−32, 49287−92, 49308−18, 49336−41, 50318, 56071, 56076, 56106−7, 56132−40, 56146−8, 56188−92

Environmental and thermal control systems for space vehicles; Toulouse, France, 4-7 Oct. 1983, *(CNES; ESA)* [Paris, France: ESA 1983] 40713 (introductory abstract), 41163, 41785, 44805−18, 44831−5, 44872−84

ERS-1 remote sensing satellite; London, England, 22 May 1984, *(IEE)* [London, England: IEE 1984] 40724 (introductory abstract), 43479, 44171−2, 44519, 44819−22

European incoherent scatter radar; Aussois, France, 5-8 Sept. 1983, [June-July 1984] 50301 (introductory abstract), 56295−8

Ferroelectric materials; Kyoto, Japan, 25-27 May 1983, [1983] 50296 (introductory abstract), 50810−11, 51018, 51401, 51559−60, 52330−2, 52345−8, 52372−5, 52438, 52700−1, 52767, 54999, 55637−8, 56090, 56352−3

Ferroelectricity; Minsk, USSR, 19-23 Sept. 1982, [1983] 36930, 41035

Ferroelectricity European meeting; Benalmadena, Malaga, Spain, 26-30 Sept. 1983, [April 1984] 29108 (introductory abstract), 30845−6, 30938, 31473

Ferroelectricity European meeting; Benalmadena, Malaga, Spain, 26-30 Sept. 1983, [April 1984] 30847, 31506

Ferroelectricity European meeting; Benalmadena, Malaga, Spain, 26-30 Sept. 1983, [April 1984] 30848, 30939, 36931, 44588

Fibre optics in local area networks; San Diego, CA, USA, 25 Aug. 1983, *(SPIE)* [1983] 57685 (introductory abstract), 59206−7, 59614, 60835−8

Film preparation and etching; Brighton, Sussex, England, 22-24 March 1983, [March-April 1984] 41096 (introductory abstract), 40859, 41062, 41097−102, 41713, 41724, 42006−8, 42015, 42317, 42403, 45662

Flexible manufacturing systems 1983; London, England, 26-28 Oct. 1983, *(IFS (Conferences) Ltd.; British Robot Assoc.; Dept. Ind. et al)* [Kempston, Beds., England: IFS (Publications) Ltd. 1983] 30194, 31547−8

Forecasting system, intermediate future; Washington, DC, USA, 19 Aug. 1982, *S.I.Gass, F.H.Murphy, S.H.Shaw (editor/s),* [Washington, DC, USA: NBS 1983] 40717 (introductory abstract), 40771−4

Forth data bases and process control; Rochester, NY, USA, 18-21 May 1982, [Rochester, NY, USA: Inst. Appl. Forth Res. 1982] 33047

Foundations of computer science; Tucson, AZ, USA, 7-9 Nov. 1983, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1983] 29345, 29433, 32101−3

Free-electron generators of coherent radiation; Orcas Island, WA, USA, 26 June-1 July 1983, *(SPIE)* [1984] 45822 (introductory abstract), 47363−91, 47473−6, 47485−9, 47499, 47505, 49066, 52833−44

Frequency control; Philadelphia, PA, USA, 1-3 June 1983, *(IEEE; U.S. Army Electron. Res. & Dev. Command)* [New York, USA: IEEE 1983] 35131 (introductory abstract), 29469−70, 29701−3, 30011, 30029, 30084−5, 30102, 30851−3, 30890−917, 30926−35, 33140−1, 33422−4, 33486−7, 33492, 35564, 35681, 36933−7, 36985, 37082, 37249−51, 38998−9002, 39260, 39328−34

Frontiers in education; Worcester, MA, USA, 17-19 Oct. 1983, *(IEEE) L.P.Grayson, J.M.Biedenbach (editor/s),* [New York, USA: IEEE 1983] 35139 (introductory abstract), 35168−214, 35227, 40737−54

Fusion engineering; Philadelphia, PA, USA, 5-9 Dec. 1983, *(IEEE; Princeton Plasma Phys. Lab.; US DOE; EPRI; ANS),* [New York, USA: IEEE 1983] 59177 (introductory abstract), 58685, 59178, 59776−7, 61667, 61747, 62336−8

Fusion reactor materials; Albuquerque, NM, USA, 19-22 Sept. 1983, [May 1984] 58059, 62319

GaAs IC symposium; Phoenix, AZ, USA, 25-27 Oct. 1983, *(IEEE)* [New York, USA: IEEE 1983] 29135 (introductory abstract), 29820−6, 29881−3, 29955−6, 29986−7, 30013, 30064, 30104−14, 30348−50, 30649−53, 30729−32, 30816−17, 30936, 31176−8

Generation, measurement and control of stray radiation; Los Angeles, CA, USA, 18-19 Jan. 1983, [1983] 31525

GLOBECOM 83; San Diego, CA, USA, 28 Nov.-1 Dec. 1983, *(IEEE)* [New York, USA: IEEE 1983] 29310, 29731−3, 30035, 31402, 31707−11, 31772−5, 31790−5, 31802−3, 31824−5, 31844−57, 31884−95, 31931−8, 31996−2002, 32076, 32121−40, 32224−39, 32256−60, 32277−80, 32294−7, 32430−57, 32500, 32505, 32518−20, 32531−4, 32547, 32577−93, 32610−16, 32622−6, 32661−74, 32688−9, 32707−15, 32772−88, 32822−40, 32912−13, 32917, 32963−5, 32993−8, 33455

Grand unification; Philadelphia, PA, USA, 21-23 April 1983, *H.A.Weldon, P.Langacker, P.J.Steinhardt (editor/s),* [Boston, MA, USA: Birkhauser 1983] 33735−8

Guidance and control techniques; Florence, Italy, 27-30 Sept. 1983, *(AGARD)* [Neuilly-sur-Seine, France: AGARD 1984] 40715 (introductory abstract), 44836−9, 44885−6

Guided wave and coherent optics; Cargese, Italy, 5-16 July 1982, *(NATO) D.B.Ostrowsky, E.Spitz (editor/s),* [The Hague, Netherlands: Martinus Nijhoff 1984] 29142 (introductory abstract), 31158−63, 31179−80, 31287, 31403−4, 31496−9, 33870−1, 37153−6, 37165−7, 37469−72, 38139

Heat transfer in energy problems; Tokyo, Japan, 29 Sept.-2 Oct. 1980, *T.Mizushina, W.-J.Yang (editor/s),* [Washington, DC, USA: Hemisphere Publishing 1983] 49711−12, 49784, 49788, 50114, 50119, 50245

High power particle beams; San Francisco, CA, USA, 12-14 Sept. 1983, *(Air Force Office of Sci. Res.; Defense Adv. Res. Projects Agency et al) R.J.Briggs, A.J.Toepfer (editor/s),* [Livermore, CA, USA: Lawrence Livermore Nat. Lab. 1983] 59380−2

High speed photography, videography and photonics; San Diego, CA, USA, 23-25 Aug. 1983, *(SPIE)* [1983] 57682 (introductory abstract), 53092−3, 55051−2, 55248, 58703−4, 59289, 59670, 61100, 61247, 61734−7

High-speed semiconductor devices and circuits; Ithaca, NY, USA, 15-17 Aug. 1983, *(IEEE; Cornell Univ)* [New York, USA: IEEE 1984] 57699 (introductory abstract), 58187, 58274−5, 58535−50, 58791, 58851, 58889, 58905, 58933−40, 58986, 59035−6

Human Factors Society meeting; Norfolk, VA, USA, 10-14 Oct. 1983, *A.T.Pope, L.D.Haugh (editor/s),* [Santa Monica, CA, USA: Human Factors Soc. 1983] 40755, 40830−1, 43290, 44308, 44448, 45026, 45240−6

HV measurement traceability; London, England, 22 Feb. 1984, *(IEE)* [London, England: IEE 1984] 29143 (introductory abstract), 30130, 33399−403, 34243

Hydro power; London, England, 16 May 1984, *(IEE)* [London, England: IEE 1984] 40721 (introductory abstract), 45027, 45342−56, 45363

ICCAD - Computer aided design; Santa Clara, CA, USA, 12-15 Sept. 1983, *(IEEE)* [New York, USA: IEEE 1983] 36886 (introductory abstract), 35584−6, 35723, 35765−75, 35824, 35868−73, 36132−3, 36165, 36529−30, 36750−92, 36815−17, 36887−910

IECON '83; San Francisco, CA, USA, 7-11 Nov. 1983, *(IEEE)* [New York, USA: IEEE 1983] 29715, 32429, 32820−1, 34776−7

IEEE electromagnetic compatibility; San Antonio, TX, USA, 24-26 April 1984, *(IEEE)* [New York, USA: IEEE 1984] 57702 (introductory abstract), 58441, 59693, 59754, 59778−821, 59836, 59847, 59896, 59912, 60666, 61477, 61499, 61522−3, 61834−6, 62246

Illumination; Amsterdam, Netherlands, 31 Aug.-8 Sept. 1983, [Budapest, Hungary: OMIKK-TECHNOINFORM 1983] 57715 (introductory abstract), 61172, 61240−1, 61570, 61786, 62796−802, 62813−17

Image assessment infrared and visible; Oxford, England, 12-14 Dec. 1983, *(SPIE)* [1984] 50294 (introductory abstract), 52751−2, 52758, 53883−5, 55161−4, 55250−8, 56089, 56259

Images of fear, images of hope; Calgary, Alta., Canada, 9-11 May 1984, [Toronto, Ont., Canada: Canadian Inf. Processing Soc. 1984] 52242 (introductory abstract), 52243, 52310, 54077, 54156, 54413−16

Industrial and commercial power systems; Atlanta, GA, USA, 7-10 May 1984, *(IEEE)* [New York, USA: IEEE 1984] 57707 (introductory abstract), 57797−8, 59087, 62105−8, 62125, 62185−6, 62198−9, 62220, 62235−6, 62247, 62499, 62543, 62599, 62635−8, 62666−9, 62679, 62735−6, 62823

Industrial applications of high power lasers; Linz, Austria, 26-27 Sept. 1983, *(SPIE; Austrian Phys. Soc. et al)* [1984] 50287 (introductory abstract), 52878−82, 52934, 53031, 53121−2, 59563, 59662−8

Industrialization of space; London, England, 7-8 Dec. 1983, [1984] 50304 (introductory abstract), 54642, 54687−91, 54915, 56274−5

Industry Applications Society annual meeting; Mexico City, Mexico, 3-7 Oct. 1983, *(IEEE)* [New York, USA: IEEE 1983] 50319 (introductory abstract), 50455−6, 52080−2, 52141, 52316−18, 52325−8, 52441, 53144−7, 53152, 53177−85, 54779, 55221−2, 55624, 55666−7, 55713, 56371, 56491, 56540−2, 56562, 56602−6, 56633, 56646, 56686−91, 56709, 56768, 56946−7, 56983−6, 57034−47, 57071−2, 57093, 57141−3, 57217−34, 57283−4, 57295−6, 57298, 57336, 57376, 57414−37, 57473−88, 57519−20, 57539−44, 57577, 57605−9, 57639−42, 57645−6, 57650−8, 57662−4

Information processing 83; Paris, France, 19-23 Sept. 1983, *R.E.A.Mason (editor/s),* [Amsterdam, Netherlands: North-Holland 1983] 50908, 51226, 51296−7, 52233−4, 53481−2, 54169−70, 54396−401, 55219, 55578, 56247

Information theory; St. Jovite, Que., Canada, 26-30 Sept. 1983, *(IEEE)* [New York, USA: IEEE 1983] 35136 (introductory abstract), 35380, 35777, 37803−8, 37861−80, 37948−9, 38091−5, 38121−3, 38327−8, 38438−42, 38494, 40905, 40930−4, 40961, 41003−5, 41361, 41506, 43041−72, 43085−8, 43137−90, 43281−8, 43369−85, 43471−2, 43595, 43655, 43724, 43806−11, 43857−8, 43947−58, 43999, 44135−43, 44156−8, 44188, 46107, 47711−23, 47769−83, 47876−9, 48257−63, 48505, 48554−7

Infrared and millimeter waves; Miami Beach, FL, USA, 12-17 Dec. 1983, *(IEEE; Int. Union of Radio Sci.; U.S. Army Res. Office) R.J.Temkin (editor/s),* [New York, USA: IEEE Jan. 1984] 35142 (introductory abstract), 35705, 36027, 36065−78, 36166, 36197−213, 36280−2, 36305, 36325, 36547, 37001, 37073−4, 37147, 37202−3, 37235, 37252−4, 37268−75, 37350−1, 37389, 37430, 37464, 37500, 37592−4, 37710, 37727, 37753−4, 37787, 38570, 38669, 38757, 39185−93, 39290−301, 39342−4, 39364, 39388, 39559, 39653, 39710−11, 39724, 39745−7, 41455, 41546, 41568−9, 41604−5, 41765−78, 41782−4, 42496, 42516−17, 42562−74, 42675, 42719, 42923−4, 43965, 44167, 44446−7, 44917−18

Infrared detectors; San Diego, CA, USA, 25-26 Aug. 1983, *(SPIE)* [1984] 50284 (introductory abstract), 55235−41, 55468−72

Infrared technology IX; San Diego, CA, USA, 23-25 Aug. 1983, *(SPIE)* [1983] 57684 (introductory abstract), 58615, 59023, 59205, 59290, 59295, 59326, 59355, 60157, 61248−50, 61289, 61373−7, 61851, 61890

Instrumentation and measurement technology; Long Beach, CA, USA, 17-18 Jan. 1984, *(IEEE)* [New York, USA: IEEE 1984] 40705 (introductory abstract), 40769, 41137, 41401, 41570, 41606−7, 42130, 44050, 44168−70, 44388, 44421−7, 44459, 44481−2, 44525−6, 44573−4, 44582−3, 44604−5, 44617, 44622, 44693, 44791, 44830, 45726

Insulating films on semiconductors; Eindhoven, Netherlands, 11-13 April 1983, *J.F.Verweij, D.R.Wolters (editor/s),* [Amsterdam, Netherlands: North-Holland 1983] 29885, 30455−65, 30556−60, 30654−7, 30833−5, 31244, 31259, 34938

Interconnecting and packaging electronic circuits; Denver, CO, USA, 18-22 Sept. 1983, [Evanston, IL, USA: Inst. Interconnecting & Packaging Electron. Circuits 1983] 50324 (introductory abstract), 45969−70, 46671−2, 46678, 46717−27, 46743, 46748, 48995, 51557, 51575, 51609, 51622, 51650−6, 57671

Interfacial phenomena in insulating systems; Gaithersburg, MD, USA, 19-20 Sept. 1983, *(IEEE; DOE; NBS)* [New York, USA: IEEE 1984] 29133 (introductory abstract), 30452, 30824−31, 30837, 30856−7, 30870, 31574, 34212

Intermodulation - causes, effects and mitigation; London, England, 9 April 1984, *(IEE)* [London, England: IEE 1984] 35151 (introductory abstract), 37681−5, 37834, 37914, 38450−2, 38788

International Karakoram Project; London, England, 14-18 Sept. 1981, *K.J.Miller (editor/s),* [Cambridge, England: Cambridge 1984] 33992

Ion implantation. Equipment and techniques; Berchtesgaden, Germany, 13-17 Sept. 1982, *H.Ryssel, H.Glawischnig (editor/s),* [Berlin, Germany: Springer-Verlag 1983] 35495, 36337, 36421−4, 36444−60, 36561, 36797, 36818, 36914−15, 37546, 38662−3, 40343, 40480, 41972−8

Ionised gas phenomena; Dusseldorf, Germany, 29 Aug.-2 Sept. 1983, *W.Bottticher, H.Wenk, E.Schulz-Gulde (editor/s),* [Dusseldorf, Germany: Univ. Dusseldorf 1983] 42497, 42775, 46759, 46770, 46776, 47422−8, 47483, 50008−10, 50113, 50201, 51694, 51698, 52924, 57521

Ionizing radiation applications; Riyadh, Saudi Arabia, 12-17 March 1982, *(King Saud Univ)* [Riyadh, Saudi Arabia: King Saud Univ. Libr. 1983] 35129 (introductory abstract), 39555−8, 39594−601, 39627−35

Joint ASME/IEEE railroad conference; Chicago, IL, USA, 4-6 April 1984, *(IEEE; ASME)* [New York, USA: IEEE 1984] 45837 (introductory abstract), 50180−6

Languages for automation; Chicago, IL, USA, 7-9 Nov. 1983, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1983] 30779, 32574

Laser induced damage in optical materials; Boulder, CO, USA, 17-18 Nov. 1981, *(NBS) H.E.Bennett, A.H.Guenther, D.Milam, B.E.Newnam (editor/s),* [Washington, DC, USA: NBS 1983] 37087, 37192, 37410−14, 37434−8, 37515, 42326, 42683−4, 42693, 42720−3

Laser interactions and related plasma phenomena; Monterey, CA, USA, 25-29 Oct. 1982, *H.Hora, G.H.Miley (editor/s),* [New York, USA: Plenum 1984] 52861−8, 52923, 52941, 61604−5

Laser scanning and recording; Geneva, Switzerland, 19-20 April 1983, *(SPIE)* [1983] 29106 (introductory abstract), 29272, 30178, 30885, 31183−4, 31197−8, 31424−6, 31442−3, 31468, 31504−5, 31526−31, 31947, 32015, 32938, 33378

Lasers; Shanghai and Beijing, China, May 1980, *Wang Daheng, Chow Quantie, Sheng Erzhen, Chu Zhenhe (editor/s),* [Chichester, West Sussex, England: Wiley 1983] 29137 (introductory abstract), 31339, 31367, 35469, 37148−52, 37164, 37191, 37276−8, 37314−30, 37352−3, 37390, 37404−5, 37431−3, 37465−8, 37501, 37514, 38661, 39169, 39560, 39602−4

Lasers in mechanical engineering technology; Zvenigorod, USSR, 11-13 Oct. 1982, [1983] 57678 (introductory abstract), 59388−90, 59454, 59550, 59561, 59574, 59584, 59654−9

Liquid crystals and ordered fluids; Las Vegas, NV, USA, 29 March-1 April 1982, *A.C.Griffin, J.F.Johnson (editor/s),* [New York, USA: Plenum 1984] 48975–6

Local area networks 1984; London, England, 10 May 1984, *(IEE)* [London, England: IEE 1984] 40723 (introductory abstract), 43821–7

Low energy tests of conservation laws; Blacksburg, VA, USA, 11-14 Sept. 1983, [1984] 55811–17

Low frequency noise in silicon devices; London, England, 9 March 1984, *(IEE)* [London, England: IEE 1984] 29145 (introductory abstract), 29692, 30301, 30577–8, 30582, 30609–10, 30659–61, 33456

Machine tools; Birmingham, England, 26-28 June 1984, *(Machine Tool Trades Assoc.; Machine Tool Ind. Res. Assoc.; FMS Magazine) K.A.Lane (editor/s),* [Kempston, Beds., England: IFS (Conferences) June 1984] 55687

Magnetic recording media; Ferrara, Italy, 7-9 Sept. 1983, *(IEEE)* [Jan. 1984] 29109 (introductory abstract), 29524–5, 30942, 30946–50, 30966–7, 30987–99, 32978, 36990, 37015–19

Magnetism and magnetic materials; Pittsburgh, PA, USA, 8-11 Nov. 1983, *(AIP; IEEE)* [15 March 1984] 30951–60, 31032–3, 36991, 36996–8

Magnetism and magnetic materials; Pittsburgh, PA, USA, 8-11 Nov. 1983, *(AIP; IEEE)* [15 March 1984] 29562, 30077, 30383, 30961–4, 30968–79, 31005–17, 31025–6, 31034–8, 31047, 31050–1, 31579–82, 31584–5, 31618–19, 33257, 33440–2, 34615, 34681, 34713

Manufacturing technology; Leicester, England, 18 May 1984, [London, England: Numerical Eng. Soc. 1984] 50331 (introductory abstract), 50519

Many facets of computer communications; Atlanta, GA, USA, 19-21 Oct. 1983, *(IEEE)* [New York, USA: IEEE 1983] 35215–16, 38226, 38889–90

Mathematical programming; Rio de Janeiro, Brazil, 6-8 April 1981, *R.W.Cottle, M.L.Kelmanson, B.Korte (editor/s),* [Amsterdam, Netherlands: North-Holland 1984] 46169–70

Mechanical behaviour of electromagnetic solid continua; Paris, France, 4-7 July 1983, *G.A.Maugin (editor/s),* [Amsterdam, Netherlands: North-Holland 1984] 42220–2, 42314–15, 42769, 44507

Mechanical behaviour of materials; Stockholm, Sweden, 15-19 Aug. 1983, *J.Carlsson, N.G.Ohlson (editor/s),* [Oxford, England: Pergamon 1984] 51578

Medical radiation protection; Jodhpur, Rajasthan, India, 13-16 Feb. 1984, [Bombay, India: Indian Assoc. Radiation Protection 1984] 35143 (introductory abstract),

MELECON '83; Athens, Greece, 24-26 May 1983, *(IEEE) E.N.Protonotarios, G.I.Stassinopoulos, P.P.Civalleri (editor/s),* [New York, USA: IEEE 1983] 29131, 29193, 29383, 29428, 29598, 29622, 29688, 29730, 29812–15, 29997, 30012, 30233, 30614, 30713–14, 30780, 31721, 32253, 33143–4, 33886, 33934, 34079–96, 34128–32, 34153–5, 34191, 34228, 34240, 34262–9, 34325, 34366, 34442–3, 34457, 34489, 34514–20, 34553–61, 34565–6, 34599, 34625–30, 34689–90, 34693, 34703, 34722–4, 34759–64, 34804, 34903–32, 34961, 34980–2, 35018, 35053, 35058, 35067, 35081

MICRO-DELCON '84; Newark, DE, USA, 6 March 1984, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1984] 41509–11, 43725

Micrometrology; Germany, 2-3 Nov. 1983, [Braunschweig, Germany: Phys.-Tech. Bundesanstalt 1983] 50332 (introductory abstract), 50520, 51970, 52265, 55145, 55360–1, 55635, 55690–9

Microwave integrated front ends; London, England, 29 Feb. 1984, *(IEE)* [London, England: IEE 1984] 30116 (introductory abstract), 29691, 30087, 30117–20, 30658, 30937

Midcon 83; Chicago, IL, USA, 13-15 Sept. 1983, *(IEEE)* [Los Angeles, CA, USA: Electron. Conventions 1983] 50315 (introductory abstract), 50410–11, 50547–50, 50582, 51058–62, 51086, 51174–9, 51315–16, 51344–5, 51471, 51648, 51685–6, 52238–41, 53579, 53778–80, 54073–6, 54211–14, 54402–12, 54557–60, 55129–30, 55448, 55612

Military communications; Washington, DC, USA, 31 Oct.-2 Nov. 1983, *(IEEE)* [New York, USA: IEEE 1983] 29136 (introductory abstract), 30115, 30918, 31658–60, 31789, 31823, 31836–43, 31880–3, 31994–5, 32110–20, 32213–23, 32255, 32428, 32543–6, 32575–6, 32609, 32647–60, 32687, 32765–71, 32791, 32819, 35703, 35927, 35974, 37589–90, 37678–9, 37709, 37725, 37750–1, 37809–10, 37830, 37881–2, 37903, 37950–62, 38100, 38124–8, 38177–80, 38209–10, 38331, 38344, 38374, 38443–9, 38460, 38560–1, 38658–60, 38727, 38838, 39052

Mini/micro Midwest 83; Chicago, IL, USA, 13-15 Sept. 1983, *(IEEE)* [Electron. Conventions: Los Angeles, CA, USA 1983] 40703 (introductory abstract), 41357–60, 41388–400, 44445, 48359

Mining industry power systems and control; Houghton, MI, USA, 1-3 June 1983, *(IEEE)* [New York, USA: IEEE 1983] 50316 (introductory abstract), 50317, 50375–7, 50412–28

Mining, mineral and metal processing automation; Helsinki, Finland, 22-25 Aug. 1983, *(IFAC) T.Westerlund (editor/s),* [Oxford, England: Pergamon 1984] 57563, 57610–12, 60151, 61234, 61451, 61515, 62015

Mobile communications; London, England, 13-15 March 1984, [Pinner, Middx., England: Online Publications 1984] 40706 (introductory abstract), 43696, 44001–16

Modern measurement techniques; Pretoria, South Africa, 10 May 1984, *(SAIEE)* [Marshalltown, South Africa: South African Inst. Electr. Eng. 1984] 50328 (introductory abstract), 55450–2, 55716, 55733, 55739, 56377

Molecular beam epitaxy; Atlanta, GA, USA, 6-7 Oct. 1983, *(Office of Naval Res.; American Vacuum Soc)* [April-June 1984] 50297 (introductory abstract), 50757–69, 51533, 51817–22, 51886, 51920, 51939, 52009, 52050, 52092–5, 52964–5, 55477–8

Molecular spectroscopy congress; Sofia, Bulgaria, 12-16 Sept. 1983, [March 1984] 31093

Motion adaptive video processing; London, England, 17 May 1984, *(IEE)* [London, England: IEE 1984] 40720 (introductory abstract), 43475–8, 44246, 44309

Multi-octave microwave components; London, England, 17 April 1984, *(IEE)* [London, England: IEE 1984] 35155 (introductory abstract), 36028–33, 36080, 37779

National online meeting, 1984; New York, USA, 10-12 April 1984, *(Online Rev)* [Medford, NJ, USA: Learned Information 1984] 43683, 43820, 44298

National radar conference; Atlanta, GA, USA, 13-14 March 1984, *(IEEE)* [New York, USA: IEEE 1984] 50330 (introductory abstract), 54853–61, 54874–88, 55658, 56253

National telesystems conference; San Francisco, CA, USA, 14-16 Nov. 1983, *(IEEE)* [New York, USA: IEEE 1983] 35141 (introductory abstract), 35417, 35682–3, 35704, 35928, 36064, 36796, 36913, 36988, 37146, 37591, 37680, 37752, 37778, 37786, 37813, 37832–3, 37883–4, 38014–15, 38129, 38428, 38496–7, 38562–9, 38668, 38685–6, 38728–51, 38961, 39638–9, 39642–5, 39675, 39694–9, 39722–3

New lasers for analytical and industrial chemistry; Los Angeles, CA, USA, 26-27 Jan. 1984, *(SPIE)* [1984] 57680 (introductory abstract), 59368, 59394, 59470–3, 59499, 59587–91, 59669

New methods in biorheology; Nancy, France, 17-18 Aug. 1983, [1984] 61756–7, 61767

Nitrogen ceramics; Falmer, Sussex, England, 27 July-7 Aug. 1981, *(NATO) F.L.Riley (editor/s),* [Boston, MA, USA: Martinus Nijhoff 1983] 41138

NMR technology; Orlando, FL, USA, 5-6 Feb. 1984, *P.D.Esser, R.E.Johnston (editor/s),* [New York, USA: Soc. Nucl. Med. 1984] 50334 (introductory abstract), 56118, 61781–3, 61846–8

Nonconventional energy; Trieste, Italy, 14 July-6 Aug. 1981, *G.Furlan, N.A.Mancini, A.A.M.Sayigh (editor/s),* [New York, USA: Plenum 1984] 40718 (introductory abstract), 42487, 45209, 45368, 45665–8

Nonimaging concentrators; San Diego, CA, USA, 25-26 Aug. 1983, *(SPIE)* [1984] 52744, 53022

Nonstoichiometric compounds; Alanya, France, 28 June-2 July 1982, [March 1984] 46841, 51789

Nordic astronomy meeting; Oslo, Norway, 15-16 Aug. 1983, *O.Hauge (editor/s),* [Oslo, Norway: Univ. Oslo 1983] 32889

Nuclear and solid state physics symposium; Mysore, India, 22-27 Dec. 1983, [New Delhi, India: Gov. India 1983] 33191–2, 33611–14, 33627, 33730–4, 33747, 33773

Nuclear materials management; Vail, CO, USA, 10-13 July 1983, 44686

Nuclear physics at large tandem accelerators; Padova, Italy, 16-18 March 1983, [1 May 1984] 49085–6, 49099–101

Nuclear science and nuclear power systems; San Francisco, CA, USA, 19-21 Oct. 1983, *(IEEE; Lawrence Livermore Nat. Lab.; Lawrence Berkeley Lab.; et al)* [Feb. 1984] 33669 (introductory abstract), 29443, 29946–8, 30281, 30632, 31234, 32388, 33115, 33185–6, 33670–714, 33744–5, 33752–3, 33764–7, 33778–83, 33810–18, 33897–905, 34178, 34282–4, 34335–50, 35651–2, 35690, 36010, 36231–5, 37220, 39064–6, 39306, 39439–51, 39479–81, 39503, 39530–45

Nuclear science and nuclear power systems; San Francisco, CA, USA, 19-21 Oct. 1983, *(IEEE; Lawrence Livermore Nat. Lab.; Lawrence Berkeley Lab.; et al)* [April 1984] 49068–9

Nuclear space and radiation effects; Gatlinburg, TN, USA, 18-21 July 1983, *(IEEE)* [Dec. 1983] 29856–9, 30280, 30433, 30821–3, 31568, 31691–5

Nuclear technology '84; Frankfurt, Germany, 22-24 May 1984, [Bonn, Germany: Deutsches Atomforum 1984] 47230, 49697–701, 49713–16, 49785, 56771–3, 56786, 58105, 58581

Nuclear track registration; Richland, WA, USA, 28-29 July 1982, [1983] 39458 (introductory abstract), 39459–66

Oceanographic data systems; Woods Hole, MA, USA, 4-6 Oct. 1983, *(IEEE; Woods Hole Oceanogr. Instn) C.D.Tollios, M.K.McElroy, J.Syck (editor/s),* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1983] 33971, 33989

Oceanography from space; Venice, Italy, 26-30 May 1980, *J.F.R.Gower (editor/s),* [New York, USA: Plenum 1981] 39713, 39741–4

Oceanology international 1984; Brighton, Sussex, England, 6-9 March 1984, [Kingston-upon-Thames, England: Spearhead Exhibitions 1984] 35144 (introductory abstract), 38016, 38498, 38752–4, 39712, 39725–40

Oceans 83; San Francisco, CA, USA, 29 Aug.-1 Sept. 1983, *(IEEE; Marine Technol. Soc.; Oceanic Eng. Soc)* [New York, USA: IEEE 1983] 57700 (introductory abstract), 54417, 56314–34, 58603, 60012, 60930–4, 61759–61, 61808–9, 61827–33, 61927, 61942–88, 61991–3, 62468–74, 62684, 62837, 62898–904

OHMCON 83; Detroit, MI, USA, 14-16 June 1983, *(IEEE; ERA)* [Los Angeles, CA, USA: Electron. Conventions 1983] 50314 (introductory abstract), 50515–18, 50581, 51313–14, 51543–5, 51723–4, 53943, 54072, 54703, 55610–11, 56490, 57368–9, 57496–501

Optical and acoustic waves in solids; Varna, Bulgaria, 23-30 Sept. 1982, *M.Borissov (editor/s),* [Singapore: World Scientific 1983] 30744, 31495

Optical data storage; Monterey, CA, USA, 18-20 April 1984, *(IEEE; Opt. Soc. America; American Vacuum Soc.; SPIE)* [Washington, DC, USA: Opt. Soc. America 1984] 52539–41, 52720–3, 53010–12, 55074, 57094

Optical disks; Arlington, VA, USA, 8-9 June 1983, *(SPIE)* [1983] 50283 (introductory abstract), 50983, 53384, 55050

Optical fibre cable links; London, England, 11-12 June 1984, *(IEE)* [London, England: IEE 1984] 50340 (introductory abstract), 52680–9, 54615, 54837–43

Optical fibre communication; New Orleans, LA, USA, 23-25 Jan. 1984, *(IEEE; Opt. Soc. America)* [Washington, DC, USA: Opt. Soc. America 1984] 50321 (introductory abstract), 50825, 52605–78, 52708, 52806–10, 52821–2, 52992–3009, 54078, 54418, 54780–829, 55495–6, 55648

Optical fibres; Paris, France, 16-19 May 1983, *(SPIE)* [1984] 40688 (introductory abstract), 42333–7, 43511, 43549–51, 43762, 43900, 44074–83, 44254–7, 44900, 45182, 45499

Optical fibres in adverse environments; Paris, France, 16-19 May 1983, *(SPIE)* [1984] 40689 (introductory abstract), 42338–9, 42479

Optical information processing; Cuernavaca City, Mexico, Jan. 1982, [1983] 29107 (introductory abstract), 31167, 31205, 31806, 32021–4

Optical information processing advances; Los Angeles, CA, USA, 20-21 Jan. 1983, *(SPIE)* [1983] 40684 (introductory abstract), 42319, 42411–13, 42423–5, 42428–9, 42434, 42438, 43405–15

Optical instrumentation in medicine XI; Atlanta, GA, USA, 17-20 April 1983, *(SPIE)* [1983] 45819 (introductory abstract), 49116, 49143–61, 49294

Optical interfaces for digital circuits and systems; Los Angeles, CA, USA, 26 Jan. 1984, *(SPIE)* [1984] 50293 (introductory abstract), 51103, 52691–5, 52960–2, 54743–6

Optical manufacturing and testing; San Diego, CA, USA, 24-26 Aug. 1983, *(SPIE)* [1983] 59566, 59613

Optical materials for energy efficiency and solar applications; San Diego, CA, USA, 23-25 Aug. 1983, *(SPIE)* [1983] 58822, 61186, 62696

Optical microlithography; Santa Clara, CA, USA, 16-17 March 1983, *(SPIE)* [1983] 35112 (introductory abstract), 36385–9, 36666–85, 36820–1

Optical specifications; Arlington, VA, USA, 5-7 April 1983, *(SPIE)* [1983] 40685 (introductory abstract), 42446, 42676

Optical storage media; Arlington, VA, USA, 6-10 June 1983, *(SPIE)* [1983] 40686 (introductory abstract), 42320–1, 44266–73, 47233–5, 47307–11, 52522–34, 52713

Optics and opto-electronics; Calcutta, India, 22-25 Jan. 1983, [April-June 1983] 29111 (introductory abstract),

Optics in Australia; Sydney, Australia, 24-25 May 1983, [May 1984] 50303 (introductory abstract), 53102

Optics in entertainment II; Los Angeles, CA, USA, 26-27 Jan. 1984, *(SPIE)* [1984] 57689 (introductory abstract), 59269, 59291, 59633–7, 59671, 60164, 61251–2

Order in polymeric materials; Waltham, MA, USA, 25-26 Aug. 1983, [1984] 30595

Order in polymeric materials; Waltham, MA, USA, 25-26 Aug. 1983, [1984] 37222

Passivity of metals and semiconductors; Bombannes, France, 30 May-3 June 1983, *M.Froment (editor/s),* [Amsterdam, Netherlands: Elsevier 1983] 30431, 30454, 30553–5, 30745

Pattern recognition 1983; Karlsruhe, Germany, 11-13 Oct. 1983, [1983] 35118 (introductory abstract), 31928–9, 32055–68, 33825–7, 37940, 38049–87, 39127–9

Pattern recognition and artificial intelligence; Roquencourt, France, 23-27 Jan. 1984, [Le Chesnay, France: Inst. Nat. Recherche Inf. & Autom. 1984] 60278

Personal and small computers; San Diego, CA, USA, 7-9 Dec. 1983, *(ACM)* [1983] 43631, 43739–40

Phonon scattering in condensed matter; Stuttgart, Germany, 22-26 Aug. 1983, *W.Eisenmenger, K.Lassmann, S.Dottinger (editor/s),* [Berlin, Germany: Springer-Verlag 1984] 30453, 31088, 34011, 36355

Physics in medicine and biology; Trieste, Italy, 30 March-3 April 1982, *G.Alberi, Z.Bajzer, P.Baxa (editor/s),* [Singapore: World Scientific 1983] 33829–31, 33869

Picosecond optoelectronics; San Diego, CA, USA, 24-26 Aug. 1983, *(SPIE)* [1983] 57688 (introductory abstract), 58496, 58817, 58891, 59266–8, 59299–300, 59305–8, 59327–34, 59474–6, 59508–11, 59567, 59578, 59827, 60018, 61378–80

Piezoelectric polymers; Honolulu, HI, USA, 17-23 July 1983, *(Nat. Sci. Found)* [June 1984] 52349, 55481

Plasma science conference; San Diego, CA, USA, 23-25 May 1983, *(IEEE; GA Technol.; Japan Atomic Energy Res. Inst.; INESCO; Maxwell Lab.; Western Res. Corp)* [New York, USA: IEEE 1983] 29687, 30241, 30249–50, 30262–71, 31085, 31087, 31279–86, 31336–8, 31720, 33142, 33608–10, 33772, 34801, 34946–53, 34960, 35034, 36196, 37555–8, 40180

Polarized proton ion sources; Vancouver, BC, Canada, 23-28 May 1983, [1984] 61621 (introductory abstract), 61622–32, 61664

Policy issues for computers, communications and information; Dedham, MA, USA, 21-22 March 1983, *(Nat. Sci. Found)* [1984] 54011–12

Power electronics and electrical drives; Lausanne, Switzerland, 12-14 Sept. 1983, *(IFAC) R.Zwicky (editor/s),* [Oxford, England: Pergamon 1984] 50313 (introductory abstract), 46366, 49847, 49863, 49889–97, 49918, 49973–82, 50018, 50135–46, 50178–9, 50260, 56489, 56539, 56571, 56894, 56945, 56979–82, 57026–33, 57091–2, 57140, 57197–216, 57294, 57367, 57400–13, 57469–72

Power engineering; Ames, IA, USA, 24-25 Oct. 1983, *(IEEE; Iowa State Univ)* [Ames, IA, USA: Iowa State Univ. 1983] 57701 (introductory abstract), 57737, 62030–1, 62088–100, 62149, 62179, 62216, 62234, 62273, 62517, 62556

Power semiconductors; London, England, 31 May 1984, *(IEE)* [London, England: IEE 1984] 45840 (introductory abstract), 46967, 47019–21, 47061, 47141

Power supply systems reliability; London, England, 19-21 Sept. 1983, [London, England: IEE 1983] 29129 (introductory abstract), 34055–72, 34120–6, 34141, 34158–9, 34218, 34802–3

Precision surface metrology; San Diego, CA, USA, 23-24 Aug. 1983, *(SPIE)* [1983] 57683 (introductory abstract), 58945, 59564–5, 61527–8, 61560–2, 61592–5

Production and neutralization of negative ions and beams; Brookhaven, NY, USA, 1983, *(USDOE; Brookhaven Nat. Lab)* [1984] 44665–84, 61606–20, 61633–63

Public utility automation; Rome, Italy, Oct. 1983, [May 1984] 45816 (introductory abstract), 49494

Pulp and paper industry conference; Toronto, Ont., Canada, 19-22 June 1984, *(IEEE)* [New York, USA: IEEE 1984] 57711 (introductory abstract), 60360, 62109, 62200, 62237, 62248, 62500–2, 62544–5, 62600–1, 62640, 62670–1, 62737–8, 62812, 62884–8

Quantum electronics; Anaheim, CA, USA, 18-21 June 1984, *(APS; Opt. Soc. America; IEEE)* [June 1984] 45824 (introductory abstract),

Quark matter in ultra relativistic nucleus-nucleus collisions; Upton, Long Island, NY, USA, 26-30 Sept. 1983, [23 April 1984] 39376–9, 39497

Radar measurements of precipitation; Bournemouth, England, 23-27 Aug. 1982, *(IEE; Rutherford Appleton Lab)* [Jan.-Feb. 1984] 49452 (introductory abstract), 47595–601, 49453–69

Radiation effects in insulators; Albuquerque, NM, USA, 30 May-3 June 1983, [Feb. 1984] 36344–6, 36397–8, 36431, 36953, 37112

Radiowave propagation in the lower atmosphere; Spatind, Norway, 4-7 Oct. 1983, [Neuilly-sur-Seine, France: AGARD 1984] 29147 (introductory abstract), 31661–79, 31713, 32866–7, 32890, 33451, 42871–2, 43966

Real time control of large scale systems; Patras, Greece, 9-12 July 1984, *G.Schmidt, M.Singh, A.Titli, S.Tzafestas (editor/s),* [Patras, Greece: Univ. Patras 1984] 54574, 54649, 56494, 56787, 59913, 62110–15

Real time digital control; Guadalajara, Mexico, 17-19 Jan. 1983, *A.Alonso-Concheiro (editor/s),* [Oxford, England: Pergamon 1984] 38026, 38572, 39827–34, 39937, 39952, 40017–18, 40079, 40131–2, 40282, 40539, 40612, 40667, 40671

Real time electromechanical systems control; London, England, 6-7 March 1984, [London, England: IERE 1984] 50326 (introductory abstract), 55223–5, 55449, 56987, 57048–9, 57073, 57095–7, 57235

Real time signal processing VI; San Diego, CA, USA, 23-25 Aug. 1983, *(SPIE)* [1983] 50290 (introductory abstract), 51071, 52278, 52757, 53328, 53582–604, 53800–8, 55160

Real-time systems; Arlington, VA, USA, 6-8 Dec. 1983, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1983] 38322, 39093, 39579

Receiving antennas for satellite broadcasting; London, England, 27 April 1984, *(IEE)* [London, England: IEE 1984] 35156 (introductory abstract), 37755–9, 37780–1

Recent advances in self-tuning control; London, England, 22 May 1984, *(IEE)* [London, England: IEE 1984] 53786

Rehabilitation engineering; San Diego, CA, USA, 12-16 June 1983, *B.R.Bowman (editor/s),* [Bethesda, MD, USA: Rehabilitation Eng. Soc. North America 1983] 56150 (introductory abstract), 54134, 56077–9, 56141–2, 56151–73, 56193–205, 57236

Reliability and maintainability 1984; San Francisco, CA, USA, 24-26 Jan. 1984, *(IEEE)* [New York, USA: IEEE 1984] 45834 (introductory abstract), 45887, 45913–18, 45941–3, 45962–8, 46019–51, 46513, 46735, 47636, 47784, 47957, 47995, 48045, 48416–17, 48440, 48493, 48518, 48565, 48734, 49347–51, 49367–9, 49425–7, 49848

Resist technology; Santa Clara, CA, USA, 12-13 March 1984, *(SPIE)* [1984] 57690 (introductory abstract), 58633, 58828–42, 58947–54

Ring technology local area networks; Canterbury, England, 28-30 Sept. 1983, *I.N.Dallas, E.B.Spratt (editor/s),* [Amsterdam, Netherlands: North-Holland 1984] 50327 (introductory abstract), 54420–41

Robot vision and sensory controls; Cambridge, MA, USA, 7-10 Nov. 1983, *(SPIE)* [1984] 52698, 54736, 57613–16

Robot vision and sensory controls; Cambridge, MA, USA, 7-10 Nov. 1983, *(SPIE)* [1984] 51625–6, 51668–9, 55086, 60994, 61526

Robotics; Atlanta, GA, USA, 13-15 March 1984, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1984] 45996, 46747, 47921, 48733, 48892–3, 49017, 49022–3, 49489

Robotics and robot sensing systems; San Diego, CA, USA, 25 Aug. 1983, *(SPIE)* [1983] 52788, 53798–9, 55234, 56733

Rural electric power; Nashville, TN, USA, 6-8 May 1984, *(IEEE)* [New York, USA: IEEE 1984] 57706 (introductory abstract), 57767, 60639, 62101–4, 62180–4, 62480, 62542, 62634, 62890

Safeguards and nuclear materials management; Venice, Italy, 14-18 May 1984, *(ESARDA) L.Stanchi (editor/s),* [Ispra, Italy: ESARDA 1984] 61076, 62314

SAM systems analysis synthesis and simulation; Cologne, Germany, 25-26 June 1984, [Neuilly-sur-Seine, France: AGARD May 1984] 50341 (introductory abstract), 56227–9, 56239–40

Satellite communications; London, England, 13-15 March 1984, [Pinner, Middx., England: Online Publications 1984] 40707 (introductory abstract), 43529, 43656, 44051–66

Satellite communications, London; London, England, June 1980, [Northwood, England: Online Publications 1980] 35153 (introductory abstract), 38580–9

Scene matching in multi-site sensors; London, England, 15 March 1984, *(IEE)* [London, England: IEE 1984] 29146 (introductory abstract), 32077, 32864–5, 33212, 33945–6, 33972–4

Science of ceramics; Saint-Vincent, Italy, 27-30 June 1983, *P.Vincenzini (editor/s),* [Italy: Ceramurgica 1984] 29572–3, 30135, 30854, 30980, 34864

Secure communication systems; London, England, 22-23 Feb. 1984, *(IEE)* [London, England: IEE 1984] 29140 (introductory abstract), 31712, 31896–9, 31940–1, 32459, 32789, 32914–16

Security and privacy; Oakland, CA, USA, 25-27 April 1983, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1984] 37856 (introductory abstract), 37857–60, 38324–6

Security and privacy 1984; Oakland, CA, USA, 29 April-2 May 1984, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1984] 53419–20, 54079

Security technology; Zurich, Switzerland, 4-6 Oct. 1983, *(IEEE; Schweizerischer Elektrotech. Verein; Univ. Kentucky; Swiss Federal Inst. Technol)* [Lexington, KY, USA: Univ. Kentucky 1983] 35138 (introductory abstract), 31993, 32705–6, 32862, 33292–8, 33322–3, 34010, 35262–7, 37900–2, 38096–9, 38176, 38329–30, 38495, 38847, 39168

Semiconductor device and IC numerical analysis; Galway, Ireland, 15-17 June 1983, *(Comm. Eur. Communities; IEEE et al) J.J.H.Miller (editor/s),* [Dublin, Ireland: Boole Press 1983] 35130 (introductory abstract), 36245–6, 36321–2, 36354, 36438–9, 36487, 36505–27, 36543, 36556, 36611–16, 36731–4, 36848, 40463

Semiconductor layers, dopant and carrier concentration; London, England, 15 May 1984, *(IEE)* [London, England: IEE 1984] 35157 (introductory abstract), 36247, 36461–8

Semiconductors for power applications; Liege, Belgium, 10-12 Oct. 1983, [Liege, Belgium: AIM 1983] 29623, 29716, 30065, 30608, 34634–7, 34677–8, 34778–83, 34806–8, 34986–9, 35020

Shock waves in condensed matter; Santa Fe, NM, USA, 18-21 July 1983, *(APS) J.R.Asay, R.A.Graham, G.K.Straub (editor/s),* [Amsterdam, Netherlands: North-Holland 1984] 61356–8, 61546, 61574, 61576, 61602

Siemens process computer user group; Braunschweig, Germany, 14-16 March 1983, [Braunschweig, Germany: Phys.-Tech. Bundesanstalt 1983] 43816–19, 43866

Signalling concepts of Swiss Federal Railways; Zurich, Switzerland, 3 Feb. 1984, [London, England: Instn. Railway Signal Eng. 1984] 57704 (introductory abstract),

Simulation in engineering sciences; Nantes, France, 9-11 May 1983, *(IFAC) J.Burger, Y.Jarny (editor/s),* [Amsterdam, Netherlands: North-Holland 1983] 29382, 29501, 29602, 34363, 34494, 34503, 34598, 34688, 35016

Simulators; Brighton, England, 26-30 Sept. 1983, *(IEE)* [London, England: IEE 1983] 32100, 32703, 32856–8, 32869, 33925–30, 34313–15, 34396, 34433, 35345, 35722, 35764, 38437

Single mode optical fibres; San Diego, CA, USA, 23-24 Aug. 1983, *(SPIE)* [1983] 57681 (introductory abstract), 58068, 59195–204, 59285, 60829–34, 61327–8, 61559, 61889

Small computers in the arts; Philadelphia, PA, USA, 14-16 Oct. 1983, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1983] 38104, 38962–3

SMPTE television conference; Montreal, Que., Canada, 10-11 Feb. 1984, [April 1984] 45828 (introductory abstract),

Soft magnetic materials; Eger, Hungary, 6-9 Sept. 1983, [Feb. 1984] 42224 (introductory abstract), 36993, 36999, 37003–6, 42225–9, 42236–9, 42278–80, 42774, 42827, 42883, 44492, 44595–6, 44902, 45468, 45527, 47170, 47207, 47564, 49936–7

Solid state chemistry 1982; Veldhoven, Netherlands, 7-9 June 1982, *R.Metselaar, H.J.M.Heijligers, J.Schoonman (editor/s),* [Amsterdam, Netherlands: Elsevier 1983] 35509–10, 36306–7, 37204–6, 40370, 40510

Solid-state circuits; Lausanne, Switzerland, 21-23 Sept. 1983, [June 1984] 50945, 50996, 51050, 51131–2, 51208–9, 51285–6, 51328, 51367–8, 51416–17, 51430, 51502, 52269, 54460, 54488, 54512–13, 55262

Solid-state circuits 1984; San Francisco, CA, USA, 22-24 Feb. 1984, *(IEEE; Univ. Pennsylvania)* [Coral Gables, FL, USA: Lewis Winner 1984] 50311 (introductory abstract), 51014–15, 51166–73, 51227–49, 51298–309, 51336–43, 51386–9, 51427–8, 51454, 52235–6, 52307–8, 54171, 54495–9, 54553–6, 54603–4, 54778, 55009–10, 55274–9, 55349, 55446, 56187, 58185, 58335–44, 58379, 58424–7, 58530–2, 59962–4, 60553, 61048

Solid state devices and materials; Tokyo, Japan, 30 Aug.-1 Sept. 1983, *(Japan Soc. Appl. Phys)* [Tokyo, Japan: Japan Soc. Appl. Phys. 1983] 40716 (introductory abstract), 41065–9, 41104–7, 41362, 41440, 41828–9, 41883–5, 41915–18, 41944, 41980, 42011, 42016, 42073–4, 42138–40, 42174–7, 44449–52, 44518, 45664, 50747–8, 50792–9, 50826–31, 51251–3, 51860, 51914, 51969, 52147–8, 52263, 52314, 52511–14, 52811, 52815, 52823–4, 53013–17

Solid state dosimetry; Ottawa, Ont., Canada, 27-30 Sept. 1983, [1984] 30620, 33888–91

Solid state nuclear track detectors; Acapulco, Mexico, 4-10 Sept. 1983, [1984] 55855 (introductory abstract), 55820, 55856–967, 55984, 56091, 56210–21

Solid state optical control devices; Los Angeles, CA, USA, 26-27 Jan. 1984, *(SPIE)* [1984] 50288 (introductory abstract), 52521, 52699, 52727, 52745–50, 52756, 53032–3

Solid-state sensor conference; Hilton Head Island, SC, USA, 6-8 June 1984, *(IEEE)* [New York, USA: IEEE 1984] 57710 (introductory abstract), 58594, 59256, 61278, 61361–72, 61804–5, 61826, 62780

SOUTHEASTCON 84; Louisville, KY, USA, 8-11 April 1984, *(IEEE)* [New York, USA: IEEE 1984] 58380 (introductory abstract), 57732–6, 57765, 57772, 57804, 57899–900, 58186, 58196, 58215, 58273, 58381–2, 58454, 58469–70, 58533–4, 58561, 58790, 58816, 58903–4, 59127, 59274, 59692, 59704, 59708, 59714, 59737, 59877, 59911, 59947–8, 60011, 60147–50, 60272–5, 60412, 60438, 60534, 60777, 60896, 60909–11, 61231–3, 61353–5, 61550, 61779–80, 61803, 61850, 61861, 61881, 62005, 62014, 62087, 62147–8, 62244–5, 62260–1, 62265, 62515–16, 62555, 62597–8, 62710, 62762, 62779, 62822, 62839

Southern galaxy; Leiden, Netherlands, 4-6 Aug. 1982, *W.B.Burton, F.P.Israel (editor/s),* [Dordrecht, Netherlands: Reidel 1983] 32888

Space 2000; Paris, France, 27 Sept.-2 Oct. 1982, [March-April 1984] 50733–5, 56242

Space laser applications and technology; Les Diablerets, Switzerland, 25-30 March 1984, [Paris, France: ESA May 1984] 57717 (introductory abstract), 53018, 54844, 59383, 59573, 59683–6, 59925, 60374, 60814–23, 60916–18, 60941, 61862–3, 61912–15, 61929–36

Space mechanisms and tribology; Neuchatel, Switzerland, 12-14 Oct. 1983, *(ESA; Laboratoire Suisse de Recherches Horologeres; Assoc. Suisse pour les Techniques Spatiales)* [Paris, France: ESA 1983] 45835 (introductory abstract), 48735, 49352, 49436, 49849, 49919–21

Spacecraft control system performance; Stanford, CA, USA, 22-26 Aug. 1983, *(IFAC)* [Stanford, CA, USA: Stanford Univ. 1983] 40702 (introductory abstract), 44824–8, 44843–4, 44887

Spectroscopic characterization techniques; Cambridge, MA, USA, 9-10 Nov. 1983, *(SPIE)* [1984] 50289 (introductory abstract), 51919, 51933, 52959

Spectrum estimation; Tampa, FL, USA, 10-11 Nov. 1983, *(IEEE)* [New York, USA: IEEE 1983] 35140 (introductory abstract), 35595, 37726, 37811–12, 37831, 37904–9, 37963–8013, 38101–3

Structural and mechanical engineering for nuclear power plants; Chicago, IL, USA, 24 Aug. 1983, [1984] 56756 (introductory abstract), 56757

Structural mechanics of optical systems; Cambridge, MA, USA, 7-8 Nov. 1983, *(SPIE)* [1984] 45821 (introductory abstract), 47484

Submicron lithographies; Santa Clara, CA, USA, 14-15 March 1983, *(SPIE)* [1983] 35111 (introductory abstract), 36242, 36367–84, 36429, 36657–65

Supercomputers and parallel computation; Bristol, England, 2-3 Sept. 1982, *D.J.Paddon (editor/s),* [Oxford, England: Clarendon 1984] 58391–2

Surface studies with lasers; Mauterndorf, Austria, 9-11 March 1983, *F.R.Aussenegg, A.Leitner, M.E.Lippitsch (editor/s),* [Berlin, Germany: Springer-Verlag 1983] 41979

Switching and signalling in telecommunication networks; Birmingham, England, 22-27 July 1984, *(IEE)* [London, England: IEE 1984] 57718 (introductory abstract), 60299, 60375–7, 60415–18, 60568–9, 60591, 60613–15

Synchrotron radiation instrumentation; Upton, NY, USA, 12-14 Sept. 1983, [15 May 1984] 56040 (introductory abstract), 52012, 55786, 55792, 55799–804, 55836–42, 55993–4, 56041–64, 56093–5, 56124

Synthetic aperture systems; San Diego, CA, USA, 25-26 Aug. 1983, *(SPIE)* [1984] 53030, 59562, 59661, 60156, 61556–8

Synthetic metals; Los Alamos, NM, USA, 20-23 Aug. 1983, [April 1984] 42463

System sciences Hawaii; Honolulu, HI, USA, 4-6 Jan. 1984, *J.P.Fry, R.R.Panko, R.H.Sprague Jr., L.Weissman, B.D.Shriver, T.R.Cousins, T.H.Walker (editor/s),* [Honolulu, HI, USA: Hawaii Int. Conference on Syst. Sci. 1984] 35588–91, 38022–5, 38334–6, 38571, 44742

System theory; Mississippi State, MS, USA, 25-27 March 1984, *(IEEE; Mississippi State Univ)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1984] 50912, 50920, 51346, 51472–4, 53148, 53785, 54518, 55155, 55359, 56237, 56517, 56607, 56895, 57371

Systems analysis; Tel-Aviv, Israel, 3-4 June 1984, *(Israel Assoc. Systems Analysts)* [March-June 1984] 60334, 60513

Tandem accelerator; Chester, England, 18-22 April 1983, [15 Feb. 1984] 33557 (introductory abstract), 33558–76, 33587–600, 33619–23, 33761–2

Technical advances in biomedical physics; Istanbul, Turkey, 14-28 Sept. 1982, *(NATO) P.P.Dendy, D.W.Ernst, A.Sengun (editor/s),* [The Hague, Netherlands: Martinus Nijhoff 1984] 61784–5, 61844

Technology of stratified media; Los Angeles, CA, USA, 19-20 Jan. 1983, *(SPIE)* [1983] 45818 (introductory abstract), 41043, 41952, 42017, 42076, 42406, 42444–5, 44484, 46236, 46875

Telecommunications, changing market structures; Paris, France, 13-15 Dec. 1982, *H.Ergas, J.Okayama (editor/s),* [Amsterdam, Netherlands: North-Holland 1984] 40719 (introductory abstract), 43597–625, 44067

Telecommunications energy; Tokyo, Japan, 18-21 Oct. 1983, *(IEEE; Inst. Electron. & Commun. Eng. Japan)* [Tokyo, Japan: Inst. Electron. & Commun. Eng. Japan 1983] 50310 (introductory abstract), 50888, 50969–81, 51570, 52062–3, 52075, 52079, 52139–40, 52467–8, 55216–18, 56485–8, 56525–38, 56600–1, 56612, 56864–5, 56890–3, 56902–4, 57138–9, 57182–96, 57293, 57306, 57311–13, 57329–35, 57365–6, 57576, 57584–5

Telecommunications for development; San Jose, Costa Rica, 8-13 Aug. 1983, [Geneva, Switzerland: Int. Telecommun. Union 1983] 50335 (introductory abstract), 53993–4002, 54130–2, 54704–6

Telecommunications liberalisation; London, England, 3 April 1984, [London, England: Commun. Educ. Services April 1984] 40770 (introductory abstract), 43534–6, 43662, 43898

Telecommunications PTC 83; Honolulu, HI, USA, 16-19 Jan. 1983, *D.J.Wedemeyer (editor/s),* [Honolulu, HI, USA: Pacific Telecommun. Council 1983] 29130 (introductory abstract), 32151–65, 32209–11, 32321, 32413, 32684, 32740–9, 32790, 32817, 32892, 32933

Telecoms today; London, England, 13-15 March 1984, [Pinner, Middx., England: Online Publications 1984] 40708 (introductory abstract), 43530–3, 43596, 43657–60, 43680–2, 43812–14, 43896–7, 43907–12

Telematica 84; Stuttgart, Germany, 18-20 June 1984, *W.Kaiser (editor/s),* [Berlin, Germany: VDE Verlag 1984] 50337 (introductory abstract), 50613, 51667, 52266, 54003–4, 54082–95, 54133, 54158, 54264–318, 54442–3, 54590–4, 54606, 54708–9, 54831–6, 54946–54, 54994, 55042–6

Telemetering ITC '83 conference; San Diego, CA, USA, 24-27 Oct. 1983, *(Int. Found. Telemetering; ISA)* [Research Triangle Park, NC, USA: ISA 1983] 50339 (introductory abstract), 46631, 46771, 47196–7, 47638–40, 47786, 47891, 47997, 48053–60, 48418, 48447–51, 48460–5, 48520–1, 48531–5, 48736, 48759, 48761–82, 48793, 48825–6, 48894, 48959, 49018, 49282, 49357, 49430–1, 49437–8, 50107, 51546–8, 53306–7, 53317–18, 53365, 53381, 53788, 54710–13, 54955, 55285–90, 55520, 55579

Thermal infrared sensing for diagnostics and control; Oak Brook, IL, USA, 2-5 Oct. 1983, *(SPIE)* [1984] 50285 (introductory abstract), 50438, 51624, 55242–7, 55473–6, 55745, 56243, 56398

Thermal sciences; Miami, FL, USA, 19-21 April 1982, [Coral Gables, FL, USA: Univ. Miami 1982] 44927, 45208, 45671–3, 49783, 50838, 52679, 55762–3, 57370

Thermo-technical measurements; Budapest, Hungary, 16-18 April 1984, [1984] 33520 (introductory abstract), 33491, 33521–4, 34386

Thick film circuit design; London, England, 16 April 1984, *(IEE)* [London, England: IEE 1984] 35154 (introductory abstract), 36169–72, 39615

Thin film technologies; Geneva, Switzerland, 20-22 April 1983, *(SPIE)* [1983] 35113 (introductory abstract), 35496, 35502, 36686, 37097, 37160–1, 37169, 37187, 37442

Three dimensional imaging; Geneva, Switzerland, 21-22 April 1983, *(SPIE)* [1983] 35114 (introductory abstract), 37475–83, 42730–4, 43416–17, 44233, 44429–30, 48616, 48739–41, 48795, 48965–8, 49283

Time projection chambers; Vancouver, BC, Canada, 23-25 June 1983, [1984] 33630 (introductory abstract), 33631–50, 33757

Total systems reliability; Gaithersburg, MD, USA, 12-14 Dec. 1983, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1983] 29304 (introductory abstract), 29305–8, 29597, 32104, 34316

Trace metals in sea water; Erice, Italy, 30 March-3 April 1981, *C.S.Wong, E.Boyle, K.W.Bruland, J.D.Burton, E.D.Goldberg (editor/s),* [New York, USA: Plenum 1983] 44923–6

Transducer Tempcon 82; London, England, 29 June-1 July 1982, [Tavistock, Devon, England: Trident Int. Exhibitions 1983] 29127 (introductory abstract), 29171, 29569, 33082, 33189–90, 33282–91, 33374, 33529, 33544, 33797, 34312, 34364

Transformations in optical signal processing; Seattle, WA, USA, 23-25 Feb. 1981, *(SPIE)* [1984] 40687 (introductory abstract), 42414, 43418–36, 44234

Transport and defects in amorphous semiconductors; Bloomfield Hills, MI, USA, 22-24 March 1984, [July 1984] 58048, 58741–3, 58771–3, 58823, 58899, 59345, 61397–8, 62705

Tunable diode laser development; San Diego, CA, USA, 25-26 Aug. 1983, *(SPIE)* [1983] 57687 (introductory abstract), 58946, 59208, 59395, 59500–7, 61187, 61563, 61918–19

TV distribution by satellite; London, England, 4 June 1984, *(IEE)* [London, England: IEE 1984] 45844 (introductory abstract), 48452–8, 48558–62

Ultrasonics; Atlanta, GA, USA, 31 Oct.-2 Nov. 1983, *(IEEE) B.R.McAvoy (editor/s),* [New York, USA: IEEE 1983] 50320 (introductory abstract), 50863–72, 51690, 51743, 51788, 52244, 52335–40, 52359–70, 52383–437, 52471–4, 52731–43, 53781–2, 53944, 54908, 55731–2, 55759–61, 55779–82, 56108–16, 56178, 56344–50, 56358–69, 56372–6, 59108, 59112–24, 59255, 61928, 62006

Ultrasonics international 83; Halifax, NS, Canada, 12-14 July 1983, [Sevenoaks, Kent, England: Butterworths 1983] 29570–1, 33485

Underwater navigation; London, England, 24 May 1984, *(IEE)* [London, England: IEE 1984] 40725 (introductory abstract), 44175–81

User services conference; New Orleans, LA, USA, 5-7 Oct. 1983, [New York, USA: ACM 1983] 48264–6

Vacuum ultraviolet radiation physics; Jerusalem, Israel, 8-12 Aug. 1983, [1984] 42576, 42616, 47065, 47341

Vehicular technology conference; Pittsburgh, PA, USA, 21-23 May 1984, *(IEEE)* [New York, USA: IEEE 1984] 57709 (introductory abstract), 59854–5, 59878, 59924, 60359, 60667, 60680–1, 60712–34, 61511, 61843, 62639, 62763–70

Video and data recording; Southampton, England, 2-5 April 1984, *(IERE)* [London, England: IERE 1984] 40711 (introductory abstract), 42266–75, 43192, 44211, 44286–96, 44382

Videotex '84; Chicago, IL, USA, 16-18 April 1984, *(Online)* [Northwood Hills, Middx., England: Online Publications 1984] 54218 (introductory abstract), 54219–63

Videotex report; New York, USA and Amsterdam, Netherlands, 22-29 June 1983 and Nov. 1983, [Northwood Hills, Middx., England: Online Publications 1984] 48088 (introductory abstract), 48089–174

VLSI advanced research; Cambridge, MA, USA, 23-25 Jan. 1984, *P.Penfield Jr. (editor/s),* [Cambridge, MA, USA: MIT 1984] 40710 (introductory abstract), 41148, 41274, 41333–4, 41402–3, 41439, 42072, 42131–6, 42172–3, 44516–17, 46301, 46440, 46477, 46514, 46587, 47109–12, 47140, 47195, 47785

VLSI and software engineering; Port Chester, NY, USA, 4-6 Oct. 1982, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1983] 50325 (introductory abstract), 50429, 50910–11, 51180–2, 52245–57

VLSI in computers; Port Chester, NY, USA, 31 Oct.-3 Nov. 1983, *(IEEE)* [Silver Spring, MD, USA: IEEE Comput. Soc. Press 1983] 29589–96, 29619, 29756–7, 29809–11, 29879, 29929, 30712, 30777–8

VLSI systems on silicon; Stratford-upon-Avon, England, 5-9 Sept. 1983, *(IEE) P.B.Denyer (editor/s),* [London, England: Peter Peregrinus 1984] 45841 (introductory abstract), 45842, 45948–50, 45971, 46302–5, 46404, 46515–17, 46541, 47062, 47113–16, 47892, 47998

VLSI technology; Maui, HI, USA, 13-15 Sept. 1983, *(IEEE; Japan Soc. Appl. Phys)* [Tokyo, Japan: Business Centre for Acad. Soc. Japan 1983] 29132 (introductory abstract), 29816, 29880, 30715–25, 30752–4, 30781–813

Water pollution control; Coventry, England, 5-8 Sept. 1983, [1984] 61990 (introductory abstract),

Winter simulation conference; Arlington, VA, USA, 12-14 Dec. 1983, *(IEEE; ACM; Inst. Ind. Eng.; NBS; ORSA; SCS; TIMS) S.Roberts, J.Banks, B.Schmeiser (editor/s),* [New York, USA: IEEE 1983] 35363–5, 38173–5, 40913–14, 40928–9, 44166

World computing services industry congress; Tokyo, Japan, 11-13 June 1984, [c/o International Congress Service Inc., Tokyo, Japan: World Computing Services Industry Fair 1984] 60414, 60543–4

X-ray and γ-ray imaging techniques; Southampton, Hants., England, 13-15 July 1983, [15 March 1984] 35115 (introductory abstract), 35525, 38041, 39060, 39422–4, 39500–2, 39526–9

X-ray lithography and soft x-rays; Upton, NY, USA, 19-20 Oct. 1983, *(SPIE)* [1984] 50286 (introductory abstract), 51931–2, 52155–62, 53091, 53119–20, 55783, 56039

X-ray optics and microanalysis; Toulouse, France, 5-9 Sept. 1983, [Feb. 1984] 36272, 36410, 36434–5, 36501, 36717–18, 42373–5

CORPORATE AUTHOR INDEX

This is an index to those items where a corporate organisation rather than an individual person is the agent primarily responsible for the publication. Such publications typically include reports of industrial firms or of government departments or research establishments.

CERN, Geneva, Switzerland
BST-PINK PANTHER. An intelligent CAMAC crate controller, CERN 84-03. 44700
Introduction to transfer lines and circular machines, CERN 84-04. 44664
Percages et alesages d'un tube en materiau composite Kevlar-epoxy (Drilling and boring a tube of Kevlar-epoxy composite material), CERN 84-05. 47152

Comm. European Communities, Luxembourg
Case study Netherlands. Reference case II, EUR 8959 EN. 45207
Comparative study for the Community on candidate technologies to relieve the European energy system, EUR 8908 EN. 45911
Energy cascading combined with thermal energy storage in industry, EUR 8904 EN. 40637
Environmental monitoring. European interlaboratory test programme for integrating dosemeter systems, EUR 8932 EN. 61842
Erstellung eines EDV-Programmes zur Berechnung des dynamischen Verhaltens der Asynchronmaschine (Setting up an EDP program for calculation of the dynamic behaviour of asynchronous machines), EUR 8277 DE. 40261
EURECA: Current structure and use, EUR 8972 EN. 34252
Evaluation of COST project 11 (1972-77) and project 11bis (1980-1983) on 'teleinformatics', EUR 8517 EN, FR. 32412
Improvement of radiation network and an analysis of the components of global solar radiation on a vertical south-facing surface, EUR 8909 EN. 33983
Investigation on ion implantation as a technique suitable to fabricate high efficiency silicon solar cells. Part II. Ion implanted, laser annealed cell, EUR 8215 EN. 40462
Pile a hydrogene a electrolyte alcalin immobilise (Hydrogen cell solid alkaline electrolyte), EUR 9049 FR. 62694
Presentation and analysis of national results for reference case II. Ireland. EC medium term energy modelling, EUR 8965 EN. 39974
Simulators of nuclear power stations, EUR 8174 EN. 34360
Survey of the present state of automation and advanced technology fusion welding in Japan and the European Community, EUR 8679 EN. 40660

Defence Sci. & Technol. Organ., Electron. Res. Lab., Adelaide, SA, Australia
Microcode for the control processor of the ARO Array Processor, ERL-0286-TM. 54871

Defence Sci. & Technol. Organ., Mater. Res. Labs., Melbourne, Vic., Australia
Characteristics of a plasma-injection-controlled discharge for CO_2 mixing lasers, MRL-R-922. 42561
Development of an X-ray facility for radiation dosimetry studies, MRL-R-910. 56066
High-temperature oxidation of alpha nickel-silicon: I. Reaction kinetics - Thermogravimetry, MRL-R-887. 35516
Nicrosil versus nisil type N thermocouple: A commercial reality, MRL-R-903. 55445
Performance results of a small-calibre electromagnetic launcher, MRL-R-917. 42828

Electr. Power Res. Inst., Palo Alto, CA, USA
10-MW (e) solar-thermal central-receiver pilot plant. Vol.I-II, EPRI-AP-3285. 40164
1984-1988 research and development program plan, EPRI-P-3404-SR. 39965
Acid deposition: Decision framework. Vol.III: State-level application, EPRI-EA-2540. 33996
Acoustic emissions from crack growth in steam turbine rotor steels, EPRI-CS-3428. 35563
Acoustic monitoring of nuclear safety and relief valves, EPRI-NP-3332. 34303
An approach for determing transfer capability objectives. Vol.II, EPRI-EL-3425. 39768
An approach for determining transfer capability objectives. Vol.I, EPRI-EL-3425. 39767
An approach to the assurance of technical adequacy in probabilistic risk assessment of light water reactors, EPRI-NP-3298. 34356
Assessment of turbine-casing impact code calculations, EPRI-NP-2744. 56765
Augmented heat transfer rates in utility condensers, EPRI-CS-3527. 62404
Battery Energy Storage Test (BEST) facility: Third progress report, EPRI-EM-2995. 44419
Calcium-based sorbent requirements for pressurized fluidized-bed combustion systems, EPRI-CS-3330. 34431
Causes of denting. Vol.IV: Isothermal capsule tests, EPRI-NP-3275. 34298
Causes of denting. Vol.V: Contaminant threshold tests, EPRI-NP-3275. 40027
Choice of discount rates in utility planning: A critique of conventional betas as risk indicators for electric utilities, EPRI-EA-3392. 34115
Coal-water-slurry technology development. Vol.I: Burner technology, EPRI-CS-3374. 34432
Combustion-turbine design guidelines based on deposition-corrosion considerations. Vol.II: Coal-derived liquid studies, EPRI-AP-2739. 56856
Commercial aviation experience of value to the nuclear industry, EPRI-NP-3364. 40007
Compact capacitor/filter development, EPRI-EL-3452. 50118
Comparison of alternative methods for measuring cooling-tower drift, EPRI-CS-3355. 34000
Conceptual design and cost of a superconducting magnetic energy storage plant, EPRI-EM-3457. 40515
Condensate polishing at Plant Bowen, EPRI-NP-3311. 34311
Condition monitoring of nuclear plant electrical equipment, EPRI-NP-3357. 34310
Conference on utility conservation programs: Planning, analysis, and implementation, EPRI-EA-3530. 62029
Considerations in designing and using power system operator training simulators, EPRI-EL-3192. 39819
Coolant chemistry effects on radioactivity at two pressurized water reactor plants, EPRI-NP-3463. 40028
Core design and operating data for cycles 2 and 3 of Hatch 1, EPRI-NP-2106. 34362
Correlation between aging and seismic qualification for nuclear plant electrical components, EPRI-NP-3326. 34299
Cost and performance for commercial applications of Texaco-based gasification-combined-cycle plants. Vol.I-II, EPRI-AP-3486. 40135
Criteria for determining the duration of integrated leakage rate tests of reactor containments, EPRI-NP-3400. 34357
Decision framework for ambient air quality standards. Vol.I: Methodology and model structure, EPRI-EA-3193. 56339
Design and fabrication of steam turbine disc NDE test-bed facilities, EPRI-NP-3538. 56763
Determination and verification of required water chemistry limits. Vol.I: Summary report, EPRI-NP-3274. 40030
Development of an EPRI reliability assessment system (ERAS) for combined-cycle power plants, EPRI-AP-3420. 40122
Digest research in the electric utility industry. Vols.II-III, EPRI-Digest-83. 34015
Digital feedwater controller for a BWR: A conceptual design study, EPRI-NP-3323. 34359
Economic evaluation of FGD systems. Vols.I-III, EPRI-CS-3342. 34430
Electrochemical machining development for turbine generator rotor slots, EPRI-EL-3390. 45803
ENDF/B-V cross-section library for reactor cell analysis, EPRI-NP-3418. 34361
Energy and household expenditure patterns. Vol.I: Residential energy demand, EPRI-EA-3442. 35230
Environmental impacts of dispersed and concentrated siting of coal-fired power plants, EPRI-EA-3484. 62403
EPRI research on power plant mechanical auxiliaries, EPRI-NP-3536. 56764
Evaluation and status of flue gas desulfurization systems, EPRI-CS-3322. 33998
Evaluation of advanced static VAR generators, EPRI-EL-3397. 62633
Evaluation of computer-aided design and drafting for the electric power industry, EPRI-NP-3398. 34306
Evaluation of field applications of boric acid in PWR steam generators, EPRI-NP-3278. 40029
Evaluation of nuclear power plant standardization concepts, EPRI-NP-3569. 56767
Evaluation of wet oxidation technology for the treatment of coal conversion wastewater, EPRI-AP-3315. 33997
Examination of methods for providing residential customers with estimates of end-use electricity consumption, EPRI-EA-3576. 56484
Failures and inspections of fossil-fired boiler tubes: 1983 conference and workshop, EPRI-CS-3272. 40121
Fault and partial discharge location systems for gas-insulated transmission lines, EPRI-EL-3313. 34194
Fault protection for high-phase-order transmission lines. Vol.I, EPRI-EL-3316. 34151
Fault protection for high-phase-order transmission lines. Vol.II, EPRI-EL-3316-CCM. 34152
Fuel failures in the Connecticut Yankee Reactor (Haddam Neck). Addendum to NP-2119, EPRI-NP-3488. 56782
Geothermal downwell pump reliability: State-of-the-art assessment, EPRI-AP-3572. 56868
Guide for developing preventive maintenance programs in electric power plants, EPRI-NP-3416. 56762
High-voltage stator winding development, EPRI-EL-3391. 40215
Household appliance choice: Revision of REEPS behavioral models, EPRI-EA-3409. 34116
Hydropower reliability study, EPRI-EM-3435. 40155
Identification of radwaste sources and reduction techniques. Vol.I-III, EPRI-NP-3370. 34300
Impact of industrial robots on electric loads in U.S. industry, EPRI-EM-3325. 34118
Improvement in accuracy of prediction of electrical machine constants and generator models for subsynchronous resonance conditions. Vol.I-II, EPRI-EL-3359. 40214
Industrial energy substitution: Econometric analysis of U.S. data, 1958-1974, EPRI-EA-3462. 40638
Industrial process models of electricity demand. Vol.I-IV, EPRI-EA-3507. 50239
Industrial response to time-of-use rates. Quantitative analysis of French, English and Welsh data, EPRI-EA-3506. 62086
Initial examination of the surface layer of a 9-inch leadscrew section removed from Three Mile Island-2, EPRI-NP-3407. 34358
Integrated photovoltaic central station conceptual designs, EPRI-AP-3264. 62467
Investigation of ammonium sulfate conditioning for cold-side electrostatic precipitators. Vols.I-II, EPRI-CS-3354. 33999
Load management strategy testing model case study, EPRI-EA-3387. 34119
Maximum safe pulling lengths for solid dielectric insulated cables. Vol.I, EPRI-EL-3333. 34195
Maximum safe pulling lengths for solid dielectric insulated cables. Vol.II, EPRI-EL-3333-CCM. 34196
Modeling and valuation of utility investments, EPRI-EA-3531. 49563
Nondestructive evaluation instrument surveillance test on 26-inch pipe, EPRI-NP-3393. 29568

Nondestructive evaluation program: Progress in 1983, EPRI-NP-3347-SR. 35291
Nonutility demand for coal. Vol.I-II, EPRI-EA-3456. 39975
Nuclear unit operating experience: 1980 through 1982 update, EPRI-NP-3480. 45258
PCB removal from transformers, EPRI-EL-3345. 49939
Photovoltaic power systems research evaluation. A report of the EPRI Ad Hoc Photovoltaic Advisory Committee, EPRI-AP-3351. 34502
Pipe cracking in pressurized water reactors with low-pressure borated-water systems, EPRI-NP-3320. 34301
Procedure for reviewing and improving power plant alarm systems. Vol.I-III, EPRI-NP-3448. 40009
Proceedings: EPRI load research symposium, EPRI-EA-3389. 29125
PWR radiation fields through 1982, EPRI-NP-3432. 34308
Rationale for chemical control of feedwater and boiler water. Vol.I: Concentration models, EPRI-NP-3048. 34304
Recovery of TMI-2 reactor building polar crane, EPRI-NP-3411. 34307
Regional load-curve models. Vol.V: Data base, EPRI-EA-1672. 39843
Reliability, availability, and maintainability audit of the T.H. Wharton Plant, Units 3 and 4, Houston Lighting and Power, EPRI-AP-3495. 62373
Revenue-metering device for HVDC systems, EPRI-EL-3505. 62259
Review of proposed dry-storage concepts using probabilistic risk assessment, EPRI-NP-3365. 34309
Role of energy in productivity growth, EPRI-EA-3482. 45910
Secondary water chemistry at Oconee, EPRI-NP-3198. 40031
Selected statistical methods for analysis of load research data, EPRI-EA-3467. 49579
Sensitivity studies of seismic risk models, EPRI-NP-3562. 56766
Stator-coil wedge-tightness detector, EPRI-EL-3358. 40154
Stress and fracture analysis of shrunk-on steam turbine disks, EPRI-NP-3340. 40120
Survey of conditional energy demand models for estimating residential unit energy consumption coefficients, EPRI-EA-3410. 34117
System controls for solar-heating and heat- and cool-storage systems, EPRI-EM-3542. 57575
THEDA-2: A multidimensional steam generator thermal-hydraulic model. Vols.I-III, EPRI-NP-3031-CCM. 34302
TRANSG-01: A computer code for transient analysis of nuclear steam generators. Vols.I-IV, EPRI-NP-3394-CCM. 34305
Transient electrical behavior in magnetohydrodynamic generators, EPRI-AP-3399. 40481
Transient simulation studies for PWR U-tube steam generators, EPRI-NP-3412. 40032
Utility survey of methods for minimizing the number and severity of system separations, EPRI-EL-3437. 39842
Value-impact analysis of selected safety modifications to nuclear power plants, EPRI-NP-3434. 40008
Wind turbine performance assessment. Technology status report No.7, EPRI-AP-3447. 49823
Workshop proceedings: Electrical testing of extruded-dielectric power transmission cables, EPRI-EL-3415. 49605
Workshop proceedings: Planning and assessment of load management, EPRI-EA-3464. 49539

European Space Agency, Paris, France
TUD-ESA spherical near-field antenna test facility, Lyngby, Denmark, ESA BR-19. 59876

HMSO, London, England
Bands I and III. A consultative document, Cmnd.9241. 43998

Hungarian Acad. Sci., Budapest
(n,α) Magreakcion alapulo szilardtest nyomdetektorokbol felepitett szemelyi albedo neutron dozimeter jelzesenek vizsgalata szamitassal (Incident and albedo neutron effects on (n,α) track and fission detectors), KFKI-1984-26. 49090
Temperature and substrate dependence of the morphology of glow discharge deposited a-Si:H, KFKI-1984-20. 29540
Termoluminesczens detektorok gyorsneutron erzekenysegenek vizsgalata (Fast neutron sensitivities of thermoluminescent detectors), KFKI-1984-36. 44790
Thermoluminescent dose measurements on board Salyut type orbital stations, KFKI-1984-81. 61841

IEEE Power Engng. Soc., Power Engng. Education Committee
A model advanced electric power engineering curriculum, . 50357

IEEE Power Engng. Soc., Power Engng. Education Committee, Educational Resource Subcommittee
Electric power engineering education resources—1981-82, . 40733

IEEE Power Engng. Soc., Power System Engng. Committee, Var Management Task Force
Var management—problem recognition and control, . 62073

IEEE Power Engng. Soc., Power System Relaying Committe, Shunt Reactor Protection Working Group
Shunt reactor protection practices, . 62579

IEEE Power Engng. Soc., Power System Relaying Committee Consumer Relaying Coordination Subcommmittee, Wave Distortion on Consumer's Interconnection Working Group
The impact of sine-wave distortions on protective relays, . 49628

IEEE Power Engng. Soc., Transmission & Distribution Committee, Task Group on State of the Art Distribution System Design
Bibliography on distribution automation: 1969-1982, . 56589

IEEE Power Engng. Soc., Transmission & Distribution Committee, Working Group on Dynamic Performance of DC Systems
Functional model of two-terminal HVDC systems for transient and steady state stability, . 56567

Inst. Electr. Electron. Eng., New York, USA
IEEE guide to the collection and presentation of electrical, electronic, sensing component, and mechanical equipment reliability data for nuclear-power generating stations, IEEE Std 5000-1984. 45239
IEEE recommended practice for electric power systems in commercial buildings, IEEE Std 241-1983. 39769
IEEE recommended practice for electric installations on shipboard, IEEE Std 45-1983. 40559
IEEE recommended practice for implementation of unique identification in power plants and related facilities, IEEE Std 804-1983. 39964

Int. Comm. Illumination, Paris, France
Lighting for football, CIE-57. 50215
Lighting for sports halls, CIE-58. 50216

Ist. Naz. Fis. Nucl., Genoa, Italy
Romulus compatible asynchronous time and amplitude pad acquisition system, INFN/TC-84/10. 55983

Ist. Naz. Fis. Nucl., Milan, Italy
Design of the magnetic field for the Milan superconducting cyclotron, INFN/TC-84/5. 55790
Pressure calculations for the cryostat of the Milan Superconducting Cyclotron, INFN/TC-83/21. 33580

Ist. Naz. Fis. Nucl., Padua, Italy
^{15}N beam facility for hydrogen profile studies at the Laboratori Nazionali di Legnaro, INFN/BE-84/2. 33579
High accuracy calibration system for charge read-out electronics, INFN/TC-84/7. 44696

Ist. Naz. Fis. Nucl., Pisa, Italy
Digital imaging with a pressurized xenon filled MWPC working at a high data rate, INFN/TC-84/6. 49089

Ist. Naz. Fis. Nucl., Trieste, Italy
High-energy mass spectrometry with large tandem accelerators, INFN/BE-84/4. 55789

Lab. voor Elektronika en Meettech., Rijksuniv. te Gent, Ghent, Belgium
The distributed series resistance problem in solar cells, . 57363

Load Management Subcommittee, IEEE Power Engng. Soc.
Distributed intelligence load control: yes or no?, . 56462
Utility load management organization survey, . 56463

Nat. Bur. Stand., Washington, DC, USA
AC voltage calibrations for the 0.1 Hz to 10 Hz frequency range, NBS-TN-1182. 39252
Calibration of temperature measurement systems installed in buildings, NBS-BSS-153. 38997
Characteristics of iris-fed millimeterwave rectangular microstrip patch antennas, NBS-TN-1063. 37719
Construction of the NBS-design high-temperature platinum resistance thermometer, NBS-TN-1183. 33280
Design and error analysis for the WR10 thermal noise standard, NBS-TN-1071. 37718
Eigenmodes and the composite quality factor of a reverberating chamber, NBS-TN-1066. 37617
Error analysis for the use of presently available lunar radio flux data in broadbeam antenna-system measurements, NBS-TN-1073. 60776
High-speed data acquisition system for fluid mechanics measurements, NBS-TN-1181. 39363
On-site calibration of flow metering systems installed in buildings, NBS-BSS-159. 55758
Optical fiber characterization. Attenuation, frequency domain bandwidth, and radiation patterns, NBS-SP-637 vol.2. 38652
Picosecond time difference measurements utilizing CAMAC-based ANSI/IEEE-488 data acquisition hardware operating manual IE3 version 1.0, NBS-TN-1056. 39327
Reference flat pulse generator, NBS-TN-1067. 39205
Specifications, tolerances, and other technical requirements for weighing and measuring devices, NBS-Handbook-44. 35128
Techniques in high-temperature resistance thermometry, NBS-TN-1183. 33279
Theory of near-field phased arrays for electromagnetic susceptibility testing, NBS-TN-1072. 59887
Toroidal resistor for high temperature platinum resistance thermometers, NBS-TN-1183. 33281
Uniform laws and regulations, NBS-Handbook-130. 35127

Nat. Lab. High Energy Phys., Ibaraki-ken, Japan
First test experiment of H$^-$charge-exhange injection in the KEK booster, KEK 84-6. 61666
High gradient acceleration of particles by Wake Field Transformation, KEK 84-1. 39387
Silica aerogel Cerenkov counter, KEK 83-25. 33728
Silica aerogel Cerenkov counter, KEK 83-25. 33784

Nat. Phys. Lab., Teddington, England
Elastic buffers for digital rings, NPL-DITC-38/84. 54395

NEI-A.P.E. Ltd., Bedford, England
Allen engines on BBC World Service, (unnumbered). 40676
Epicyclic gears for offshore gas turbine driven reciprocating compressors, (unnumbered). 40681
Pacific island power station, (unnumbered). 40139
Waste heat and chp, (unnumbered). 40123

Phys.-Tech. Bundesanstalt, Braunschweig, Germany
Bestimmung des Druck-Leerlauf-Übertragungsmasses von 1-Zoll-Kondensatormikrofonen in der Physikalisch-Technischen Bundesanstalt (Determination of the pressure-open circuit- transmission constant of 1 inch condenser microphones in the PTB), PTB-Ak-26. 55116
Final report - EC-comparison measurements for forces up to 1 MN between Belgium, MD/SM Brussels; Federal Republic of Germany, PTB Braunschweig; France, LNE Paris; Italy, IMGC Turin; The Netherlands, TNO; VSL Delft; United Kingdom, NPL Teddington (August 1983), PTB-Me-54. 55709
Force standard machines of the National Institutes for Metrology. Vol.II, PTB-Me-62. 61549
Procedure for the measurement of the radon concentration in natural gas, PTB-Ra-14. 33729
Prozessgesteuerte Messwerterfassung am Beispiel Rauschmesstechnik (Process control measuring device with an example in acoustic technology), PTB-E-25. 44418
Referenzmaterial und Kalibrierdienste fur magnetische Datentrager - Ein Uberblick uber Entwicklungsarbeiten und Ergebnisse (Reference material and calibration for magnetic data storage - An overview of development work and results), PTB-Ak-27. 42264
Report on the measurements carried out within the framework of the EC comparison between the PTB, Braunschweig and the NPL, Teddington (April 1981), PTB-Me-49. 39162
Report on the measurements carried out within the framework of the EC comparison between the PTB, Braunschweig and the IMGC, Turin (May 1981), PTB-Me-51. 39163
Report on the measurements carried out within the framework of the EC comparison between the PTB, Braunschweig and the MD/SM, Brussels (April 1982), PTB-Me-52. 39161
Report on the measurements carried out within the framework of the EC comparison between the PTB, Braunschweig and the TNO, Delft (November/December 1982), PTB-Me-53. 33278
Spektrale Untersuchungen an kommerziellen GaAlAs-Laserdioden (Spectral investigations of commercial GaAlAs laser diodes), PTB-Me-56. 31401

Power Apparatus & Systems Committee, IEEE Power Engng. Soc.
LMITs—load management innovative techniques, . 56472

Power System Engng. Committee IEEE Power Engng. Soc.
Application of direct methods to transient stability analysis of power systems, . 56465

Power System Relaying Committee, IEEE Power Engng. Soc
Generator Ground Protection Guide, . 56965

Rutherford Appleton Lab., Chilton, Oxon., England
Development of a prototype tapered cell drift chamber, RAL-84-050. 61710
Micro vertex detector design for collider geometries, RAL-84-052. 61709
Spallation neutron source RF cavity bias system, RAL-84-031. 39405
UA1 calorimeter trigger, RAL-84-025. 33756
Tech. Res. Centre Finland, Metall. Lab., Espoo
On the reliability of creep damage assessment of power plant steam pipings, 249. 45311
Tech. Res. Centre Finland, Telecommun. Lab., Espoo
Choice of private automatic branch exchange (PABX) and the structure of telecommunication network in an organization, 259. 48358
UKAEA, Harwell, Oxon., England
'SAMPLE' - A suite of programs for automatic control of the small angle scattering spectrometer sample changer, AERE-R 11050. 33771
Some properties of epoxy resins used for filament winding and preimpregnating fibres, AERE-R 10966. 36955
Zajednica Jugoslovenske Elektroprivrede, Belgrade, Yugoslavia
Electric power industry of Yugoslavia, (unnumbered). 56524

List of Journals and other Serial Sources

Introduction

Input to the INSPEC database is prepared from the world's literature in the fields of physics, electrical engineering, electronics, computers and control. The publications scanned include journals, conference proceedings, books, reports and theses. The INSPEC *List of Journals and other Serial Sources* provides details of all regular journals, followed by a similar listing of all other serial publications which are regularly scanned for the database, e.g. series of monographs, annual reviews, report series etc.

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Not all articles from the listed publications are abstracted. Selection depends on whether the individual article is of sufficient quality and falls within the INSPEC subject scope. However, a number of journals are central to the INSPEC subject field and of a quality such that, virtually without exception, all articles are abstracted. These journals are indicated in the list by the symbol †.

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INSPEC does not itself supply copies of the original articles. However, the main entry for each serial generally contains sufficient information about the publisher for an order to be made. Otherwise, to obtain copies of articles abstracted in the INSPEC information services consult your organisation's library, or your other local and national lending libraries. Should you still have difficulty in obtaining the material please consult the:

British Library, Lending Division
Boston Spa
Wetherby
West Yorks. LS23 7BQ
England

OR

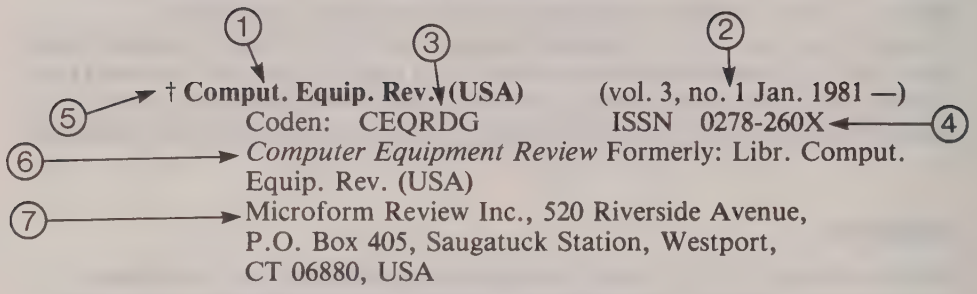
Engineering Societies Library
345 East 47th Street
New York
NY 10017
USA

Assistance can also be provided in the areas of electrical and electronic engineering and computers by:

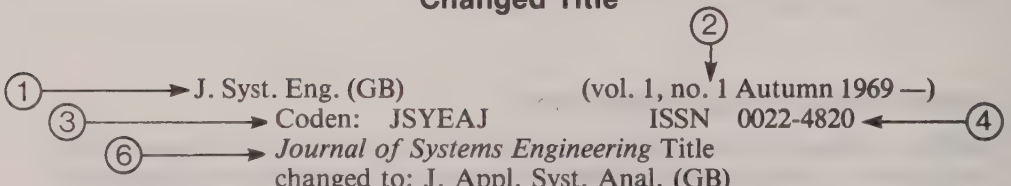
The Library
Institution of Electrical Engineers
Savoy Place
London
WC2R 0BL
England

Entry Format—Examples

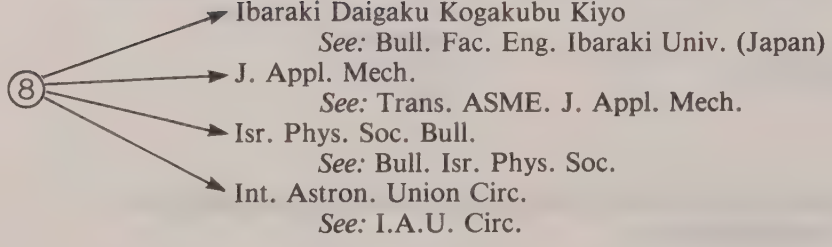
Current Title



Changed Title



Title Cross Reference


8
Ibaraki Daigaku Kogakubu Kiyo
See: Bull. Fac. Eng. Ibaraki Univ. (Japan)
J. Appl. Mech.
See: Trans. ASME. J. Appl. Mech.
Isr. Phys. Soc. Bull.
See: Bull. Isr. Phys. Soc.
Int. Astron. Union Circ.
See: I.A.U. Circ.

Key to examples

1. ***Abbreviated title and country of publication.***
   The form of abbreviation used in the title conforms to ISO 4-1972(E) International code for the abbreviation of titles of periodicals and ISO 833-1974(E) International list of periodical title word abbreviations.

2. ***First issue covered by INSPEC.*** Details are given of the first issue covered. Records are only available for journals added since 1968. For journals covered since 1968 or earlier the entry will therefore be (1968 –)

3. ***Coden*** — this is a five-character unique code intended to identify the title for computer handling of serial titles. A sixth-character check digit has been added. The source for Coden is:

   International Coden Service
   c/o Chemical Abstracts Service
   The Ohio State University
   Columbus Ohio 43210
   USA

4. ***ISSN*** — the ISSN (International Standard Serial Number) also provides a unique identification for serial titles. ISSN are assigned by International Serials Data System (ISDS) national centres which are coordinated by the ISDS International Centre in Paris. The format of ISSN complies with ISO 3297-1975E *Documentation — International Standard Serial Numbering (ISSN).*

5. ***Abstracted completely***

6. ***Full title***

7. ***Publisher's name and address.***

8. ***Title cross reference.*** The cross reference entries are provided to assist the user in locating titles within the list. Cross reference entries have generally been used where:
   i) there is a foreign language form of the title
   ii) there is an alternative form of the title
   iii) the title begins with a generic term such as 'Bulletin', 'Journal', 'Report' etc. rather than the name of the organisation issuing the serial. In this case a cross reference is made from the name of the organisation.
   iv) the title begins with an acronym or initialism. In this case a cross reference is provided from the expansion of the acronym to the acronym itself. Some very commonly used acronyms or initialisms, e.g. IEEE are not expanded.

List of Journals

The 3146 journal titles below are regularly received and scanned by INSPEC for its information services. The 601 titles marked † are those journals from which all articles are normally abstracted. Any changes in title are indicated. Where a journal has had more than one change of title, an entry is included for each title.

The entries are arranged in alphabetical order of abbreviated title on the nothing-before-something principle.

16 Bit Comput. (GB) (Jan. 1984—)
Coden: SBCOEP ISSN 0265-7066
16 Bit Computing Paradox Group Ltd., The Metropolitan, Enfield Road, London N1 5AZ, England

73 Amat. Radio's Tech. J. (USA) (no.270 March 1983—)
Coden: ARTJD8 ISSN 0745-080X
73. Amateur Radio's Technical Journal 73 Inc., 80 Pine Street, Peterborough, NH 03458, USA

AAS Photo-Bull. (USA) (no.26 1981—)
Coden: ASYBBE ISSN 0065-7433
AAS Photo-Bulletin American Astronomical Society, c/o A.G. Smith, Managing Editor, 211 Space Sciences Building, University of Florida, Gainesville, FL 32611, USA

AAVSO Bull.
See: Bull. Am. Assoc. Variable Star Obs. (USA)

AAVSO Circ. (USA) (no.127 May 1981—)
Coden: AACID5
AAVSO Circular 187 Concord Avenue, Cambridge, MA 02138, USA

AAVSO Rep. (USA) (no.38 1983—)
Coden: AARPDX ISSN 0097-5265
AAVSO Report American Association of Variable Star Observers, 187 Concord Avenue, Cambridge, MA 02138, USA

A&B Comput. (GB) (vol.1, no.9 Oct. 1984—)
A&B Computing Argus Specialist Publications Ltd., Number One, Golden Square, London W1R 3AB, England

ABA Banking J. (USA) (vol.74, no.4 April 1982—)
Coden: ABAJD5 ISSN 0194-5947
ABA Banking Journal American Bankers Association, 345 Hudson Street, New York, NY 10014, USA

ABI-Tech. (Germany) (vol.4, no.1 1984—)
Coden: ABITD7 ISSN 0720-6763
ABI-Technik Karlheinz Holz, Friedrichstrasse 55, Postfach 33 29, 6200 Wiesbaden 1, Germany

ABU Tech. Rev. (Japan) (no.1 March 1969—)
Coden: ABUTAU ISSN 0126-6209
ABU Technical Review Asian Broadcasting Union, Broadcasting Centre, 2-2-1 Jinnan, Shibuya-ku, Tokyo 150, Japan

Acad. Cienc. Zaragoza Rev.
See: Rev. Acad. Cienc. Zaragoza (Spain)

Acad. Pol. Sci. Bull. Ser. Sci. Tech.
See: Bull. Acad. Pol. Sci. Ser. Sci. Tech. (Poland)

Acad. Rep. Fac. Eng. Tokyo Inst. Polytech. (Japan) (1983—)
Coden: TOKIDC ISSN 0387-6055
Academic Reports, Faculty of Engineering, Tokyo Institute of Polytechnics 1583 Iiyama, Atsugi-shi, Kanagawa 243-02, Japan

Acad. Sci. USSR Bull. Phys. Ser.
See: Bull. Acad. Sci. USSR, Phys. Ser. (USA)

Acad. Serbe Sci. & Arts, Glas, Cl. Sci. Tech. (Yugoslavia) (vol.316, no.15 1979—)
Coden: GSANDW ISSN 0081-3974
Academie Serbe des Sciences et des Arts, Glas, Classe des Sciences Techniques 11000 Beograd, Knez Mihailova 35, Yugoslavia

Acad. Sin. Astron. Circ.
See: Astron. Circ. (Acad. Sin.) (China)

Acad. Sin. Inst. Phys. Annu. Rep.
See: Annu. Rep. Inst. Phys. Acad. Sin. (Taiwan)

Account. Mag. (GB) (vol.87, no.927 Sept. 1983—)
Coden: ACMAEC ISSN 0001-4761
Accountant's Magazine Published for the Institute of Chartered Accountants of Scotland by The Accountant's Publishing Co. Ltd., 27 Queen Street, Edinburgh EH2 1LA, Scotland

Accountancy (GB) (vol.94, no.1079 July 1983—)
Coden: ACTYAD ISSN 0001-4664
Accountancy Institute of Chartered Accountants in England and Wales, 40 Bernard Street, London WC1N 1LD, England

Accountant (GB) (vol.189, no.5652 4 Aug. 1983—)
Coden: ACNTA2 ISSN 0001-4710
Accountant Gee & Co (Publishers), 151 Strand, London WC2R 1JJ, England

ACEC Rev. (Belgium) (1968—)
Coden: ACECA8 ISSN 0001-0669
ACEC Review Ateliers de Constructions Electriques de Charleroi, B.P. 4, B-6000 Charleroi, Belgium

Achats & Entretien Mater. Ind. (France) (vol.21, no.228 Jan. 1972—)
Coden: AEMTBC
Achats et Entretien du Materiel Industriel Title changed to: Equip. Ind. Achats & Entretien (France)

ACM SIGDOC Asterisk (USA) (vol.7, no.5 Nov. 1981—)
Coden: ASIADZ
ACM SIGDOC Asterisk Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†ACM Trans. Comput. Syst. (USA) (vol.1, no.2 May 1983—)
Coden: ACSYEC ISSN 0734-2071
ACM Transactions on Computer Systems Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†ACM Trans. Database Syst. (USA) (vol.1, no.1 March 1976—)
Coden: ATDSD3 ISSN 0362-5915
ACM Transactions on Database Systems Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

ACM Trans. Graphics (USA) (vol.1, no.4 Oct. 1982—)
Coden: ATGRDF ISSN 0730-0301
ACM Transactions on Graphics Association for Computing Machinery, P.O.Box 12115, Church Street Station, New York, NY 10249, USA

†ACM Trans. Math. Software (USA) (vol.1, no.1 March 1975—)
Coden: ACMSCU ISSN 0098-3500
ACM Transactions on Mathematical Software Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

ACM Trans. Off. Inf. Syst. (USA) (vol.1, no.1 Jan. 1983—)
Coden: ATOSDO ISSN 0734-2047
ACM Transactions on Office Information Systems Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†ACM Trans. Program. Lang. & Syst. (USA) (vol.1, no.1 1979—)
Coden: ATPSDT ISSN 0164-0925
ACM Transactions on Programming Languages and Systems Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Acorn User (GB) (no.25 Aug. 1984—)
Coden: ACUSD3 ISSN 0263-7456
Acorn User Redwood Publishing, 68 Long Acre, London WC2E 9JH, England

Acoust. & Noise Control Can. (Canada) (vol.9, no.4 Oct. 1981—)
Coden: ANCCDA ISSN 0229-2238
Acoustics and Noise Control in Canada (l'Acoustique et la Lutte Antibruit au Canada) Title changed to: Can. Acoust./Acoust. Can. (Canada)

Acoust. Lett. (GB) (vol.3, no.1 July 1979—)
Coden: ACLEDI ISSN 0140-1599
Acoustics Letters 14 Broadway, London SW1H 0BH, England

Acoust. Soc. Am. J.
See: J. Acoust. Soc. Am. (USA)

Acoust. Soc. Jpn. J.
See: J. Acoust. Soc. Jpn. (Japan)

Acoust. Soc. Jpn. J. (E)
See: J. Acoust. Soc. Jpn. (E) (Japan)

Acta Acust. (China) (no.1 Jan. 1981—)
Coden: SHGHAS ISSN 0371-0025
Acta Acustica Science Press, Beijing, People's Republic of China. Subscription address: Guozi Shudian, P.O Box 399, Beijing

†Acta Astron. (Poland) (vol.19, no.2 1969—)
Coden: AASWAM ISSN 0001-5237
Acta Astronomica ARS Polona-Ruch, Krakowskie Przedmiescie 7, 00-068 Warszawa, P.O. Box 1001, Poland

Acta Astron. Sin. (China) (vol.15, no.1 1974—)
Coden: TIWHAO ISSN 0001-5245
Acta Astronomica Sinica Chinese Astronomical Society, Nanking, People's Republic of China [English translation in: *Chin. Astron. (GB)*]

Acta Astronaut. (GB) (vol.1, no.1-2 Jan.-Feb. 1974—)
Coden: AASTCF ISSN 0094-5765
Acta Astronautica Formerly: Astronaut. Acta (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Acta Astrophys. Sin. (China) (vol.4, no.2 April 1984—)
Coden: TWXUDX
Acta Astrophysica Sinica Distribution address: China International Book Trading Corp., Guoji Shudian, P.O.Box 2820, Beijing, People's Republic of China

Acta Autom. Sin. (China) (vol.7, no.1 Jan. 1981—)
Coden: ZIXUDZ ISSN 0254-4156
Acta Automatica Sinica Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Acta Cienc. Indica (vol.1, no.1 1974—)
Coden: ACIDBW ISSN 0379-5411
Acta Ciencia Indica Pragati Prakashan, Begum Bridge, Post Box No. 62, Meerut-250001, India

Acta Crystallogr. Sect. A (Denmark) (1968—)
Coden: ACACBN ISSN 0567-7394
Acta Crystallographica Section A: Crystal Physics, Diffraction, Theoretical and General Crystallography Title changed to: Acta Crystallogr. Sect. A (Denmark)

Acta Crystallogr. Sect. A (Denmark) (vol.39A, pt.2 1 March 1983—)
Coden: ACACEQ ISSN 0108-7673
Acta Crystallographica, Section A (Foundations of Crystallography) Formerly: Acta Crystallogr. Sect. A (Denmark)
Published for the International Union of Crystallography by Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK 1370 Kobenhavn K, Denmark

Acta Crystallogr. Sect. B (Denmark) (1968—)
Coden: ACBCAR ISSN 0567-7408
Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry Journal split into two parts: Acta Crystallogr. Sect. B (Denmark) and Acta Crystallogr. Sect. C (Denmark)

Acta Crystallogr. Sect. B (Denmark) (vol.39B, pt.2 1 April 1983—)
Coden: ASBSDK ISSN 0108-7681
Acta Crystallographica, Section B (Structural Science) Published for the International Union of Crystallography by Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK-1370 Kobenhavn K, Denmark. Supersedes in part: Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry

Acta Crystallogr. Sect. C (Denmark) (vol.C39, pt.1 15 Jan. 1983—)
Coden: ACSCEE ISSN 0108-2701
Acta Crystallographica, Section C (Crystal Structure Communications) Published for the International Union of Crystallography by Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK-1370 Kobenhavn K, Denmark. Supersedes in part: Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry

†**Acta Electron. (France)** (1968—)
Coden: ACELAZ ISSN 0001-558X
Acta Electronica 3 Avenue Descartes, BP 15, 94 450 Limeil-Brevannes, (Val-de-Marne), France

†**Acta Electron. Sin. (China)** (vol.11, no.6 Nov. 1983—)
Coden: TTHPAG ISSN 0372-2112
Acta Electronica Sinica Chinese Institute of Electronics, Beijing, People's Republic of China. Subscription address: Guozi Shudian, P.O.Box 2820, Beijing

Acta Fac. Rerum Nat. Univ. Comenianae Phys. (Czechoslovakia) (vol.18 1977—)
Coden: AFRNAP ISSN 0524-2355
Acta Facultatis Rerum Naturalium Universitatis Comenianae, Physica Title changed to: Acta Phys. Univ. Comenianae (Czechoslovakia)

Acta Geod. Geophys. & Montan. (Hungary) (vol.14, no.1-2 1979—)
Coden: AGGMB9 ISSN 0374-1842
Acta Geodaetica, Geophysica et Montanistica Akademiai Kiado, 1054 Budapest, Alkotmany utca 21, Hungary

Acta Geophys. Pol. (Poland) (vol.17, no.2 1969—)
Coden: AGPOAP ISSN 0001-5725
Acta Geophysica Polonica ARS Polona-Ruch, 00-068 Warszawa, Krakowskie Przedmiescie 7, P.O. Box 1001, Poland

Acta Geophys. Sin. (China) (vol.16 1973—)
Coden: TCWHAG ISSN 0001-5733
Acta Geophysica Sinica Institute of Geophysics, Academia Sinica, P.O. Box 928, Beijing, People's Republic of China [English translation in: *Acta Geophys. Sin. (USA)*]

Acta Geophys. Sin. (USA) (vol.16, no.1 Jan.-Dec. 1973—)
Coden: TCWHAG ISSN 0001-5733
Acta Geophysica Sinica [Translation of: *Acta Geophys. Sin. (China)*]
Plenum/China Program, 227 West 17th Street, New York, NY 10011, USA

†**Acta Inf. (Germany)** (vol.1, no.1 1971—)
Coden: AINFA2 ISSN 0001-5903
Acta Informatica Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Acta Manilana Ser. A (Philippines) (no.4(9) Dec. 1969—)
Coden: AMNIB6 ISSN 0065-1370
Acta Manilana. Series A University of Santo Tomas Research Centre, Manila D-403, Philippines

Acta Math. Appl. Sin. (China) (vol.1, no.1 1978—)
Coden: YYSPDS ISSN 0254-3079
Acta Mathematicae Applacatae Sinica Science Press, Peking, People's Republic of China. Subscription address: Guozi Shudian, P.O. Box 399, Peking

Acta Mech. (Austria) (1968—)
Coden: AMHCAP ISSN 0001-5970
Acta Mechanica Springer-Verlag, Molkerbastei 5, Postfach 367, A-1011 Wien, Austria

Acta Mech. Sin. (China) (no.1 1978—)
Coden: LHHPAE ISSN 0254-3060
Acta Mechanica Sinica Science Press, Peking, People's Republic of China. Subscription address: Guozi Shudian, P.O. Box 399, Peking

Acta Mech. Solida Sin. (China) (no.1 1980—)
Coden: KTLPD8 ISSN 0254-7805
Acta Mechanica Solida Sinica Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Acta Medicotech. (Germany) (vol.28, no.6 Dec. 1980—)
Coden: AAMED9 ISSN 0172-6099
Acta Medicotechnica Fischer & Pflaum Verlag GmbH, Lazarettstrasse 4, 8000 Munchen 19, Germany

†**Acta Metall. (USA)** (1968—)
Coden: AMETAR ISSN 0001-6160
Acta Metallurgica Box 1088 Schenectady, NY. Publisher: Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Acta Metall. Sin. (China) (vol.10, no.1 1974—)
Coden: CHSPA4 ISSN 0412-1961
Acta Metallurgica Sinica Chinese Metallurgical Society, Peking, People's Republic of China

Acta Meteorol. Sin. (China) (vol.39, no.1 Feb. 1981—)
Coden: CHIHAW ISSN 0577-6619
Acta Meteorologica Sinica Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Acta Mex. Cienc. & Tecnol. (Mexico) (vol.2, no.1 Jan.-April 1968—)
Coden: AMXCB4 ISSN 0567-7785
Acta Mexicana de Ciencia y Tecnologia Consejo Editorial Del Instituto Politecno Nacional. Prolongacion De Diaz Miron Y Plan De San Luis, Apartado Postal 42-161, Mexico 17, DF, Mexico

Acta Phys. Acad. Sci. Hung. (Hungary) (1968—)
Coden: APAHAQ ISSN 0001-6705
Acta Physica Academiae Scientiarum Hungaricae Title changed to: Acta Phys. Hung. (Hungary)

†**Acta Phys. Austriaca** (1968—)
Coden: APASAP ISSN 0001-6713
Acta Physica Austriaca Springer-Verlag, Molkerbastei 5, Postfach 367, A-1011 Wien, Austria

†**Acta Phys. Austriaca Suppl.** (no.23 1981—)
Coden: APAUAV ISSN 0065-1559
Acta Physica Austriaca Supplementum Issued with: *Acta Phys. Austriaca*

†**Acta Phys. Hung. (Hungary)** (vol.54, no.1-2 1983—)
Coden: APHUE2 ISSN 0231-4428
Acta Physica Hungarica Formerly: Acta Phys. Acad. Sci. Hung. (Hungary)
Akademiai Kiado, Publishing House of the Hungarian Academy of Sciences, H-1054 Budapest, Alkotmany U. 21, Hungary

Acta Phys. Pol. (Poland) (1968—)
Coden: APPOAK
Acta Physica Polonica Journal split into: Acta Phys. Pol. A (Poland) and Acta Phys. Pol. B. (Poland)

†**Acta Phys. Pol. A (Poland)** (vol.A37, no.1 Jan. 1970—)
Coden: ATPLB6 ISSN 0587-4246
Acta Physica Polonica A Polska Akademia Nauk, Editorial address, Reymonta 4, 30-059 Krakow, Poland. Supersedes in part: Acta Phys. Pol. (Poland)

†**Acta Phys. Pol. B (Poland)** (1968—)
Coden: APOBBB ISSN 0587-4254
Acta Physica Polonica B Polska Akademia Nauk, Editorial address, Reymonta 4, 30-059 Krakow, Poland. Supersedes in part: Acta Phys. Pol. (Poland)

†**Acta Phys. Sin. (China)** (vol.23, no.1 Jan. 1974—)
Coden: WLHPAR ISSN 0372-736X
Acta Physica Sinica Chinese Academy of Sciences, Institute of Physics, Beijing, Peoples Republic of China [English translation in: *Chin. J. Phys. (USA)*]

Acta Phys. Slovaca (Czechoslovakia) (vol.23, no.1 1973—)
Coden: APSVCO ISSN 0323-0465
Acta Physica Slovaca Formerly: Fyz. Cas. (Czechoslovakia)
VEDA Publishing House of the Slovak Academy of Sciences, 89530 Bratislava, Klemensova 19, Czechoslovakia

Acta Phys. Temp. Humilis Sin. (China) (vol.3, no.1 March 1981—)
Coden: TWWLDZ ISSN 0253-3634
Acta Physica Temperaturae Humilis Sinica Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Acta Phys. Univ. Comenianae (Czechoslovakia) (vol.23 1983—)
Coden: APUCED
Acta Physica Universitatis Comenianae Formerly: Acta Fac. Rerum Nat. Univ. Comenianae Phys. (Czechoslovakia)
Ustredna Kniznica PvFUK, 886 11 Bratislava, ul. 29 Augusta c.5, Czechoslovakia

Acta Physiol. Pol. (Poland) (vol.24, no.1 Jan.-Feb. 1973—)
Coden: APYPAY ISSN 0044-6033
Acta Physiologica Polonica Panstwowy Zaklad Wydawnictw Lekarskich, 00-730 Warszawa, Jazgarzewska 17, Poland

Acta Politec. Mex. (Mexico) (vol.11, no.53 July-Sept. 1970—)
Coden: APTMAY ISSN 0515-3085
Acta Politecnica Mexicana Instituto Politecnico Nacional, Apartado Postal 42-161, Mexico 17 D.F, Mexico

†**Acta Polytech. Ceske Vys. Uceni Tech. v Pr. III (Czechoslovakia)** (no.1 1968—)
Coden: APTECC
Acta Polytechnica Ceske Vysoke Uceni Technicke v Prace III Elektrotechnicka fakulta CVUT v Prace, Technicka ul. 2, Praha 2, Horska 4, Czechoslovakia

Acta Polytech. Scand. (Finland) (1968—)
Coden: APYEAZ
Acta Polytechnica Scandinavica Journal split into five sections: Acta Polytech. Scand. Chem. incl. Metall. Ser. (Finland), Acta Polytech. Scand. Electr. Eng. Ser. (Finland), Acta Polytech. Scand. Math. & Comput. Sci. Ser. (Finland), Acta Polytech. Scand. Mech. Eng. Ser. (Finland) and Acta Polytech. Scand. Appl. Phys. Ser. (Finland)

Acta Polytech. Scand. Appl. Phys. Ser. (Finland) (no.Ph128 1981—)
Coden: APSSDG ISSN 0355-2721
Acta Polytechnica Scandinavica, Applied Physics Series Finnish Academy of Technical Sciences, Kansakoulukatu 10 A, 00100 Helsinki 10, Finland. Supersedes in part: Acta Polytech. Scand. (Finland)

Acta Polytech. Scand. Chem. incl. Metall. Ser. (Finland) (no. Ch 142 1980—)
Coden: ASCMA4 ISSN 0001-6853
Acta Polytechnica Scandinavica, Chemistry including Metallurgy Series Title changed to: Acta Polytech. Scand. Chem. Technol. & Metall. Ser. (Finland)

Acta Polytech. Scand. Chem. Technol. & Metall. Ser. (Finland) (no.Ch156 1984—)
Coden: APSSEH ISSN 0781-2698
Acta Polytechnica Scandinavica, Chemical Technology and Metallurgy Series Formerly: Acta Polytech. Scand. Chem. incl. Metall. Ser. (Finland)
Finnish Academy of Technical Sciences, Kansakoulukatu 10 A, 00100 Helsinki 10, Finland

†**Acta Polytech. Scand. Electr. Eng. Ser. (Finland)** (no.El 43 1980—)
Coden: APSEA5 ISSN 0001-6845
Acta Polytechnica Scandinavica, Electrical Engineering Series Finnish Academy of Technical Sciences, Kansakoulukatu 10 A, 00100 Helsinki 10, Finland. Supersedes in part: Acta Polytech. Scand. (Finland)

Acta Polytech. Scand. Math. & Comput. Sci. Ser. (Finland) (no.Ma33 1981—)
Coden: ASMSD7 ISSN 0355-2713
Acta Polytechnica Scandinavica, Mathematics and Computer Science Series Finnish Academy of Technical Sciences, Kansakoulukatu 10 A, 00100 Helsinki 10, Finland. Supersedes in part: Acta Polytech. Scand. (Finland)

Acta Polytech. Scand. Mech. Eng. Ser. (Finland) (no.Me 78 1980—)
Coden: APMNA2 ISSN 0001-687X
Acta Polytechnica Scandinavica, Mechanical Engineering Series Finnish Academy of Technical Sciences, Kansakoulukatu 10 A, 00100 Helsinki 10, Finland. Supersedes in part: Acta Polytech. Scand. (Finland)

Acta Radiol. Diagn. (Sweden) (vol.21, no.5 1980—)
Coden: ACRDA8 ISSN 0567-8056
Acta Radiologica, Diagnosis P.O.Box 7449, S-103 91 Stockholm, Sweden

Acta Radiol. Oncol. (Sweden) (vol.23, no.1 1984—)
Coden: AROBDR ISSN 0349-652X
Acta Radiologica, Oncology Formerly: Acta Radiol. Oncol. Radiat. Therapy Phys. & Biol. (Sweden)
P.O.Box 7449, S-103 91 Stockholm, Sweden

Acta Radiol. Oncol. Radiat. Phys. Biol. (Sweden) (vol.17, no.1 1978—)
Coden: ARONDT ISSN 0348-5196
Acta Radiologica, Oncology Radiation Physics Biology Formerly: Acta Radiol. Ther. Phys. Biol. (Sweden) Title changed to: Acta Radiol. Oncol. Radiat. Therapy Phys. & Biol. (Sweden)

Acta Radiol. Oncol. Radiat. Therapy Phys. & Biol. (Sweden) (vol.19, no.2 1980—)
Coden: AROBDR ISSN 0349-652X
Acta Radiologica, Oncology, Radiation Therapy, Physics and Biology Formerly: Acta Radiol. Oncol. Radiat. Phys. Biol. (Sweden) Title changed to: Acta Radiol. Oncol. (Sweden)

Acta Radiol. Ther. Phys. Biol. (Sweden) (vol.12, no.3 June 1973—)
Coden: ATHBA3
Acta Radiologica: Therapy Physics Biology Title changed to: Acta Radiol. Oncol. Radiat. Phys. Biol. (Sweden)

Acta Sci. Nat. Univ. Amoiensis
See: J. Xiamen Univ. (Nat. Sci.) (China)

Acta Sci. Nat. Univ. Pekin. (China) (no.1 March 1978—)
Coden: PCTHAP ISSN 0479-8023
Acta Scientiarum Naturalium Universitatis Pekinensis Peking, People's Republic of China

Acta Sci. Nat. Univ. Sunyatseni (Zhongshandaxue Xuebao) (China) (no.1 1978—)
Coden: CHTHAJ
Acta Scientiarum Naturalium Universitatis Sunyatseni (Zhongshandaxue Xuebao) Canton Post Office, Canton, People's Republic of China

Acta Seismol. Sin. (China) (vol.1, no.1 Aug. 1979—)
Coden: ASSID7 ISSN 0253-3782
Acta Seismologica Sinica Subscription address: Guozi Shudian, P.O. Box 399, Beijing, People's Republic of China

Acta Tech. Acad. Sci. Hung. (Hungary) (1968—)
Coden: ATSHA8 ISSN 0001-7035
Acta Technica Academiae Scientiarum Hungaricae Akademiai Kiado, Budapest 1363, P.O. Box 24, Hungary

Acta Tech. CSAV (Czechoslovakia) (1968—)
Coden: ATCVA4 ISSN 0001-7043
Acta Technica CSAV Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia. John Benjamins N.V., Periodical Trade, Warmoesstraat 54, Amsterdam, Netherlands

Acta Univ. Szeged. Acta Phys. & Chem. (Hungary) (1968—)
Coden: AUSHAF ISSN 0324-6523
Acta Universitatis Szegediensis, Acta Physica et Chemica Jozef Attila Tudomanyegyetem Termeszettudomany Kara, Szeged, Aradi Vertanuk Tere 1, Hungary

Acta Univ. Wratislav. Mat. Fiz. Astron. (Poland) (vol.37, no.561 1980—)
Coden: AWMFAR ISSN 0084-2966
Acta Universitatis Wratislaviensis, Matematyka Fizyka Astronomia Wydawnictwa Uniwersytetu Wroclawskiego, Wroclaw, Poland

†**Acustica (Germany)** (1968—)
Coden: ACUSAY ISSN 0001-7884
Acustica S. Hirzel Verlag, Postfach 347, 7 Stuttgart 1, Germany

Acute Care (Switzerland) (vol.10, no.1 1983-1984—)
Coden: ACUCDN ISSN 0254-0819
Acute Care Formerly: Biotelem. & Patient Monit. (Switzerland)
S. Karger AG, Postfach, CH-4009 Basel, Switzerland

ADL-Nachr. (Germany) (vol.13, no.53 July-Sept. 1968—)
Coden: ADLNAF
ADL-Nachrichten Title changed to: Online-ADL-Nachr. (Germany)

Adm. Manage. (USA) (vol.43, no.6 June 1982—)
Coden: ADMAAF ISSN 0001-8376
Administrative Management Merged with Word Process. & Inf. Syst. (USA) to form Off. Adm. & Autom. (USA)

Adv. Appl. Probab. (GB) (vol.1, no.1 Spring 1969—)
Coden: AAPBBD ISSN 0001-8678
Advances in Applied Probability University of Sheffield, Department of Probability and Statistics, Sheffield, S3 7RH, England

Adv. Colloid & Interface Sci. (Netherlands) (vol.4, no.1 Feb. 1974—)
Coden: ACISB9 ISSN 0001-8686
Advances in Colloid and Interface Science Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Adv. Earth & Planet. Sci. (Japan) (vol.9 1980—)
Coden: AEPSDQ
Advances in Earth and Planetary Sciences Issued with: *J. Geomagn. & Geoelectr. (Japan)*

Adv. Earth Oriented Appl. Space Technol. (GB) (vol.1, no.1 1981—)
Coden: AEOTDO ISSN 0191-538X
Advances in Earth Oriented Applications of Space Technology Title changed to: Earth-Oriented Appl. Space Technol. (GB)

Adv. Energy Convers. (GB) (1968—)
Coden: AECVAZ
Advanced Energy Conversion Title changed to: Energy Convers. (GB)

†**Adv. Eng. Software (GB)** (vol.1, no.4 Sept. 1979—)
Coden: AESODT ISSN 0141-1195
Advances in Engineering Software CML Publications, 125 High Street, Southampton SO1 0AA, England

Adv. Mol. Relaxation & Interaction Processes (Netherlands) (vol.10, no.3 July 1977—)
Coden: AMRPDF ISSN 0378-4487
Advances in Molecular Relaxation and Interaction Processes Formerly: Adv. Mol. Relaxation Processes (Netherlands) Title changed to: J. Mol. Liq. (Netherlands)

Adv. Mol. Relaxation Processes (Netherlands) (vol.5, no.1-3 Oct. 1973—)
Coden: AMRPBD
Advances in Molecular Relaxation Processes Title changed to: Adv. Mol. Relaxation & Interaction Processes (Netherlands)

†**Adv. Phys. (GB)** (1968—)
Coden: ADPHAH ISSN 0001-8732
Advances in Physics Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Adv. Space Res. (GB) (vol.2, no.1 1982—)
Coden: ASRSDW ISSN 0273-1177
Advances in Space Research Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**AEDS J. (USA)** (vol.5, no.3 March 1972—)
Coden: AEDSAV ISSN 0001-1037
AEDS Journal Association for Educational Data Systems, 1201 16th Street, N.W., Washington, DC 20036, USA

AEDS Monit. (USA) (vol.9, no.8 March 1971—)
Coden: AEDMAD ISSN 0001-1045
AEDS Monitor Association for Educational Data Systems, 1201 16th Street, N.W., Washington, DC 20036, USA

Aeronaut. & Astronaut. (France) (no.29 1971—)
Coden: AENABS ISSN 0001-9275
L'Aeronautique et l'Astronautique Editions Air et Cosmos, 6 Rue Anatole de la Forge, 75017 Paris, France

Aeronaut. J. (GB) (1968—)
Coden: AENJAK ISSN 0001-9240
Aeronautical Journal Royal Aeronautical Society, 4 Hamilton Place, London W1V 0BQ, England

Aeronaut. Q. (GB) (vol.14, pt.4 Nov. 1968—)
Coden: AEQUAY ISSN 0001-9259
Aeronautical Quarterly Royal Aeronautical Society, 4 Hamilton Place, London W1V 0BQ, England

Aerosol Sci. & Technol. (USA) (vol.2, no.1 1983—)
Coden: ASTYDQ ISSN 0278-6826
Aerosol Science and Technology Elsevier Science Publishing Co. Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Aerosp. & Def. Rev. (GB) (no.39 Feb. 1980—)
Coden: ADERDT ISSN 0263-8150
Aerospace and Defence Review Formerly: Aviat. Rev. (GB)
Smiths Industries Aerospace & Defence Systems Co., Cricklewood, London NW2 6JN, England

AEU (Japan) (vol.6, no.1 1973—)
Coden: AEUNAX ISSN 0385-0447
AEU (Journal of Asia Electronics Union) Formerly: JAEU (Japan)
Dempa Publications Inc., 11-15 Higashi Gotanda 1-chome, Shinagawa-ku, Tokyo 141, Japan

Agora Inf. Changing World (Italy) (no.1 Jan.-March 1982—)
Coden: AGORDW ISSN 0392-8306
Agora, Informatics in a Changing World Intergovernmental Bureau for Informatics, 23 Viale Civita del Lavoro, P.O.Box 10253, 00144 Rome, Italy

AIAA J. (USA) (1968—)
Coden: AIAJAH ISSN 0001-1452
AIAA Journal American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10019, USA

AIChE J. (USA) (1968—)
Coden: AICEAC ISSN 0001-1541
A.I.Ch.E. Journal American Institute of Chemical Engineers, 345 East 47th Street, New York, NY 10017, USA

Aichi Inst. Technol. Bull.
See: Bull. Aichi Inst. Technol. (Japan)

Aichi Kogyo Daigaku Kenkyu Hokoku
See: Bull. Aichi Inst. Technol. (Japan)

AIIE Trans. (USA) (vol.5, no.2 June 1973—)
Coden: AIITAJ ISSN 0569-5554
AIIE Transactions Title changed to: IIE Trans. (USA)

†**AIP Conf. Proc. (USA)** (no.1 1970—)
Coden: APCPCS ISSN 0094-243X
AIP Conference Proceedings American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Air Pollut. Control Assoc. J.
See: J. Air Pollut. Control Assoc. (USA)

Aircr. Eng. (GB) (vol.43, no.9 Sept. 1971—)
Coden: AIENAF ISSN 0002-2667
Aircraft Engineering Bunhill Publications Ltd., 127 Stanstead Road, London, SE23 1JE, England

Akron Bus. & Econ. Rev. (USA) (vol.12, no.3 Fall 1981—)
Coden: ABERDF ISSN 0044-7048
Akron Business and Economic Review University of Akron, Leigh Hall, 302 E. Buchtel Avenue, Akron, OH 44325, USA

Aktual. Probl. Inf. & Dok. (Poland) (vol.14, no.5 Sept.-Oct. 1969—)
Coden: APDKAG ISSN 0002-3787
Aktualne Problemy Informacji i Dokumentacji Centrum Informacji Naukowej, Techniczej I Ekonomicznej, 00-950 Warszawa, Al Niepodleglosci 188b, Poland

†**Akust. Zh. (USSR)** (1968—)
Coden: AKZHAE ISSN 0320-7919
Akusticheskii Zhurnal Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Sov. Phys.-Acoust. [USA]*]

Alarm (Yugoslavia) (vol.2, no.1-2 1983—)
Coden: ALRMDX ISSN 0351-6970
Alarm Association of Electrical Engineers and Technicians of Croatia, Committee of Technical Security, Zagreb, Berislaviceva 6, Yugoslavia

Albiswerk-Ber. (Switzerland) (vol.19, no.2 Nov. 1967—)
Coden: ALBEBT
Albiswerk-Berichte Title changed to: Siemens-Albis Ber. (Switzerland)

Alfaatih Univ. Bull. Fac. Eng. (Libya) (vol.2 1976—)
Coden: BFEUDT
Alfaatih University Bulletin of the Faculty of Engineering P.O. Box 1098, Tripoli, Libya

ALGOL Bull. (GB) (no.29 Nov. 1968—)
Coden: ALGOBG ISSN 0084-6198
ALGOL Bulletin Editorial address: Department of Computer Science, University of Manchester, Manchester M13 9PL, England

Alkalmazott Mat. Lapok (Hungary) (vol.1, no.1-2 1975—)
Coden: AMLAD8 ISSN 0133-3399
Alkalmazott Matematikai Lapok Akademiai Kiado, 1055 Budapest V, Alkotmany Utca 21, Hungary

† indicates a journal abstracted completely

ALLC Bull. (GB) (vol.9, no.1 1981—)
Coden: ALLCB5 ISSN 0305-9855
ALLC Bulletin Formerly: Assoc. Lit. & Linguist. Comput. Bull. (GB) Association for Literary and Linguistic Computing. Subscription address: Dr. J.L. Dawson, Literary and Linguistic Computing Centre, Sidgwick Site, Cambridge CB3 9DA, England

†ALLC J. (GB) (vol.1, no.1 Summer 1980—)
Coden: AJOUDS ISSN 0143-3385
ALLC Journal Association for Library and Linguistic Computing. Editorial address: Dr. Rex Last, Department of German, University of Hull, Hull HU6 7RX, England

Allm. Sven. Elektr. AB J.
See: ASEA J. (Sweden)

†Alta Freq. (Italy) (1968—)
Coden: ALFRAJ ISSN 0002-6557
Alta Frequenza Ufficio Centrale AEI-CEI, Viale Monza 259, 20126 Milano, Italy

Alternative Sources Energy (USA) (no.42 March-April 1980—)
Coden: ASENDK ISSN 0146-1001
Alternative Sources of Energy Alternative Sources of Energy Inc., 107 South Central Avenue, Milaca, NY 56353, USA

Alvey News (GB) (no.1 Sept. 1983—)
Coden: ALNEEO ISSN 0266-1659
Alvey News Published for the Alvey Directorate by the Institution of Electrical Engineers, Savoy Place, London WC2R 0BL, England

Am. Assoc. Variable Star Obs. Bull.
See: Bull. Am. Assoc. Variable Star Obs. (USA)

Am. Assoc. Variable Star Obs. Circ.
See: AAVSO Circ. (USA)

Am. Assoc. Variable Star Obs. J.
See: J. Am. Assoc. Variable Star Obs. (USA)

Am. Astron. Soc. Bull.
See: Bull. Am. Astron. Soc. (USA)

Am. Astron. Soc. Photo-Bull.
See: AAS Photo-Bull. (USA)

Am. Bankers Assoc. Banking J.
See: ABA Banking J. (USA)

Am. Ceram. Soc. Bull. (USA) (1968—)
Coden: ACSBA7 ISSN 0002-7812
American Ceramic Society Bulletin 65 Ceramic Drive, Columbus, OH 43214, USA

Am. Ceram. Soc. J.
See: J. Am. Ceram. Soc. (USA)

Am. Chem. Soc. J.
See: J. Am. Chem. Soc. (USA)

Am. Doc. (USA) (1968—)
Coden: AMDOA7
American Documentation Title changed to: J. Am. Soc. Inf. Sci. (USA)

Am. Inst. Aeronaut. & Astronaut. J.
See: AIAA J. (USA)

Am. Inst. Chem. Eng. J.
See: AIChE J. (USA)

Am. Inst. Phys. Conf. Proc.
See: AIP Conf. Proc. (USA)

Am. J. Comput. Ling. (USA) (vol.7, no.1 Jan.-March 1981—)
Coden: AJCLD9 ISSN 0362-613X
American Journal of Computational Linguistics Association for Computational Linguistics. Secretary-Treasurer, D.E. Walker, SRI International, 333 Ravenswood Avenue, Menlo Park, CA 94025, USA. Editorial address: G.E. Heidorn, IBM Thomas J. Watson Research Center, P.O.Box 218, Yorktown Hights, NY 10598

Am. J. EEG Technol. (USA) (vol.11, no.3 Sept. 1971—)
Coden: AJETA6 ISSN 0002-9238
American Journal of EEG Technology American Society of EEG Technologists Inc., Sixth at Quint, Carroll, IA 51401, USA

Am. J. Optom. & Arch. Am. Acad. Optom. (USA) (vol.47, no.10 Oct. 1970—)
Coden: AJOAAX
American Journal of Optometry and Archives of American Academy of Optometry Title changed to: Am. J. Optom. & Physiol. Opt. (USA)

Am. J. Optom. & Physiol. Opt. (USA) (vol.51, no.1 Jan. 1974—)
Coden: AOPOCF ISSN 0093-7002
American Journal of Optometry and Physiological Optics Formerly: Am. J. Optom. & Arch. Am. Acad. Optom. (USA)
Williams & Wilkins Co., 428 East Preston Street, Baltimore, MD 21202, USA

†Am. J. Phys. (USA) (1968—)
Coden: AJPIAS ISSN 0002-9505
American Journal of Physics Published for the American Association of Physics Teachers by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Am. J. Phys. Med. (USA) (vol.52, no.4 Aug. 1973—)
Coden: AJPBA7 ISSN 0002-9491
American Journal of Physical Medicine Williams and Wilkins Co., 428 East Preston Street, Baltimore, MD 21202, USA

Am. J. Sci. (USA) (vol.272, no.1 Jan. 1972—)
Coden: AJSCAP ISSN 0002-9599
American Journal of Science Kline Geology Laboratory, Yale University, Box 2161, New Haven, CT 06520, USA

Am. J. Small Bus. (USA) (vol.6, no.3 Jan.-March 1982—)
Coden: AJSBDP ISSN 0363-9428
American Journal of Small Business University of Baltimore, 1420 North Charles Street, Baltimore, MD 21201, USA

Am. Lab. (USA) (vol.6, no.1 Jan. 1974—)
Coden: ALBYBL ISSN 0044-7749
American Laboratory International Scientific Communications Inc., 808 Kings Highway Fairfield, CT 06430, USA

Am. Meteorol. Soc. Bull.
See: Bull. Am. Meteorol. Soc. (USA)

Am. Mineral. (USA) (vol.56 July-Aug. 1971—)
Coden: AMMIAY ISSN 0003-004X
American Mineralogist Mineralogical Society of America, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Am. Nucl. Soc. Trans.
See: Trans. Am. Nucl. Soc. (USA)

Am. Sci. (USA) (vol.58, no.3 May-June 1970—)
Coden: AMSCAC ISSN 0003-0996
American Scientist Society of Sigma XI, 345 Whitney Avenue, New Haven, CT 06510, USA

Am. Soc. Inf. Sci. Bull.
See: Bull. Am. Soc. Inf. Sci. (USA)

Am. Soc. Inf. Sci. J.
See: J. Am. Soc. Inf. Sci. (USA)

Am. Soc. Lubr. Eng. Trans.
See: ASLE Trans. (USA)

Am. Soc. Mech. Eng. Trans. J. Appl. Mech.
See: Trans. ASME. J. Appl. Mech. (USA)

Am. Soc. Mech. Eng. Trans. J. Biomech. Eng.
See: Trans. ASME. J. Biomech. Eng. (USA)

Am. Soc. Mech. Eng. Trans. J. Dyn. Syst. Meas. & Control
See: Trans. ASME. J. Dyn. Syst. Meas. & Control (USA)

Am. Soc. Mech. Eng. Trans. J. Energy Resour. Technol.
See: Trans. ASME. J. Energy Resour. Technol. (USA)

Am. Soc. Mech. Eng. Trans. J. Eng. Ind.
See: Trans. ASME. J. Eng. Ind. (USA)

Am. Soc. Mech. Eng. Trans. J. Eng. Mater. & Technol.
See: Trans. ASME. J. Eng. Mater. & Technol. (USA)

Am. Soc. Mech. Eng. Trans. J. Eng. Power
See: Trans. ASME. J. Eng. Power (USA)

Am. Soc. Mech. Eng. Trans. J. Fluids Eng.
See: Trans. ASME. J. Fluids Eng. (USA)

Am. Soc. Mech. Eng. Trans. J. Gas Turbines & Power
See: Trans. ASME. J. Eng. Gas Turbines & Power (USA)

Am. Soc. Mech. Eng. Trans. J. Heat Transfer
See: Trans. ASME. J. Heat Transfer (USA)

Am. Soc. Mech. Eng. Trans. J. Lubr. Technol.
See: Trans. ASME. J. Lubr. Technol. (USA)

Am. Soc. Mech. Eng. Trans. J. Mech. Des.
See: Trans. ASME. J. Mech. Des. (USA)

Am. Soc. Mech. Eng. Trans. J. Pressure Vessel Technol.
See: Trans. ASME. J. Pressure Vessel Technol. (USA)

Am. Soc. Mech. Eng. Trans. J. Sol. Energy Eng.
See: Trans. ASME. J. Sol. Energy Eng. (USA)

Am. Soc. Test. & Mater. Stand. News
See: ASTM Stand. News (USA)

AMR (Germany) (no.5-6 June 1975—)
Coden: AMRTAO
AMR Formerly: Angew. Elektron. Mess & Regeltech. (Germany) Title changed to: Process Eng. (Germany)

An. Acad. Bras. Cienc. (Brazil) (1968—)
Coden: AABCAD ISSN 0001-3765
Anais da Academia Brasileira de Ciencias Caixa Postal 229, ZC-00 Rio de Janeiro gb, Brazil

An. Fis. (Spain) (vol.66, no.7-8 July-Aug. 1970—)
Coden: ANFIA6
Anales de Fisica Formerly: An. R. Soc. Esp. Fis. & Quim. A (Spain). Journal now split into two parts: An. Fis. Ser. A (Spain) and An. Fis. Ser. B (Spain)

An. Fis. Ser. A (Spain) (vol.77, no.1 Jan.-April 1981—)
Coden: AFAIDU ISSN 0211-6243
Anales de Fisica, Serie A (Fenomenos e Interacciones) Real Sociedad Espanola de Fisica, Facultades de Ciencias, Ciudad Universitaria, Madrid 3, Spain. Supersedes in part: An. Fis. (Spain)

An. Fis. Ser. B (Spain) (vol.77, no.1 Jan.-April 1981—)
Coden: AFBIDZ ISSN 0211-6251
Anales de Fisica, Serie B (Aplicaciones, Metodos e Instrumentos) Real Sociedad Espanola de Fisica, Facultades de Ciencias, Ciudad Universitaria, Madrid 3, Spain. Supersedes in part: An. Fis. (Spain)

An. Mec. & Electr. (Spain) (1968—)
Coden: AMEMA6 ISSN 0003-2506
Anales de Mecanica y Electricidad Reina 31, Madrid-4, Spain

An. R. Soc. Esp. Fis. & Quim. A (Spain) (1968—)
Coden: ARSEAJ
Anales de la Real Sociedad Espanola de Fisica y Quimica. Serie A (Fisica) Title changed to: An. Fis. (Spain)

An. Stiint. Univ. 'Al.I.Cuza' Iasi (Ser. Noua) Sect. IB (Rumania) (1968—)
Coden: AUZFAA ISSN 0041-9141
Analele Stiintifice ale Universitatu 'Al.I. Cuza' din Iasi (Serie Noua) Sectiunea IB Fizica Calea 23 August, Iasi, Rumania

†An. Univ. Bucuresti Fiz. (Rumania) (vol.27 1978—)
Coden: ABFZA7 ISSN 0068-3108
Analele Universitatii Bucuresti Fizica Biblioteca Centrala Universitara, Serviciul Schimb de Publicatii, Bucuresti, Str. Onesti 1, Rumania

An. Univ. Bucuresti Ser. Mat. (Rumania) (vol.30 1981—)
Coden: AUBMDG
Analele Universitatii Bucuresti, Seria Matematica Biblioteca Centrala Universitara, Serviciul Schimb de Publicatii, Bucuresti, Str. Onesti 1, Rumania

Anal. Chem. (USA) (1968—)
Coden: ANCHAM ISSN 0003-2700
Analytical Chemistry American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Anal. Instrum. (USA) (vol.13, no.1 1984—)
Coden: ANINE6 ISSN 0743-5797
Analytical Instrumentation Formerly: Chem. Biomed. & Environ. Instrum. (USA)
Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Anal. Math. (Hungary) (vol.3, no.1 1977—)
Coden: ANMADK ISSN 0133-3852
Analysis Matematica Kultura, Hungarian Trading Co., H-1389 Budapest 62, P.O. Box 149, Hungary

Analog Dialogue (USA) (vol.9, no.1 1975—)
Coden: ANDIDX ISSN 0161-3626
Analog Dialogue P.O. Box 280, Norwood, MA 02062, USA

Angew. Elektron. (Germany) (no.7-8 1974—)
Coden: AEMRC7
Angewandte Elektronik Title changed to: Angew. Elektron. Mess & Regeltech. (Germany)

Angew. Elektron. Mess & Regeltech. (Germany) (no.9 1971—)
Coden: AEMRC7
Angewandte Elektronik Mess & Regeltechnik Formerly: Angew. Elektron. (Germany) Title changed to: AMR (Germany)

†**Angew. Inf. (Germany)** (vol.13, no.1 Jan. 1971—)
Coden: AWIFA7 ISSN 0013-5704
Angewandte Informatik (Applied Informatics) Formerly: Elektron. Datenverarb. (Germany)
Friedr. Vieweg & Sohn Verlagsgesellschaft mbH, 6200 Wiesbaden, Gustav-Stresemann-Ring 12-16, Germany

Ann. Acad. Sci. Fenn. Ser. AI (Finland) (1968—)
Coden: AAFMAT ISSN 0066-1953
Annales Academiae Scientiarum Fennicae, Series AI (Mathematica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Acad. Sci. Fenn. Ser. AII (Finland) (1968—)
Coden: AAFCAX ISSN 0066-1961
Annales Academiae Scientiarum Fennicae, Series AII (Chemica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Acad. Sci. Fenn. Ser. AVI (Finland) (1968—)
Coden: AAFPA4 ISSN 0066-2003
Annales Academiae Scientiarum Fennicae, Series AVI (Physica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Assoc. Int. Calcul Analogique (Belgium) (1968—)
Coden: AAICAE
Annales de l'Association Internationale pour le Calcul Analogique Title changed to: Trans. Int. Assoc. Math. & Comput. Simulation (Belgium)

Ann. Biomed. Eng. (USA) (vol.2, no.4 Dec. 1974—)
Coden: ABMECF ISSN 0090-6964
Annals of Biomedical Engineering Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Ann. Fac. Sci. Toulouse Math. (France) (vol.2, ser.5, no.3-4 1980—)
Coden: AFSMDU ISSN 0240-2955
Annales de la Faculte des Sciences de Toulouse, Mathematiques Universite Paul Sabatier, 31077 Toulouse Cedex, France

Ann. Fond. Louis de Broglie (France) (vol.6, no.1 1981—)
Coden: AFLBDU ISSN 0182-4295
Annales de la Fondation Louis de Broglie 1 rue Montgolfier, 75003 Paris, France

Ann. Fr. Microtech. & Chronom. (France) (vol.36, no.1 1982—)
Coden: AFMCE5 ISSN 0221-0665
Annales Francaises des Microtechniques et de Chronometrie Societe Francaise des Microtechniques et de Chronometrie, 41 bis Avenue de l'Observatoire, F 25044 Besancon Cedex, France

Ann. Geofis. (Italy) (1968—)
Coden: AGFRAI ISSN 0365-2556
Annali di Geofisica Merged with Annales de Geophysique to form Annales Geophysicae

Ann. Geophys. (France) (1968—)
Coden: AGEPA7 ISSN 0003-4029
Annales de Geophysique Merged with Annali di Geofisica to form Annales Geophysicae

Ann. Geophys. (France) (vol.1, no.1 Jan.-Feb. 1983—)
Coden: ANGED2 ISSN 0755-0685
Annales Geophysicae Published for the European Geophysical Society by Gauthier-Villars. Subscription address: C.D.R. Centrale des Revues, 11 rue Gossin, F-92543 Montrouge Cedex, France. Formed by merger of Annali di Geofisica and Annales de Geophysique

Ann. Glaciol. (GB) (vol.1 1980—)
Coden: ANGLDN ISSN 0260-3055
Annals of Glaciology International Glaciological Society, Cambridge CB2 1ER, England

Ann. Hist. Comput. (USA) (vol.6, no.1 Jan. 1984—)
Coden: AHCOD4 ISSN 0164-1239
Annals of the History of Computing American Federation of Information Processing Societies Inc., 1899 Preston White Drive, Reston, VA 22091, USA

Ann. Inst. Henri Poincare Phys. Theor. (France) (vol.40, no.2 1984—)
Coden: AIPTEO ISSN 0246-0211
Annales de l'Institut Henri Poincare Physique Theorique Formerly: Ann. Inst. Henri Poincare Sect. A (France)
Gauthier-Villars, C.D.R., Centrale des Revues, 11 rue Gossin, 92543 Montrouge Cedex, France

Ann. Inst. Henri Poincare Sect. A (France) (1968—)
Coden: AHPAAO ISSN 0020-2339
Annales de l'Institut Henri Poincare, Section A (Physique Theorique) Title changed to: Ann. Inst. Henri Poincare Phys. Theor. (France)

Ann. Inst. Henri Poincare Sect. B (France) (1968—)
Coden: AHPBAR ISSN 0020-2347
Annales de l'Institut Henri Poincare, Section B (Calcul des Probabilities et Statistique) 11 Rue Pierre-Curie, Paris 5, France

Ann. Isr. Phys. Soc. (Israel) (vol.3 1980—)
Coden: AIPSDK ISSN 0309-8710
Annals of the Israel Physical Society c/o Department of Physics, Bar-Ilan University, Ramat-Gan, Israel. Adam Hilger Ltd., Techno House, Recliffe Way, Bristol BS1 6NX England

Ann. Ist. Super. Sanita (Italy) (vol.16, no.2 1980—)
Coden: AISSAW ISSN 0021-2571
Annali dell'Istituto Superiore di Sanita Viale Regina Elena 299, Roma, Italy

Ann. Math. Logic (Netherlands) (vol.21, no.1 Oct. 1981—)
Coden: AMLOAD ISSN 0003-4843
Annals of Mathematical Logic Title changed to: Ann. Pure & Appl. Logic (Netherlands)

Ann. Nucl. Energy (GB) (vol.2, no.1 Jan. 1975—)
Coden: ANENDJ ISSN 0306-4549
Annals of Nuclear Energy Formerly: Ann. Nucl. Sci. & Eng. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Ann. Nucl. Sci. & Eng. (GB) (vol.1, no.1 Jan. 1974—)
Coden: ANSECR
Annals of Nuclear Science and Engineering Formerly: J. Nucl. Energy (GB) Title changed to: Ann. Nucl. Energy (GB)

†**Ann. Phys. (France)** (1968—)
Coden: ANPHAJ ISSN 0003-4169
Annales de Physique Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

†**Ann. Phys. (Germany)** (1968—)
Coden: ANPYA2 ISSN 0003-3804
Annalen der Physik J.A.Barth, Salomonstrasse 18B, Leipzig 701, Germany

†**Ann. Phys. (USA)** (1968—)
Coden: APNYA6 ISSN 0003-4916
Annals of Physics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Ann. Pure & Appl. Logic (Netherlands) (vol.24, no.1 July 1983—)
Coden: APALD7 ISSN 0168-0072
Annals of Pure and Applied Logic Formerly: Ann. Math. Logic (Netherlands)
Elsevier Science Publishers B.V. (North-Holland), P.O.Box 1991, 1000 BZ Amsterdam, Netherlands

Ann. Sci. (GB) (vol.28, no.1 Feb. 1972—)
Coden: ANNSA8 ISSN 0003-3790
Annals of Science Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

†**Ann. Soc. Math. Pol. Ser. IV: Fundam. Inf. (Poland)** (vol.1, no.3 1978—)
Coden: FUMAAJ ISSN 0324-8429
Annales Societatis Mathematicae Polonae, Series IV: Fundamenta Informaticae Osrodek Rozpowszechiania Wydawnictw Naukowych PAN, 00-901 Warszawa, Palac Kultury i Nauki, Poland

Ann. Soc. Sci. Bruxelles Ser. I (Belgium) (1968—)
Coden: ASSBAH ISSN 0037-959X
Annales de la Societe Scientifique de Bruxelles, Serie I, Sciences Mathematiques, Astronomiques et Physiques Rue de Bruxelles 61, B5000 Namur, Belgium

†**Ann. Telecommun. (France)** (1968—)
Coden: ANTEAU ISSN 0003-4347
Annales des Telecommunications Centre National d'Etudes des Telecommunications, 38 Rue du General Leclerc, 92131 Issy-Les-Moulineaux, France

Ann. Tokyo Astron. Obs. (Japan) (1968—)
Coden: ATAOA7 ISSN 0082-4704
Annals of the Tokyo Astronomical Observatory University of Tokyo, Mitaka, Tokyo, Japan

Ann. Univ. Turku. Ser. AI (Finland) (1968—)
Coden: AUTUAP ISSN 0082-7002
Annales Universitatis Turkuensis, Ser AI (Astronomica-Chemica Physica-Mathematica) Turun Yliopisto, Turku, Finland

Annu. Inst. Mec. Appl. & Electrotech. (Bulgaria) (vol.22 1967—)
Coden: GVMEAF
Annuaire de l'Institut de Mecanique Appliquee et d'Electrotechnique Title changed to: Izv. Vmei 'Lenin' (Bulgaria)

Annu. Proc. Assoc. Sci. & Tech. Soc. S. Afr. (S. Africa) (1968—)
Coden: ATSAAL ISSN 0373-4250
Annual Proceedings of the Associated Scientific and Technical Societies of South Africa Kelvin House, 2 Hollard Street, Johannesburg, South Africa

Annu. Rep. Eng. Res. Inst. Fac. Eng. Univ. Tokyo (Japan) (vol.28 Dec. 1969—)
Coden: AFUTAO ISSN 0374-2482
Annual Report of the Engineering Research Institute, Faculty of Engineering, University of Tokyo Tokyo, Japan

Annu. Rep. Inst. Phys. Acad. Sin. (Taiwan) (vol.8 Dec. 1978—)
Coden: RIPSD3 ISSN 0304-5293
Annual Report of the Institute of Physics Academia Sinica Institute of Physics, Academia Sinica, Nankang, Taipei, Taiwan, Republic of China

Annu. Rep. Res. React. Inst. Kyoto Univ. (Japan) (vol.1 Oct. 1968—)
Coden: KURAAV ISSN 0454-9244
Annual Reports of the Research Reactor Institute, Kyoto University Osaka, Japan

Annu. Univ. Sofia Fac. Phys. (Bulgaria) (vol.63 1971—)
Coden: SUFGA9 ISSN 0584-0279
Annuaire de l'Universite de Sofia Faculte de Physique Sofiya, Bulgaria

Anritsu Tech. Bull. (Japan) (no.29 April 1973—)
Coden: ANTKAE ISSN 0003-5211
Anritsu Technical Bulletin Anritsu Electric Co. Ltd., 12-20, 4 chome, Minami-Azabu, Minato-ku, Tokyo, Japan

Anritsu Tekunikaru
See: Anritsu Tech. Bull. (Japan)

Antenna (Italy) (1968—)
Coden: ANTNBO ISSN 0392-470X
L'Antenna Via Monte Generoso 6/a, 20155 Milano, Italy

APE Eng. (GB) (no.12 April 1973—)
Coden: APEEA3 ISSN 0308-4256
APE Engineering Formerly: Apex (GB)
Amalgated Power Engineering Ltd., P.O. Box 43, Bedford MK40 4JB, England

Apex (GB) (no.2 Aug. 1969—)
Coden: APEXAQ
Apex Title changed to: APE Eng. (GB)

APL Quote Quad (USA) (vol.11, no.2 Dec. 1980—)
Coden: APLQD9 ISSN 0163-6006
APL Quote Quad Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

APL Tech. Dig. (USA) (vol.7, no.5 May-June 1968—)
Coden: APLDAZ
APL Technical Digest Title changed to: Johns Hopkins APL Tech. Dig. (USA)

Apl. Mat. (Czechoslovakia) (1968—)
Coden: APMTAK ISSN 0373-6725
Aplikace Matematiky Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Apparecch. Idraul. Pneum. (Italy) (1968—)
Coden: AIPNB3
Apparecchiature Idrauliche e Pneumatische Title changed to: Fluid Apparecch. Idraul. & Pneum. (Italy)

Appl. Acoust. (GB) (vol.2, no.3 July 1969—)
Coden: AACOBL ISSN 0003-682X
Applied Acoustics Applied Science Publishers, Ripple Road, Barking, Essex, England

Appl. Anal. (GB) (vol.1, no.1 April 1971—)
Coden: APANCC ISSN 0003-6811
Applicable Analysis Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Appl. Electr. Phenom. (USA) (1968—)
Coden: AECPBI
Applied electrical Phenomena Title changed to: Electrochem. Ind. Process. & Biol. (GB)

Appl. Energy (GB) (vol.1, no.1 Jan. 1975—)
Coden: APENDX ISSN 0306-2619
Applied Energy Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Appl. Ergonomics (GB) (vol.9, no.2 June 1978—)
Coden: AERGBW ISSN 0003-6870
Applied Ergonomics Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Appl. Math. & Comput. (USA) (vol.8, no.1 Jan. 1981—)
Coden: AMHCBQ ISSN 0096-3003
Applied Mathematics and Computation Elsevier North Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Appl. Math. & Mech. (USA) (1968—)
Coden: AMMCBH ISSN 0021-8928
Applied Mathematics and Mechanics [Translation of: *Prikl. Mat. & Mekh. (USSR)*] Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Appl. Math. & Optimiz. (USA) (vol.1, no.1 1974—)
Coden: AMOMBN ISSN 0095-4616
Applied Mathematics and Optimization Springer-Verlag Inc. New York, 175 Fifth Avenue, New York, NY 10010, USA

Appl. Math. Modelling (GB) (vol.1, no.1 June 1976—)
Coden: AMMODL ISSN 0307-904X
Applied Mathematical Modelling Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Appl. Opt. (USA)** (1968—)
Coden: APOPAI ISSN 0003-6935
Applied Optics Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Appl. Phys. (Germany) (vol.1, no.3 March 1973—)
Coden: APHYCC ISSN 0340-3793
Applied Physics Formerly: Z. Angew. Phys. (Germany). Journal now split into two parts: Appl. Phys. A (Germany) and Appl. Phys. B (Germany)

†**Appl. Phys. A (Germany)** (vol.A26, no.1 Sept. 1981—)
Coden: APSFDB ISSN 0721-7250
Applied Physics A (Solids and Surfaces) Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany. Supersedes in part: Appl. Phys. (Germany)

†**Appl. Phys. B (Germany)** (vol.B26, no.1 Sept. 1981—)
Coden: APPCDL ISSN 0721-7269
Applied Physics B (Photophysics and Laser Chemistry) Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany. Supersedes in part: Appl. Phys. (Germany)

Appl. Phys. Commun. (USA) (vol.1, no.1 1981—)
Coden: APCODQ ISSN 0277-9374
Applied Physics Communications Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

†**Appl. Phys. Lett. (USA)** (1968—)
Coden: APPLAB ISSN 0003-6951
Applied Physics Letters American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Appl. Sci. Res. (Netherlands) (1968—)
Coden: ASRHAU ISSN 0003-6994
Applied Scientific Research Martinus Nijhoff, Lange Voorhout 9, Den Haag, Netherlands

†**Appl. Sol. Energy (USA)** (1968—)
Coden: ASOEA6 ISSN 0003-701X
Applied Solar Energy [Translation of: *Geliotekhnika (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Appl. Spectrosc. (USA) (1968—)
Coden: APSPA4 ISSN 0003-7028
Applied Spectroscopy Society for Applied Spectroscopy, 428 East Preston Street, Baltimore, MD 21202, USA

Appl. Spectrosc. Rev. (USA) (vol.5, no.1 1971—)
Coden: APSRBB ISSN 0570-4928
Applied Spectroscopy Reviews Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Appl. Stat. (GB) (vol.17, no.2 1968—)
Coden: APSTAG ISSN 0035-9254
Applied Statistics (Journal of the Royal Statistical Society Series C) Royal Statistical Society, 25 Enford Street, London, W1H 2BH, England

Appl. Surf. Sci. (Netherlands) (vol.1, no.1 Sept. 1977—)
Coden: ASUSDD ISSN 0378-5963
Applications of Surface Science North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Apple Orchard (USA) (vol.5, no.1 Jan. 1984—)
Coden: AORCDO ISSN 0277-1950
Apple Orchard Published for International Apple Core Inc. by Orchard Potentials Inc., 908 George Street, Santa Clara, CA 95050, USA

Apple User (GB) (vol.4, no.9 Sept. 1984—)
Apple User Database Publications Ltd., Europa House, 68 Chester Road, Hazel Grove, Stockport SK7 5NY, England

Appliance Manuf. (USA) (vol.32, no.6 June 1984—)
Coden: APMABW ISSN 0003-679X
Appliance Manufacturer Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Arab Gulf J. Sci. Res. (Saudi Arabia) (vol.1, no.1 1983—)
Coden: AGJRE8
Arab Gulf Journal of Scientific Research Arab Bureau of Education for the Gulf States, P.O.Box 3908, Riyadh 11481, Saudi Arabia

Arabian J. Sci. & Eng. (GB) (vol.6, no.1 Jan. 1981—)
Coden: AJSEDY ISSN 0377-9211
Arabian Journal for Science and Engineering Published for the University of Petroleum and Minerals, Dhahran, Saudi Arabia, by John Wiley and Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Arch. Acoust. (Poland) (vol.3, no.1 1978—)
Coden: AACODN ISSN 0137-5075
Archives of Acoustics Polish Academy of Sciences, Palac Kultury i Nauki, 00-901 Warszawa, Poland

Arch. Autom. & Telemech. (Poland) (1968—)
Coden: AATMAV ISSN 0004-072X
Archiwum Automatyki i Telemechanika Polska Akademia Nauk, Editorial address, 00-818 Warszawa, ul. Krajowej Rady Naradowej 55, Poland

Arch. Eisenbahntech. (Germany) (no.23 Dec. 1968—)
Coden: AEBTAO ISSN 0341-0463
Archiv fur Eisenbahntechnik Hestra-Verlag, 61 Darmstadt, Holzhofallee 33, Germany

Arch. Eisenhuettenwes. (Germany) (vol.43, no.5 May 1972—)
Coden: AREIAT ISSN 0003-8962
Archiv fur das Eisenhuttenwesen Verlag Stahleisen mgH, 4 Dusseldorf 1, Postfach 8229, Germany

Arch. Elektr. Uebertrag. (Germany) (1968—)
Coden: AEUBAV
Archiv der Elektrischen Ubertragung Title changed to: Arch. Elektron. & Uebertragungstech. (Germany)

†**Arch. Elektron. & Uebertragungstech. (Germany)** (vol.25, no.12 Dec. 1971—)
Coden: AEUTAH ISSN 0001-1096
Archiv fur Elektronik und Ubertragungstechnik (Electronics and Communication) Formerly: Arch. Elektr. Uebertrag. (Germany)
S. Hirzel Verlag, D-7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany

†**Arch. Elektrotech. (Germany)** (1968—)
Coden: AELTA6 ISSN 0003-9039
Archiv fur Elektrotechnik Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

†**Arch. Elektrotech. (Poland)** (1968—)
Coden: ARELA4 ISSN 0004-0746
Archiwum Elektrotechniki Polska Akademia Nauk, Editorial address: 00-662 Warszawa, Ul. Koszykowa 75, Poland

Arch. Hutn. (Poland) (vol.13, no.3 1968—)
Coden: AHUTA4 ISSN 0004-0770
Archiwum Hutnictwa Export-Import Enterprise 'Ruch', ul. Wilcza 46, Warszawa 1, Poland

Arch. Math. Logik & Grundlagenforsch. (Germany) (vol.16, no.1-2 1974—)
Coden: AMLGAN ISSN 0003-9268
Archiv fur Mathematische Logik und Grundlagenforschung Verlag W. Kohlhammer GmbH, Hessbruhlstrasse 69, Postfach 800 430, 7000 Stuttgart 80 (Vaihingen), Germany

Arch. Mech. (Poland) (vol.2, no.2 1973—)
Coden: AMESAO ISSN 0373-2029
Archives of Mechanics (Archiwum Mechaniki Stosowanej) Formerly: Arch. Mech. Stosow. (Poland)
Polish Scientific Publishers, Swietokrzyska 21, Warszawa, Poland

Arch. Mech. Stosow. (Poland) (vol.20, no.5 1968—)
Coden: AMESAO
Archiwum Mechaniki Stosowanej Title changed to: Arch. Mech. (Poland)

Arch. Meteorol. Geophys. & Bioclimatol. Ser. A (Austria) (vol.33, no.1 1984—)
Coden: AMGAAE ISSN 0066-6416
Archives for Meteorology, Geophysics and Bioclimatology, Series A (Meteorology and Geophysics) Springer-Verlag, Molkerbastei 5, P.O.Box 367, A-1011 Wien, Austria

Arch. Post- & Fernmeldewes. (Germany) (vol.31, no.3 Aug. 1979—)
Coden: APOFDP ISSN 0170-8988
Archiv fur das Post - und Fernmeldewesen Bundesministerium fur das Post- und Fernmeldewesen, Adenauerallee 81, 5300 Bonn 1, Germany

Arch. Ration. Mech. & Anal. (Germany) (vol.51, no.5 18 Sept. 1973—)
Coden: AVRMAW ISSN 0003-9527
Archive for Rational Mechanics and Analysis Springer-Verlag, D1000 Berlin 33, Heidelberger Platz 3, Germany

Arch. Sci. (Switzerland) (1968—)
Coden: ASGVAH ISSN 0003-9705
Archives des Sciences Societe de Physique et d'Histoire Naturelle de Geneve. Subscription address: Librairie Payot, 6 Rue Grenus, 1211 Geveva 11, Switzerland

Arch. Tech. Mess. & Ind. Messtech. (Germany) (1968—)
Coden: ATMIAF
Archiv fur technisches Messen und industrielle Messtechnik Title changed to: Arch. Tech. Mess. & Messtech. Prax. (Germany)

Arch. Tech. Mess. & Messtech. Prax. (Germany) (no.438 July 1972—)
Coden: ATMPC4
Archiv fur Technisches Messen & Messtechnische Praxis Formerly: Arch. Tech. Mess. & Ind. Messtech. (Germany) Title changed to: Tech. Mess. - ATM (Germany)

Archaeoastronomy (GB) (no.1 1979—)
Coden: ARHADN ISSN 0142-7253
Archaeoastronomy Issued with: *J. Hist. Astron. (GB)*

Archaeometry (GB) (vol.15, pt.2 July 1973—)
Coden: ARCHAG ISSN 0003-813X
Archaeometry Research Laboratory for Archaeology and the History of Art, Oxford University, 6 Keble Road, Oxford OX1 3QJ, England

Ark. Fys. (Sweden) (1968—)
Coden: AFYSA7
Arkiv for Fysik Title changed to: Phys. Scr. (Sweden)

Ark. Fys. Semin. Trondheim (Norway) (no.9 1973—)
Coden: AFYTAA ISSN 0365-2459
Arkiv for det Fysiske Seminar i Trondheim c/o Institutt for Teoretisk Fysikk, Universitetet i Trondheim, NTH, N-7034 Trondheim, Norway

Ark. Mat. (Sweden) (1968—)
Coden: AKMTAJ ISSN 0004-2080
Arkiv for Matematik Institut Mittag-Leffler, Auravagen 17, S-182 62 Djursholm, Sweden

Arkansas Bus. & Econ. Rev. (USA) (vol.14, no.2 Summer 1981—)
Coden: ABRVBM ISSN 0004-1742
Arkansas Business and Economic Review University of Arkansas, Bureau of Business and Economic Research, College of Business Administration, Fayetteville, AR 72701, USA

ARMA Rec. Manage. Q. (USA) (vol.17, no.3 July 1983—)
Coden: RMGQAB
ARMA Records Management Quarterly Association of Records Managers and Administrators Inc., 4200 Somerset Drive, Suite 215, Prairie Village, KS 66208, USA

†**Artif. Intell. (Netherlands)** (vol.2, no.1 Spring 1971—)
Coden: AINTBB ISSN 0004-3702
Artificial Intelligence North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

ASEA J. (Sweden) (1968—)
Coden: ASEJA5 ISSN 0001-2459
ASEA Journal Allmanna Svenska Elektriska AB, S-721 83 Vasteras, Sweden

Asia Electron. Union J.
See: AEU (Japan)

Asian Broadcast. Union Tech. Rev.
See: ABU Tech. Rev. (Japan)

Asian Comput. Mon. (Hong Kong) (no.60 Oct. 1982—)
Coden: ASCMD7 ISSN 0254-217X
Asian Computer Monthly Computer Publications Ltd., 7th Floor, 22 Wyndham Street, Hong Kong, Hong Kong

Asian Sources Comput. Prod. (Hong Kong) (vol.1, no.9 June 1983—)
ISSN 0254-5586
Asian Sources Computer Products Trade Media Ltd., G.P.O. Box 9929, Hong Kong, Hong Kong

Asian Sources Electron. Components (Hong Kong) (vol.5, no.7 Nov. 1983—)
Coden: ASECEM
Asian Sources Electronic Components Trade Media Ltd., G.P.O. Box 9929, Hong Kong, Hong Kong

ASLE Trans. (USA) (vol.17, no.2 April 1974—)
Coden: ASLTA2 ISSN 0569-8197
ASLE Transactions American Society of Lubrication Engineers, 838 Busse Highway, Park Ridge, IL 60068, USA

ASLIB Proc. (GB) (vol.22, no.4 April 1970—)
Coden: ASLPAO ISSN 0001-253X
ASLIB Proceedings Information House, 26-27 Boswell Street, London WC1N 3JZ, England

ASME Trans. J. Appl. Mech.
See: Trans. ASME. J. Appl. Mech. (USA)

ASME Trans. J. Biomech. Eng.
See: Trans. ASME. J. Biomech. Eng. (USA)

ASME Trans. J. Dyn. Syst. Meas. & Control
See: Trans. ASME. J. Dyn. Syst. Meas. & Control (USA)

ASME Trans. J. Energy Resour. Technol.
See: Trans. ASME. J. Energy Resour. Technol. (USA)

ASME Trans. J. Eng. Gas Turbines & Power
See: Trans. ASME. J. Eng. Gas Turbines & Power (USA)

ASME Trans. J. Eng. Ind.
See: Trans. ASME. J. Eng. Ind. (USA)

ASME Trans. J. Eng. Mater. & Technol.
See: Trans. ASME. J. Eng. Mater. & Technol. (USA)

ASME Trans. J. Eng. Power
See: Trans. ASME. J. Eng. Power (USA)

ASME Trans. J. Fluids Eng.
See: Trans. ASME. J. Fluids Eng. (USA)

ASME Trans. J. Heat Transfer
See: Trans. ASME. J. Heat Transfer (USA)

ASME Trans. J. Lubr. Technol.
See: Trans. ASME. J. Lubr. Technol. (USA)

ASME Trans. J. Mech. Des.
See: Trans. ASME. J. Mech. Des. (USA)

ASME Trans. J. Pressure Vessel Technol.
See: Trans. ASME. J. Pressure Vessel Technol. (USA)

ASME Trans. J. Sol. Energy Eng.
See: Trans. ASME. J. Sol. Energy Eng. (USA)

ASR - Bull. INORGA (Czechoslovakia) (vol.16, no.1 1982—)
Coden: ABUIDY ISSN 0231-8954
ASR - Bulletin INORGA Formerly: Autom. Syst. Rizeni (Czechoslovakia)
INORGA, Letenska 17, 118 08 Praha 1, Czechoslovakia

Assem. Autom. (GB) (vol.1, no.3 May 1981—)
Coden: ASAUDL ISSN 0144-5154
Assembly Automation IFS (Publications) Ltd., 35-39 High Street, Kempston, Bedford MK42 7BT, England

Assoc. Can. Bibl. Lang. Fr. Bull. (Canada) (vol.18, no.1 March 1972—)
Coden: BCBLAV
Association Canadienne des Bibliothecaires de Langue Francaise. Bulletin Title changed to: Doc. & Bibl. (Canada)

Assoc. Comput. Mach. Commun.
See: Commun. ACM (USA)

Assoc. Comput. Mach. J.
See: J. Assoc. Comput. Mach. (USA)

Assoc. Comput. Mach. SIGDOC Asterisk
See: ACM SIGDOC Asterisk (USA)

Assoc. Comput. Mach. Trans. Database Syst.
See: ACM Trans. Database Syst. (USA)

Assoc. Comput. Mach. Trans. Graphics
See: ACM Trans. Graphics (USA)

Assoc. Comput. Mach. Trans. Math. Software
See: ACM Trans. Math. Software (USA)

Assoc. Comput. Mach. Trans. Off. Inf. Syst.
See: ACM Trans. Off. Inf. Syst. (USA)

Assoc. Comput. Mach. Trans. Program. Lang. & Syst.
See: ACM Trans. Program. Lang. & Syst. (USA)

Assoc. Educ. Data Syst. J.
See: AEDS J. (USA)

Assoc. Educ. Data Syst. Monit.
See: AEDS Monit. (USA)

Assoc. Ing. Electr. Inst. Electrotech. Montefiore Bull. Sci.
See: Bull. Sci. Assoc. Ing. Electr. Inst. Electrotech. Montefiore (Belgium)

Assoc. Libr. & Ling. Comput. J.
See: ALLC J. (GB)

Assoc. Lit. & Linguist. Comput. Bull. (GB) (vol.1, no.2 Summer 1973—)
Coden: ALLCB5 ISSN 0305-9855
Association for Literary and Linguistic Computing Bulletin Title changed to: ALLC Bull. (GB)

Assoc. Lit. Linguist. Comput. Bull.
See: ALLC Bull. (GB)

Assoc. Lunar. & Planet. Obs. J.
See: J. Assoc. Lunar & Planet. Obs. Strolling Astron. (USA)

Assoc. Spec. Libr. & Inf. Bur. Proc.
See: ASLIB Proc. (GB)

ASTM Stand. News (USA) (vol.1, no.1 Jan. 1973—)
Coden: STDNAD ISSN 0090-1210
ASTM Standardization News Formerly: Mater. Res. & Stand. (USA)
American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, USA

Astrofiz. Issled.-Izv. Spets. Astrofiz. Obs. (USSR) (vol.10 1978—)
Coden: AILEDQ ISSN 0324-1459
Astrofizicheskie Issledovaniya-Izestiya Spetsial'noi Astrofizicheskoi Observatorii 'Nauka', Leningradskoe Otdelenie, 199164 Leningrad V-164, Mendeleevskaya Lin. d. 1, USSR [English translation in: *Bull. Spec. Astrophys. Obs.-North Caucasus (USA)*]

†Astrofizika (USSR) (1968—)
Coden: ASTKBG
Astrofizika Academy of the Armenian SSR, Erevan, USSR [English translation in: *Astrophysics (USA)*]

Astrometriya & Astrofiz. (USSR) (no.14 1971—)
Coden: AAFZBZ ISSN 0582-8198
Astrometriya i Astrofizika Izdatel'stvo 'Naukova Dumka' 252601 Kiev, GSP, Repina 3, USSR

†Astron. & Astrophys. (Germany) (vol.6, no.1 May 1970—)
Coden: AAEJAF ISSN 0004-6361
Astronomy and Astrophysics Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

†Astron. & Astrophys. Suppl. Ser. (France) (vol.39, no.1 Jan. 1980—)
Coden: AAESB9 ISSN 0365-0138
Astronomy & Astrophysics Supplement Series Formerly: Astron. & Astrophys. Suppl. Ser. (Switzerland)
Editions de Physique, Z.I. de Courtaboeuf, B.P. 112, 91944 Les Ulis Cedex, France

Astron. & Astrophys. Suppl. Ser. (Switzerland) (vol.5, no.1 Jan. 1972—)
Coden: AAESB9
Astronomy and Astrophysics Supplement Series Title changed to: Astron. & Astrophys. Suppl. Ser. (France)

Astron. Circ. (Acad. Sin.) (China) (no.3 24 May 1979—)
Coden: TWTHD8
Astronomical Circulars (Academia Sinica) Academia Sinica, Beijing, People's Republic of China

Astron. Her. (Japan) (vol.63, no.2 Feb. 1970—)
Coden: TGEPAC ISSN 0374-2466
Astronomical Herald Astronomical Society of Japan, Tokyo Astronomical Observatory, Oosawa Mitaka, Tokyo, Japan

Astron. Inst. Czech. Bull.
See: Bull. Astron. Inst. Czech. (Czechoslovakia)

†Astron. J. (USA) (1968—)
Coden: ANJOAA ISSN 0004-6256
Astronomical Journal Published for the American Astronomical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Astron. Nachr. (Germany) (vol.297, no.4 1976—)
Coden: ASNAAN ISSN 0004-6337
Astronomische Nachrichten Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany

Astron. Soc. Aust. Proc.
See: Proc. Astron. Soc. Aust. (Australia)

Astron. Soc. India Bull.
See: Bull. Astron. Soc. India

Astron. Soc. India Mem.
See: Mem. Astron. Soc. India

Astron. Soc. Jpn. Publ.
See: Publ. Astron. Soc. Jpn. (Japan)

Astron. Soc. Pac. Publ.
See: Publ. Astron. Soc. Pac. (USA)

Astron. Soc. South. Afr. Mon. Notes
See: Mon. Notes Astron. Soc. South Afr. (S. Africa)

Astron. Tidsskr. (Sweden) (vol.7, no.1 1974—)
Coden: ANTKBF ISSN 0004-6345
Astronomisk Tidsskrift Editorial address: Institutionen for Astronomi, 222 24 Lund, Sweden

Astron. Vestn. (USSR) (vol.3, no.4 Oct.-Dec. 1969—)
Coden: ASVEA7 ISSN 0320-930X
Astronomicheskii Vestnik ab/yasht 918, Moskva, K-9, USSR [English translation in: *Sol. Syst. Res. (USA)*]

†Astron. Zh. (USSR) (1968—)
Coden: ASZHA2 ISSN 0004-6299
Astronomicheskii Zhurnal Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. (USA)*]

Astronaut. Acta (GB) (1968—)
Coden: ASACAW
Astronautica Acta Title changed to: Acta Astronaut. (GB)

Astronomie (France) (vol.98 Jan. 1984—)
Coden: ATROAO ISSN 0004-6302
L'Astronomie Societe Astronomique de France, 3 rue Beethoven, 75016 Paris, France

Astronomy (USA) (vol.4, no.1 April 1976—)
Coden: ASTRD5 ISSN 0091-6358
Astronomy Astro Media Corp., 625 E. St. Paul Avenue, P.O.Box 92788, Milwaukee, WI 53202, USA

†Astrophys. & Space Sci. (Netherlands) (1968—)
Coden: APSSBE ISSN 0004-640X
Astrophysics and Space Science D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands. Incorporates Cosmic Electrodynam. (Netherlands)

†Astrophys. J. (USA) (1968—)
Coden: ASJOAB ISSN 0004-637X
Astrophysical Journal University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA

†Astrophys. J. Lett. Ed. (USA) (vol.168, no.3, pt.2 15 Sept. 1971—)
Coden: AJLEAU ISSN 0571-7248
Astrophysical Journal. Letters to the Editor University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA

Astrophys. J. Suppl. (USA) (1968—)
Coden: APJSA2
Astrophysical Journal Supplement Title changed to: Astrophys. J. Suppl. Ser. (USA)

†Astrophys. J. Suppl. Ser. (USA) (vol.43, no.1 May 1980—)
Coden: APJSA2 ISSN 0067-0049
Astrophysical Journal Supplement Series Formerly: Astrophys. J. Suppl. (USA)
University of Chicago Press, 5801 S. Ellis Avenue, Chicago, IL 60637, USA

†Astrophys. Lett. (GB) (1968—)
Coden: ASTLAI ISSN 0004-6388
Astrophysical Letters Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†Astrophysics (USA) (1968—)
Coden: ATPYAA ISSN 0571-7132
Astrophysics [Translation of: *Astrofizika (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

† indicates a journal abstracted completely

At. & Strom (Germany) (1968—)
Coden: ATSTAA ISSN 0004-7066
Atom und Strom Vereinigung Deutscher Elektrizitatswerke, Verlags-u. Wirtschaftsgesellschaft der Elektrizitatswerke, Stresemannallee 23, 6000 Frankfurt (Main) 70, Germany

At. Absorpt. Newsl. (USA) (vol.8, no.6 Nov.-Dec. 1969—)
Coden: AABNAC
Atomic Absorption Newsletter Title changed to: At. Spectrosc. (USA)

At. Data & Nucl. Data Tables (USA) (vol.12, no.1 Aug. 1973—)
Coden: ADNDAT ISSN 0092-640X
Atomic Data and Nuclear Data Tables Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA. Formed by merger of At. Data (USA) and Nucl. Data Tables (USA)

At. Data (USA) (vol.1, no.1 Sept. 1969—)
Coden: ATDAAE
Atomic Data Merged with Nucl. Data Tables (USA) to form At. Data & Nucl. Data Tables (USA)

At. Energ. (USSR) (1968—)
Coden: AENGAB ISSN 0004-7163
Atomnaya Energiya Akademiya Nauk SSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Sov. At. Energy (USA)*]

At. Energy Aust. (Australia) (vol.13, no.4 Oct. 1970—)
Coden: AEAUAM ISSN 0004-7090
Atomic Energy in Australia Australian Atomic Energy Commission, Post Office, Coogee, N.S.W. 2034, Australia

At. Energy Rev. Spec. Issue (Austria) (no.8 1981—)
Coden: AERSD2 ISSN 0004-7112
Atomic Energy Review, Special Issue International Atomic Energy Agency, Wagramerstrasse 5, P.O.Box 100, A-1400 Vienna, Austria

At. Energy Soc. Jpn. J.
See: J. At. Energy Soc. Jpn. (Japan)

At. Spectrosc. (USA) (vol.1, no.1 Jan.-Feb. 1980—)
Coden: ASPND7 ISSN 0195-5373
Atomic Spectroscopy Formerly: At. Absorpt. Newsl. (USA)
Perkin-Elmer Corp., Main Avenue, Norwalk, CT 06856, USA

Ateliers Constr. Electr. Charleroi Rev.
See: ACEC Rev. (Belgium)

Atmos. Environ. (GB) (vol.6, no.1 Jan. 1972—)
Coden: ATENBP ISSN 0004-6981
Atmospheric Environment Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Atmos. Technol. (USA) (no.9 Spring 1978—)
Coden: ATTED7 ISSN 0091-2026
Atmospheric Technology National Center for Atmospheric Research, Post Office Box 3000, Boulder, CO 80303, USA

Atom (GB) (no.142 Aug. 1968—)
Coden: ATMMAR ISSN 0004-7015
Atom United Kingdom Atomic Energy Authority, 11 Charles II Street, London, SW1Y 4QP, England

Atomkernenerg. Kerntech. (Germany) (vol.33, no.1 1979—)
Coden: ATKEDU ISSN 0171-5747
Atomkernenergie Kerntechnik Formerly: Atomkernenergie (Germany)
Verlag Karl Thiemig AG, Pilgersheimerstrasse 38, Postfach 900740, D-8000 Munchen 90, Germany

Atomkernenergie (Germany) (1968—)
Coden: ATKEAR
Atomkernenergie Title changed to: Atomkernenerg. Kerntech. (Germany)

Atomwirtsch.-Atomtech. (Germany) (vol.14, no.1 Jan. 1969—)
Coden: AWAKAG ISSN 0365-8414
Atomwirtschaft-Atomtechnik Handelsblatt GmbH, 4 Dusseldorf 1, Kreuzstrasse 21, Postfach 1102, Germany

Atoomenerg. Toepass. (Netherlands) (vol.11, no.2 Feb. 1969—)
Coden: AETPAY
Atoomenergie en haar Toepassingen Title changed to: Energiespectrum (Netherlands)

†**AT&T Bell Lab. Tech. J. (USA)** (vol.63, no.1 Jan. 1984—)
Coden: ABLJER ISSN 0005-8580
AT&T Bell Laboratories Technical Journal Formerly: Bell Syst. Tech. J. (USA)
Room 1E335, 101 J.F. Kennedy Parkway, Short Hills, NJ 07078, USA

Atti Accad. Ligure Sci. & Lett. (Italy) (vol.25, no.1 1969—)
Coden: AALGA7 ISSN 0392-2219
Atti della Accademia Ligure di Scienze e Lettere Palazzo Reale, Via Balbi 10, 16126 Genova, Italy

Atti Accad. Naz. Lincei, Rend. Cl. Sci. Fis. Mat. & Nat. (Italy) (vol.49, no.6 1970—)
Coden: AANLAW ISSN 0392-7881
Atti della Accademia Nazionale dei Lincei. Rendiconti, Classe di Scienze Fisiche, Matematiche e Naturali Via della Lungara 10, 000165 Roma, Italy

Atti Accad. Sci. Ist. Bologna Cl. Sci. Fis. Mem. Ser. IV (Italy) (no.3 1979—)
Coden: AABMA9 ISSN 0515-2143
Atti della Accademia delle Scienze dell' Istituto di Bologna, Classe di Scienze Fisiche, Memorie, Serie IV Bologna, Italy

Atti Accad. Sci. Ist. Bologna Cl. Sci. Fis. Rend. Ser. XIII (Italy) (vol.6, no.2 31 Oct. 1979—)
Coden: AABFAM ISSN 0365-0057
Atti della Accademia delle Scienze dell' Istituto di Bologna, Classe di Scienze Fisiche, Rendiconti, Serie XIII Bologna, Italy

Atti Accad. Sci. Torino I (Italy) (1968—)
Coden: AATFAA ISSN 0001-4419
Atti della Accademia delle Scienze di Torino. I. Classe di Scienze Fisiche, Mathematiche e Naturali Via Accademia delle Scienze 6, Via Maria Vittoria 3, Torino (208), Italy

Atti Fond. Giorgio Ronchi & Contrib. Ist. Naz. Ottica (Italy) (1968—)
Coden: AFROAS
Atti della Fondazione Giorgio Ronchi e Contributi dell' Istituto Nazionale di Ottica Title changed to: Atti Fond. Giorgio Ronchi (Italy)

Atti Fond. Giorgio Ronchi (Italy) (vol.31, no.1 Jan.-Feb. 1976—)
Coden: AFDGA2 ISSN 0015-606X
Atti della Fondazione Giorgio Ronchi Formerly: Atti Fond. Giorgio Ronchi & Contrib. Ist. Naz. Ottica (Italy)
Largo Enrico Fermi 1, 50125 Arcetri-Firenze, Italy

Atti Semin. Mat. & Fis. Univ. Modena (Italy) (vol.18, no.2 1969—)
Coden: ASMMAK ISSN 0041-8986
Atti del Seminario Matematico e Fisico dell' Universita di Modena Modena, Italy

Atti Soc. Peloritana Sci. Fis. Mat. & Nat. (Italy) (1968—)
Coden: ASPSAJ ISSN 0037-8860
Atti della Societa Peloritana di Scienze Fisiche Mathematiche e Naturali Universita di Messina, Messina, Italy

Audio Eng. Soc. J.
See: J. Audio Eng. Soc. (USA)

Audio Scene Can. (Canada) (vol.11, no.2 Feb. 1974—)
Coden: AUSCC2
Audio Scene Canada Formerly: Electron (Canada) Title changed to: Audio Video Can. (Canada)

Audio Video Can. (Canada) (vol.18, no.7 July 1981—)
Coden: AVCADQ ISSN 0315-1182
Audio Video Canada Formerly: Audio Scene Can. (Canada) Title changed to: Sound Can. (Canada)

Audio Visual (GB) (no.141 Sept. 1983—)
Coden: ADVLAP ISSN 0305-2249
Audio Visual Maclaren Publishers, P.O.Box 109, Maclaren House, Scarbrook Road, Croydon, Surrey CR9 1QH, England

Audiol. Akust. (Germany) (vol.21, no.5 Sept.-Oct. 1982—)
Coden: AUKADP ISSN 0172-8261
Audiologische Akustik (Audiological Acoustics) Median Verlag, 6900 Heidelberg 1, P.O.Box 103964, Germany

Aust. Ceram. Soc. J.
See: J. Aust. Ceram. Soc. (Australia)

Aust. Comput. Bull. (Australia) (vol.4, no.4 May 1980—)
Coden: ACBUDG ISSN 0313-9050
Australian Computer Bulletin Australian Computer Society Inc., P.O.Box N26, Grosvenor Street, Sydney, N.S.W. 2000, Australia

†**Aust. Comput. J. (Australia)** (vol.2, no.2 May 1970—)
Coden: ACMJB2 ISSN 0004-8917
Australian Computer Journal Australian Trade Publications, 28 Chippen Street, Chippendale, N.S.W. 2008, Australia

†**Aust. Comput. Sci. Commun. (Australia)** (vol.1, no.2 June 1979—)
Coden: ACSCDD ISSN 0157-3055
Australian Computer Science Communications Department of Information Science, University of Tasmania, G.P.O. Box 252C Hobart, Tasmania 7001, Australia

Aust. Electr. World (Australia) (vol.45, no.2 Feb. 1980—)
Coden: AUEWAO ISSN 0726-7827
Australian Electrical World Strand Publishing Pty. Ltd., 432 Queen Street, Brisbane 4000, Australia

Aust. Electron. Bull. (Australia) (Sept. 1980—)
Coden: AEBUDU ISSN 0159-2939
Australian Electronics Bulletin Technical Indexes Pty. Ltd., 4 Kembla Street, East Cheltenham, Vic. 3192, Australia

Aust. Electron. Eng. (Australia) (vol.5, no.11 Nov. 1972—)
Coden: AUEEB5 ISSN 0004-9042
Australian Electronics Engineering Thomson Publications (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia

Aust. Inst. Eng. Civ. Eng. Trans.
See: Trans. Inst. Eng. Aust. Civ. Eng. (Australia)

Aust. Inst. Eng. Mech. Eng. Trans.
See: Trans. Inst. Eng. Aust. Mech. Eng. (Australia)

Aust. J. Audiol. (Australia) (vol.4, no.2 Nov. 1982—)
Coden: AJAUDQ ISSN 0157-1532
Australian Journal of Audiology Audiological Society of Australia, c/o National Acoustic Laboratories, 5 Hickson Road, Sydney, NSW, Australia

Aust. J. Geod. Photogramm. & Surv. (Australia) (no.34 June 1981—)
Coden: AJGSDG ISSN 0313-9220
Australian Journal of Geodesy, Photogrammetry and Surveying School of Surveying, University of New South Wales, P.O.Box 1, Kensington, NSW 2033, Australia

Aust. J. Instrum. & Control (Australia) (1968—)
Coden: AJICA9 ISSN 0045-0626
Australian Journal of Instrumentation and Control Research Publications Pty. Ltd., 12 Terra Cotta Drive, Blackburn, Vict. 3130, Australia

†**Aust. J. Phys. (Australia)** (1968—)
Coden: AUJPAS ISSN 0004-9506
Australian Journal of Physics CSIRO, 314 Albert Street, East Melbourne, Victoria 3002, Australia

Aust. J. Phys. Astrophys. Suppl. (Australia) (no.39 Jan. 1976—)
Coden: AJPAB5 ISSN 0572-1164
Australian Journal of Physics, Astrophysical Supplement CSIRO, 314 Albert Street, East Melbourne, Victoria 3002, Australia

Aust. Math. Soc. Bull.
See: Bull. Aust. Math. Soc. (Australia)

Aust. Math. Soc. J. Ser. B
See: J. Aust. Math. Soc. Ser. B (Australia)

Aust. Meteorol. Mag. (Australia) (vol.32, no.1 March 1984—)
Coden: AMMGAS ISSN 0004-9743
Australian Meteorological Magazine Bureau of Meteorology, GPO Box 1289K, Melbourne, Vic. 3001, Australia

Aust. Phys. (Australia) (vol.20, no.10 Nov. 1983—)
Coden: AUPHBZ ISSN 0004-9972
Australian Physicist Australian Institute of Physics, Science Centre, 35-43 Clarence Street, Sydney, NSW 2000, Australia

†**Aust. Telecommun. Res. (Australia)** (vol.2, no.2 Nov. 1968—)
Coden: ATRABH ISSN 0001-2777
Australian Telecommunication Research Telecommunication Society of Australia, Box 4050, G.P.O., Melbourne, Victoria 3001, Australia

Australas. Phys. & Eng. Sci. Med. (Australia) (vol.3, no.1 Jan.-Feb. 1980—)
Coden: AUPMDI ISSN 0158-9938
Australasian Physical & Engineering Sciences in Medicine Formerly: Australas. Phys. Sci. Med. (Australia)
Mr. K.H. Clarke, Unit of Physical Sciences, Cancer Institute, 481 Little Lonsdale Street, Melbourne, Victoria 3000, Australia

Australas. Phys. Sci. Med. (Australia) (vol.2, no.4 May 1979—)
Coden: APSMDW
Australasian Physical Sciences in Medicine Title changed to: Australas. Phys. & Eng. Sci. Med. (Australia)

Auto-Volt Electrauto (France) (no.523 June 1979—)
Coden: AUVOAH ISSN 0005-0881
Auto-Volt Electrauto 49 rue de Maubeuge, 75009 Paris, France

Autom. & Control (New Zealand) (vol.6, no.4 1976—)
Coden: AUCODR ISSN 0110-6295
Automation and Control Associated Group Media Ltd., Certified Concrete Building, Madeira Place, Auckland 1, New Zealand

Autom. & Electron. (Rumania) (1968—)
Coden: AUELAP
Automatica si Electronica Title changed to: Electroteh. Electron. & Autom. Autom. & Electron. (Rumania)

Autom. & Inf. Ind. (France) (no.0 Oct. 1971—)
Coden: AQIIA8
Automatique & Informatique Industrielles Merged with Electron. & Appl. Ind. (France) to form Electron. Ind. (France)

†**Autom. & Remote Control (USA)** (no.9 Sept. 1969—)
Coden: AURCAT ISSN 0005-1179
Automation and Remote Control [Translation of: *Avtom. & Telemekh. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Autom. & Strum. (Italy) (1968—)
Coden: ATSZAS ISSN 0005-1284
Automazione e Strumentazione Associazione Nazionale Italiana per l'Automazione, Via Le Premuda 2, 21029 Milano, Italy

†**Autom. Control & Comput. Sci. (USA)** (vol.10, no.1 1976—)
Coden: ACCSCE ISSN 0146-4116
Automatic Control and Computer Sciences [Translation of: *Avtom. & Vychisl. Tekh. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Autom. Control Theory & Appl. (Canada) (vol.1, no.1 Jan. 1972—)
Coden: ACTACB ISSN 0315-8934
Automatic Control Theory and Applications Title changed to: Control & Comput. (Canada)

Autom. Data Process. Inf. Bull. (Belgium) (no.24 1978—)
Coden: ADPBD2 ISSN 0379-0258
Automatic Data Processing Information Bulletin International Social Security Association, Data Processing Consultative Service, Boulevard de l'Empereur 7, B-1000 Brussels, Belgium

Autom. Doc. & Math. Linguist. (USA) (vol.16, no.1 1982—)
Coden: ADMLAE
Automatic Documentation and Mathematical Linguistics [Translation of: *Nauchno-Tekh. Inf. Ser. 2 (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Autom. Elec. Tech. J. (USA) (1968—)
Coden: AETJAG
Automatic Electric Technical Journal Title changed to: GTE Autom. Electr. Tech. J. (USA)

Autom. Electr. Power Syst. (China) (vol.8, no.1 Jan. 1984—)
Automation of Electric Power Systems Automation of Electric Power Systems Press, P.O.Box 323, Nanjing, People's Republic of China. Distribution address: China International Book Trading Corp., Guoji Shudian, P.O.Box 2820, Beijing

Autom. Mach. (USA) (vol.33, no.2 Dec. 1971—)
Coden: AUMAAW ISSN 0005-1071
Automatic Machining Screw Machine Publishing Co. Inc., 65 Broad Street, Rochester, NY 14614, USA

Autom. Monit. & Meas. (GB) (no.2 March-April 1974—)
Coden: AUMMC2 ISSN 0005-1292
Automatic Monitoring and Measuring [Translation of: *Avtometriya (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, England

Autom. Syst. Rizeni (Czechoslovakia) (vol.9, no.1 1975—)
Coden: ASRID2 ISSN 0323-1410
Automatizovane Systemy Rizeni - Bulletin INORGA Formerly: Inorga (Czechoslovakia) Title changed to: ASR - Bull. INORGA (Czechoslovakia)

Autom. Weld. (GB) (1968—)
Coden: AUWEAQ ISSN 0005-108X
Automatic Welding [Translation of: *Avtom. Svarka (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge CB1 6AL, England

†**Automatica (GB)** (1968—)
Coden: ATCAA9 ISSN 0005-1098
Automatica Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Automatie (Netherlands) (1968—)
Coden: AUTOA7 ISSN 0005-1128
Automatie Breedenbroekseweg 8A, 7083 AT Voorst, Netherlands

Automatik (Germany) (1968—)
Coden: ATMKAL
Automatik Incorporates Automatisierung (Germany). Now incorporated in Mess. & Pruef. (Germany)

Automatika (Yugoslavia) (1968—)
Coden: ATKAAF ISSN 0005-1144
Automatika Zagreb, Unska Ulica br.17, Postanski Pretinac 123, Yugoslavia

Automation (GB) (vol.3, no.11 Nov. 1968—)
Coden: ATMNBV ISSN 0005-1152
Automation United Trade Press, 33-39 Bowling Green Lane, London EC1R 0DA, England

Automation (USA) (1968—)
Coden: ATMNAU
Automation Title changed to: Prod. Eng. (USA)

Automatisierung (Germany) (1968—)
Coden: AUTOB8
Automatisierung Incorporated with Automatik (Germany)

Automatisme (France) (1968—)
Coden: AUMTAL
Automatisme Title changed to: Nouv. Autom. (France)

Automatizace (Czechoslovakia) (1968—)
Coden: AUTMAZ ISSN 0005-125X
Automatizace SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Automedica (GB) (vol.1, no.2 1974—)
Coden: AUMDC9 ISSN 0095-0963
Automedica Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Automot. Eng. (USA) (vol.86, no.5 May 1978—)
Coden: AUEGBB ISSN 0098-2571
Automotive Engineering Society of Automotive Engineers Inc., 400 Commonwealth Drive, Warrendale, PA 15096, USA

†**Autophon Bull. (Switzerland)** (no.20—)
Coden: AUBUD6
Autophon Bulletin Autophon AG, Ziegelmattstrasse 1-15, CH-4500 Solothurn, Switzerland

Avh. Nor. Vidensk.-Akad. Oslo I (Norway) (1968—)
Coden: AUNVAW ISSN 0549-7019
Avhandlingar utgitt av det Norske Videnskaps-Akademi i Oslo, I. Mathematisk-Naturvidenskaplige Klasse Faculty of Mathematics and Science, University of Oslo, Blindern per Oslo, Norway

Aviat. Rev. (GB) (no.25 Sept. 1970—)
Coden: AVRVBQ
Aviation Review Title changed to: Aerosp. & Def. Rev. (GB)

†**Avtom. & Telemekh. (USSR)** (1968—)
Coden: AVTEAI ISSN 0005-2310
Avtomatika i Telemekhanika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Autom. & Remote Control (USA)*]

Avtom. & Vychisl. Tekh. (USSR) (1968—)
Coden: AVYTAK ISSN 0132-4160
Avtomatika i Vychislitel'naya Tekhnika Academy of Sciences of Latvian SSR, Riga, USSR [English translation in: *Autom. Control & Comput. Sci. (USA)*]

Avtom. Svarka (USSR) (vol.21, no.2 Feb. 1968—)
Coden: AVSVAU ISSN 0005-111X
Avtomaticheskaya Svarka Ukrainian SSR Academy of Sciences, Arc Welding Institute, Kiev, USSR [English translation in: *Autom. Weld. (GB)*]

Avtom. Telemekh. & Svyaz (USSR) (1968—)
Coden: ATSVAG ISSN 0005-2329
Avtomatika, Telemekhanika, Svyaz' Editorial address: 107078, Moskva, B-78, Krasnovorotskii Proezd, D. 3B, USSR

Avtomatika (USSR) (1968—)
Coden: AVTMA8 ISSN 0038-5328
Avtomatika Institution of Cybernetics, 102 Brest-Litovskii Prosp., Kiev 57, USSR [English translation in: *Sov. Autom. Control (USA)*]

Avtometriya (USSR) (1968—)
Coden: AVMEBI ISSN 0320-7102
Avtometriya Izdatel'stvo Nauka, Sibirskoe Otdelenie, 630099, Novosibirsk 99, Sovetskaya 18, USSR [English translation in: *Autom. Monit. & Meas. (GB)*]

Banaras Hindu Univ. J. Sci. Res.
See: J. Sci. Res. Banaras Hindu Univ. (India)

Bangladesh J. Sci. & Ind. Res. (vol.8, no.1-4 Jan.-Oct. 1973—)
Coden: BJSIBL ISSN 0304-9809
Bangladesh Journal of Scientific and Industrial Research Formerly: Sci. Res. (Bangladesh)
Bangladesh Council of Scientific and Industrial Research, Dacca, Bangladesh

Bank Mark. (USA) (vol.15, no.7 July 1983—)
Bank Marketing Bank Marketing Association, 309 West Washington Street, Chicago, IL 60606, USA

Bank Syst. & Equip. (USA) (vol.19, no.1 Jan. 1982—)
Coden: BSEQD6 ISSN 0146-0900
Bank Systems & Equipment Gralla Publications, 1515 Broadway, New York, NY 10036, USA

Bankers' Mag. (GB) (vol.227, no.1671 June 1983—)
ISSN 0005-5441
Bankers' Magazine Merged with J. Inst. Bankers (GB) to form Banking World (GB)

Banking World (GB) (vol.1, no.1 July 1983—)
Coden: BAWOEX ISSN 0737-6413
Banking World Institute of Bankers, 10 Lombard Street, London EC3V 9AS, England. Formed by merger of J. Inst. Bankers (GB) and Bankers' Mag. (GB)

Bauelem. Elektrotech. (Germany) (vol.3, no.19 Dec. 1968—)
Coden: BEETAG
Bauelemente der Elektrotechnik Title changed to: Elektron. Entwickl. (Germany)

†**BBC Nachr. (Germany)** (1968—)
Coden: BBCNAZ ISSN 0005-2825
BBC Nachrichten Brown Boveri & Cie, Aktiengesellschaft, 6800 Mannheim 1, Postfach 351, Germany

Beck Isoliertech. (Germany) (no.45 Feb. 1971—)
Coden: BITKAO ISSN 0374-2695
Beck Isoliertechnik Beck Elektro-Isoliersysteme, 200 Hamburg 28, Postfach 280 180, Grossmannstrasse 105, Germany

BEEBUG (GB) (vol.2, no.10 April 1984—)
Coden: BEEBEY ISSN 0263-7561
BEEBUG BEEBUG Publications Ltd., P.O.Box 50, St. Albans, Herts. AL1 2AR, England

†**Behav. & Inf. Technol. (GB)** (vol.1, no.1 Jan.-March 1983—)
Coden: BEITD5 ISSN 0144-929X
Behaviour and Information Technology Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Behav. & Soc. Sci. Libr. (USA) (vol.2, no.2-3 1981-1982—)
Coden: BSSLDR ISSN 0163-9269
Behavioral & Social Sciences Librarian Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Behav. Res. Methods & Instrum. (USA) (vol.5, no.1 Jan. 1973—)
Coden: BRMIAC ISSN 0005-7878
Behavior Research Methods and Instrumentation Psychonomic Society Inc., 1108 West 34th Street, Austin, TX 78705, USA

Behav. Sci. (USA) (vol.17, no.1 Jan. 1972—)
Coden: BEHSAS ISSN 0005-7940
Behavioral Science Systems Science Publications, University of Louisville, Louisville, KY 40208, USA

Beitr. Phys. Atmos.
See: Contrib. Atmos. Phys. (Germany)

Beitr. Phys. Atmos. (Germany) (vol.41, no.2 1968—)
Coden: BPYAAY
Beitrage zur Physik der Atmosphare Title changed to: Contrib. Atmos. Phys. (Germany)

†**Beitr. Plasma Phys. (Germany)** (1968—)
Coden: BPPHAA ISSN 0005-8025
Beitrage aus der Plasma Physik Akademie-Verlag, 108 Berlin, Leipzigerstrasse 3-4, Germany

Belgelectro-Export (Belgium) (no.21 March 1969—)
Coden: BEEXAS ISSN 0522-7356
Belgelectro-Export 21 rue des Drapiers, 1050 Bruxelles, Belgium

† indicates a journal abstracted completely

Bell J. Econ. & Manage. Sci. (USA) (vol.6, no.1 Spring 1975—)
Coden: BJEMAU
Bell Journal of Economics and Management Science Title changed to: Bell J. Econ. (USA)

Bell J. Econ. (USA) (vol.6, no.2 Autumn 1975—)
Coden: BJECD3 ISSN 0361-915X
Bell Journal of Economics Formerly: Bell J. Econ. & Manage. Sci. (USA) Title changed to: Rand J. Econ. (USA)

Bell Lab. Rec. (USA) (1968—)
Coden: BLRCAB ISSN 0005-8564
Bell Laboratories Record Title changed to: Rec. AT&T Bell Lab. (USA)

Bell Syst. Tech. J. (USA) (1968—)
Coden: BSTJAN ISSN 0005-8580
Bell System Technical Journal Title changed to: AT&T Bell Lab. Tech. J. (USA)

Ber. Bunsenges. Phys. Chem. (Germany) (1968—)
Coden: BBPCAX ISSN 0005-9021
Berichte der Bunsengesellschaft fur Physikalische Chemie Verlag Chemie, 694 Weinheim/Bergstrasse, Postfach 1260/1280, Germany

Ber. Dtsch. Keram. Ges. (Germany) (vol.49, no.1 Jan. 1972—)
Coden: BDKGAY ISSN 0365-9542
Berichte der Deutschen Keramischen Gesellschaft Title changed to: CFI-Ceram. Forum Int. Ber. Dtsch. Keram. Ges. (Germany)

Beskontaktn. Elektr. Mash. (USSR) (no.19 1980—)
Coden: BEEMBU ISSN 0320-6351
Beskontaktnye Elektricheskie Mashiny Izdatel'stvo 'Zinatne', Riga, USSR

Best's Rev. Life/Health Insur. Ed. (USA) (vol.82, no.12 April 1982—)
Coden: BRLHB5 ISSN 0005-9706
Best's Review - Life/Health Insurance Edition A.M. Best Co. Inc., Columbia Turnpike, Box 232, Rensselaer, NY 12144, USA

Best's Rev. Prop./Casualty Insur. Ed. (USA) (vol.82, no.12 April 1982—)
Coden: BRPIDU ISSN 0161-7745
Best's Review - Property/Casualty Insurance Edition A.M. Best Co. Inc., Columbia Turnpike, Box 232, Rensselaer, NY 12144, USA

BHEL J. (India) (vol.5, no.2 May 1984—)
BHEL Journal Bharat Heavy Electricals Ltd., 18-20 Kasturba Gandhi Marg, New Delhi 110 001, India

Bio-Med. Eng. (GB) (1968—)
Coden: BIMEB6
Bio-Medical Engineering Title changed to: J. Med. Eng. & Technol. (GB)

Biochem. Eng. J. (Switzerland) (vol.27, no.2 Oct. 1983—)
Coden: CMEJAJ ISSN 0300-9467
Biochemical Engineering Journal Issued with: *Chem. Eng. J. (Switzerland)*

Bioelectromagnetics (USA) (vol.3, no.1 1982—)
Coden: BLCTDO ISSN 0197-8462
Bioelectromagnetics Alan R. Liss Inc., 150 Fifth Avenue, New York, NY 10011, USA

Biofeedback & Self-Regul. (USA) (vol.4, no.1 March 1979—)
Coden: BSELDP ISSN 0363-3586
Biofeedback and Self-Regulation Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Biofizika (USSR) (vol.18, no.5 1973—)
Coden: BIOFAI ISSN 0006-3029
Biofizika Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Biophysics (GB)*]

†**Biol. Cybern. (Germany)** (vol.17, no.1 1975—)
Coden: BICYAF ISSN 0340-1200
Biological Cybernetics Formerly: Kybernetik (Germany)
Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Biomass (GB) (vol.2, no.1 Jan. 1982—)
Coden: BIOME9 ISSN 0144-4565
Biomass Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Biomater. Med. Devices & Artif. Organs (USA) (vol.3, no.1 1975—)
Coden: BMDOAI ISSN 0090-5488
Biomaterials, Medical Devices, and Artificial Organs Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Biomaterials (GB) (vol.1, no.1 Jan. 1980—)
Coden: BIMADU ISSN 0142-9612
Biomaterials Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Biomed. Eng. (USA) (vol.6, no.1 Jan.-Feb. 1972—)
Coden: BIOEAF ISSN 0006-3398
Biomedical Engineering [Translation of: *Med. Tekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Biomed. Tech. (Germany) (vol.16, no.1 Feb. 1971—)
Coden: BMZTA7 ISSN 0013-5585
Biomedizinische Technik (Biomedical Engineering) Formerly: Elektro Med. Biomed. & Tech. (Germany)
Fachverlag Schiele & Schon GmbH, D-1000 Berlin 61, Markgrafenstrasse 11, Germany. Georg Thieme Verlag, 7 Stuttgart 1, Postfach 732, Herdweg 63, Germany

Biometrics (USA) (vol.38, no.2 June 1982—)
Coden: BIOMB6 ISSN 0006-341X
Biometrics Biometric Society, 806 15th Street NW, Suite 621, Washington, DC 20005, USA

Biometrika (GB) (vol.64, no.1 April 1977—)
Coden: BIOKAX ISSN 0006-3444
Biometrika Biometrika Trust, Biometrika Office, University College London, Gower Street, London, WC1E 6BT, England

Bionika (USSR) (no.6 1972—)
Coden: BNKABJ ISSN 0374-6569
Bionika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Biophys. J. (USA) (vol.14, no.2 10 Feb. 1974—)
Coden: BIOJAU ISSN 0006-3495
Biophysical Journal Rockefeller University Press, 1230 York Avenue, New York, NY 10021, USA

Biophys. Struct. & Mech. (Germany) (vol.1, no.1 1974—)
Coden: BSMHBH ISSN 0340-1057
Biophysics of Structure and Mechanism Title changed to: Eur. Biophys. J. (Germany)

Biophysics (GB) (vol.17, no.6 1972—)
Coden: BIOPAE ISSN 0006-3509
Biophysics [Translation of: *Biofizika (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Biophysik (Germany) (vol.8, no.3 1972—)
Coden: BPYKAU
Biophysik Title changed to: Radiat. & Environ. Biophys. (Germany)

Biorheology (GB) (vol.15, no.1 1978—)
Coden: BRHLAU ISSN 0006-355X
Biorheology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Biotelem. & Patient Monit. (Switzerland) (vol.5, no.1 1978—)
Coden: BPMODJ ISSN 0378-309X
Biotelemetry and Patient Monitoring Formerly: Biotelemetry (Switzerland) Title changed to: Acute Care (Switzerland)

Biotelemetry (Switzerland) (vol.1, no.1 1974—)
Coden: BTMYA6
Biotelemetry Title changed to: Biotelem. & Patient Monit. (Switzerland)

Birla Inst. Technol. & Sci. J.
See: J. Birla Inst. Technol. & Sci. (India)

†**BIT (Denmark)** (vol.24, no.3 1984—)
Coden: BITTEL
BIT Formerly: BIT (Sweden)
Data A/S, Kronprinsensgade 14, DK 1114 Kobenhavn K, Denmark

BIT (Sweden) (vol.8, no.1 1968—)
Coden: NBITAB ISSN 0006-3835
BIT (Nordisk Tidskrift for Informationsbehandling) Title changed to: BIT (Denmark)

BKSTS J. (GB) (vol.56, no.1 Jan. 1974—)
Coden: BKSTBR ISSN 0305-6996
BKSTS Journal Formerly: Br. Kinematogr. Sound & Telev. (GB)
British Kinematography Sound and Television Society, 110/112 Victoria House, Vernon Place, London, WC1B 3DJ, England

BLL Rev. (GB) (vol.1, no.1 July 1973—)
Coden: BLLRAQ
BLL Review Formerly: NLL Rev. (GB) Title changed to: Interlending Rev. (GB)

BMR J. Aust. Geol. & Geophys. (Australia) (vol.4, no.1 March 1979—)
Coden: BJAGDT ISSN 0312-9608
BMR Journal of Australian Geology & Geophysics Bureau of Mineral Resources, Geology & Geophysics, P.O. Box 378, Canberra, A.C.T. 2601, Australia

BOCAAD (Bull. Comput. Aided Archit. Des.) (GB) (no.4 May 1977—)
Coden: BBCDD8 ISSN 0264-4606
BOCAAD (Bulletin of Computer Aided Architectural Design) Editorial address: ABACUS, Department of Architecture and Building Science, University of Strathclyde, 131 Rottenrow, Glasgow G4 0NG, Scotland

Bol. Fac. Ing. & Agrimensura Montevideo (Uruguay) (1968—)
Coden: BFIAAK
Boletin de la Facultad de Ingenieria y Agrimensura de Montevideo Title changed to: Bol. Fac. Ing. Univ. Repub. (Uruguay)

Bol. Fac. Ing. Univ. Repub. (Uruguay) (vol.13, no.2 Dec. 1978—)
Coden: BFIRD6 ISSN 0027-013X
Boletin de la Facultad de Ingeneria Universidad de la Republica Formerly: Bol. Fac. Ing. & Agrimensura Montevideo (Uruguay)
Av. Julio Herrera y Reissig 565, Montevideo, Uruguay

Bol. Inst. Tonantzintla (Mexico) (Dec. 1973—)
Coden: BITOD5 ISSN 0303-7584
Boletin del Instituto de Tonantzintla Instituto Nacional de Astrofisica, Optica y Electronica, Apartados Postales Nos. 216 y 51, Puebla, Pue, Mexico

Boll. Geofis. Teor. & Appl. (Italy) (vol.11, no.43-44 Sept.-Dec. 1969—)
Coden: BGTAAE ISSN 0006-6729
Bollettino di Geofisica Teorica ed Applicada Osservatorio Geofisico Sperimentale, 34123 Trieste, Italy

Boll. Oceanol. Teor. & Appl. (Italy) (vol.1, no.1 Jan. 1983—)
Coden: BOTAE6
Bollettino di Oceanologia Teorica ed Applicata Osservatorio Geofisico Sperimentale, C.P. 2011, 34016 Opicina (Trieste), Italy

Boll. Tec. PTT
See: Tech. Mitt. PTT (Switzerland)

Bosch Tech. Ber. (Germany) (vol.6, no.5-6 1979—)
Coden: BTBCBM ISSN 0006-789X
Bosch Technische Berichte Robert Bosch GmbH, Postfach 50, D-7000 Stuttgart 1, Germany

Bose Res. Inst. Trans.
See: Trans. Bose Res. Inst. (India)

Boundary-Layer Meteorol. (Netherlands) (vol.1, no.1 March 1970—)
Coden: BLMEBR ISSN 0006-8314
Boundary-Layer Meteorology D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

BPICS Control (GB) (vol.9, no.5 Aug.-Sept. 1983—)
Coden: CONTEA ISSN 0266-1713
BPICS Control British Production and Inventory Control Society, 45-47 South Street, Bishops Stortford, Herts. CM23 3AG, England

Br. Astron. Assoc. Circ. (GB) (no.616 9 April 1981—)
Coden: BAACDM ISSN 0264-4185
British Astronomical Association Circular Burlington House, Piccadilly, London W1V 0NL, England

Br. Astron. Assoc. J.
See: J. Br. Astron. Assoc. (GB)

Br. Ceram. Soc. Proc.
See: Proc. Br. Ceram. Soc. (GB)

Br. Ceram. Soc. Trans. & J.
See: Trans. & J. Br. Ceram. Soc. (GB)

Br. Corros. J. (GB) (1968—)
Coden: BCRJA3 ISSN 0007-0599
British Corrosion Journal Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Br. Interplanet. Soc. J.
See: J. Br. Interplanet. Soc. (GB)

Br. J. Appl. Phys. (J. Phys. D) (GB) (1968—)
Coden: JPDBAK
British Journal of Applied Physics (Journal of Physics D) Title changed to: J. Phys. D (GB)

Br. J. Clin. Equip. (GB) (vol.5, no.5 July 1980—)
Coden: BJCEDX
British Journal of Clinical Equipment Title changed to: Br. J. Hosp. Med. (GB)

Br. J. Hist. Sci. (GB) (vol.8, pt.1, no.25 March 1974—)
Coden: BJHSAT ISSN 0007-0874
British Journal for the History of Science British Society for the History of Science, 47 Belgrave Square, London, SW1 8QX, England

Br. J. Hosp. Med. (GB) (vol.25, no.1 Jan. 1981—)
Coden: BJHMAB ISSN 0007-1064
British Journal of Hospital Medicine Formerly: Br. J. Clin. Equip. (GB)
Northwood Publications Ltd., Theba House, 49-50 Hatton Garden, London EC1N 8XS, England

†**Br. J. Non-Destr. Test. (GB)** (vol.10, no.4 Dec. 1968—)
Coden: BJNTAS ISSN 0007-1137
British Journal of Non-Destructive Testing British Institute of Non-Destructive Testing, 1 Spencer Parade, Northampton NN1 5AA, England

Br. J. Philos. Sci.(GB) (vol.24, no.4 Dec. 1973—)
Coden: BJPIA5 ISSN 0007-0882
British Journal for the Philosophy of Science Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

Br. J. Photogr. (GB) (vol.118, no.38 17 Sept. 1971—)
Coden: BRJFAM ISSN 0007-1196
British Journal of Photography Henry Greenwood & Co. Ltd., 28 Great James Street, London WC1N 3HL, England

Br. J. Radiol. (GB) (1968—)
Coden: BJRAAP ISSN 0007-1285
British Journal of Radiology British Institute of Radiology, 32 Welbeck Street, London, W1M 7PG, England

Br. Kinematogr. Sound & Telev. (GB) (1968—)
Coden: BKSTAQ
British Kinematography Sound and Television Title changed to: BKSTS J. (GB)

Br. Kinematogr. Sound & Telev. Soc. J.
See: BKSTS J. (GB)

Br. Polym. J. (GB) (vol.1, no.1 Jan. 1969—)
Coden: BPOJAB ISSN 0007-1641
British Polymer Journal Society of Chemical Industry, 14 Belgrave Square, London, SW1, England

Br. Soc. Rheol. Bull.
See: Bull. Br. Soc. Rheol. (GB)

Br. Telecom J. (GB) (vol.1, no.1 Spring 1980—)
Coden: BTJODW ISSN 0260-1532
British Telecom Journal Formerly: Post Off. Telecommun. J. (GB)
Post Office Central Headquarters, 23 Howland Street, London W1P 6HQ, England

†**Br. Telecom Technol. J. (GB)** (vol.1, no.1 July 1983—)
Coden: BTTJEY
British Telecom Technology Journal British Telecom Research Laboratories, Martlesham Heath, Ipswich, Suffolk IP5 7RE, England

†**Br. Telecommun. Eng. (GB)** (vol.1, pt.1 April 1982—)
Coden: BTEND4 ISSN 0262-401X
British Telecommunications Engineering Formerly: Post Off. Electr. Eng. J. (GB)
Institution of British Telecommunications Engineers, 2-12 Gresham Street, London EC2V 7AG, England

Brennst.-Waerme-Kraft (BWK) (Germany) (1968—)
Coden: BRWKAY ISSN 0006-9612
BWK. Brennstoff-Warme-Kraft VDI-Verlag, Postfach 1139, 4 Dusseldorf 1, Germany

Bretagne Soc. Sci. Bull.
See: Bull. Soc. Sci. Bretagne (France)

Broadcast Equip. Today (Canada) (Sept.-Oct. 1978—)
Coden: BETODB
Broadcast Equipment Today Title changed to: Broadcast Technol. (Canada)

Broadcast Technol. (Canada) (vol.5, no.1 Sept.-Oct. 1979—)
Coden: BRTED4 ISSN 0709-9797
Broadcast Technology Formerly: Broadcast Equip. Today (Canada)
Diversified Publications Ltd., Box 420, Bolton, Ont. L0P 1A0, Canada

Broadcast Tripodium (GB) (no.1 1981—)
Coden: BRTRD9
Broadcast Tripodium Pye TVT Ltd., P.O.Box 41, Coldhams Lane, Cambridge CB1 3JU, England

Broadcast. Syst. & Oper. (GB) (vol.2, no.8 Aug. 1979—)
Coden: BSOPDJ
Broadcasting Systems & Operation Title changed to: Int. Broadcast. Syst. & Oper. (GB)

Brown Boveri & Cie Nachr.
See: BBC Nachr. (Germany)

†**Brown Boveri Rev. (Switzerland)** (1968—)
Coden: BRBOA9 ISSN 0007-2486
Brown Boveri Review Brown Boveri, CH-5401 Baden, Switzerland

Bruel & Kjaer Tech. Rev. (Denmark) (no.3 1969—)
Coden: BKTRAP ISSN 0007-2621
Bruel and Kjaer Technical Review Bruel & Kjaer, DK-2850 Naerum, Denmark

†**Budavox Telecommun. Rev. (Hungary)** (no.3-4 1968—)
Coden: BUTRAR ISSN 0007-2907
Budavox Telecommunication Review Budavox Telecommunication Foreign Trading Co. Ltd., H-1392 Budapest, P.O. Box 267, Hungary

Buerotech. + Organ. (Germany) (vol.18, no.9 Sept. 1970—)
Coden: BTOBAF
Burotechnik + Organisation Title changed to: Buerotech. Autom. & Organ. (Germany)

Buerotech. Autom. & Organ. (Germany) (vol.20, no.1 Jan. 1972—)
Coden: BUOGA3
Burotechnik Automation & Organisation Formerly: Buerotech. + Organ. (Germany) Title changed to: Buerotechnik (Germany)

Buerotechnik (Germany) (vol.24, no.2 Feb. 1976—)
Coden: BUERDN
Burotechnik Formerly: Buerotech. Autom. & Organ. (Germany) Title changed to: Off. Manage. (Germany)

Build. Serv. & Environ. Eng. (GB) (vol.1, no.1 Sept. 1978—)
Coden: BSENDV ISSN 0142-310X
Building Services & Environmental Engineer Batiste Publications Ltd., Pembroke House, Campsbourne Road, Hornsey, London N8, England

Build. Serv. Eng. (GB) (vol.39 Dec. 1971—)
Coden: BSVEAI
Building Services Engineer Formerly: IHVE J. (GB). Merged with Light & Light. & Environ. Des. (GB) to form J. Chart. Inst. Build. Serv. (GB)

Build. Serv. Eng. Res. & Technol. (GB) (vol.1, no.1 1980—)
Coden: BSETDF ISSN 0143-6244
Building Services Engineering Research & Technology Chartered Institution of Building Services, 222 Balham High Road, London SW12 9BS, England

Building (GB) (vol.222, no.6719 3 March 1972—)
Coden: BULDBE ISSN 0007-3318
Building Building (Publishers) Ltd., Builder House, P.O. Box 87, 1-3 Pemberton Row, Red Lion Court, Fleet Street, London EC4P 4HL, England

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti (Rumania) (1968—)
Coden: BIGBAY
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti Journal split into three series: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim. - Metal., Ser. Electroteh. and Ser. Mec. (Rumania)

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Autom. (Rumania) (vol.45 1983—)
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Automatica Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim. (Rumania) (vol.45 1983—)
Coden: BIPCEI
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Chimie Formerly: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim.-Metal. (Rumania)
Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania. Supersedes in part: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim.-Metal. (Rumania)

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim.-Metal. (Rumania) (vol.39, no.1 Jan.-March 1977—)
Coden: BPGCDL ISSN 0378-9616
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Chimie-Metalurgie Title changed to: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim. (Rumania)

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Constr. Masini (Rumania) (vol.45 1983—)
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Constructii de Masini Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Electroteh. (Rumania) (vol.39, no.1 Jan.-March 1977—)
Coden: BIPEDN
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Electrotehnica Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania. Supersedes in part: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti (Rumania)

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Mec. (Rumania) (vol.39, no.1 Jan.-March 1977—)
Coden: BPGMDH
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Mecanica Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania. Supersedes in part: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti (Rumania)

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Metal. (Rumania) (vol.45 1983—)
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Metalurgie Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania. Supersedes in part: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim.-Metal. (Rumania)

Bul. Inst. Politeh. Iasi Sect. I (Rumania) (vol.28, no.1-4 1982—)
Coden: BIPMEE
Buletinul Institutului Politehnic din Iasi, Sectia I (Mecanica) Formerly: Bul. Inst. Politeh. Iasi Sect. I (Rumania)
Iasi, Rumania

Bul. Inst. Politeh. Iasi Sect. I (Rumania) (1968—)
Coden: BMTFA3 ISSN 0304-5188
Buletinul Institutului Politehnic din Iasi. Sectia I Matematica, Mecanica, Teoretica, Fizica Title changed to: Bul. Inst. Politeh. Iasi Sect. I (Rumania)

Bul. Inst. Politeh. Iasi Sect. III (Rumania) (vol.15, no.1-2 1969—)
Coden: BUPIAE
Buletinul Institutului Politehnic din Iasi. Sectia III Electrotehnica, Electronica, Automatizari Institutul Politehnic Iasi, Iasi, Rumania

Bul. Inst. Stud. & Proiect. Energ. (Rumania) (vol.11, no.3 1968—)
Coden: ISPBAM ISSN 0374-4841
Buletinul Institutului de Studii si Proiectari Energetice Institutului de Studii si Projectari Energetice, Bucuresti, Bd. Lacul Tei nr 1, Sectorul II, Rumania

Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara Ser. Chim. (Rumania) (vol.23, no.1 Jan.-June 1978—)
Coden: BTICBN ISSN 0366-3701
Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara, Seria Chimie Timisoara, Rumania

Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara Ser. Electroteh. (Rumania) (vol.23, no.1 Jan.-June 1978—)
Coden: BTIEBT ISSN 0373-4382
Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara, Seria Electrotehnica Timisoara, Rumania

Bul. Univ. Brasov Ser. A (Rumania) (vol.23 1981—)
Coden: BUSAD8
Buletinul Universitatii din Brasov, Seria A (Mecanica Aplicata Constructii de Masini) Title changed to: Bul. Univ. Brasov Ser. A (Rumania)

Bul. Univ. Brasov Ser. A (Rumania) (vol.24 1982—)
Buletinul Universitatii din Brasov, Seria A (Mecanica Aplicata, Electrotehnica si Electronica, Constructii de Masini) Formerly: Bul. Univ. Brasov Ser. A (Rumania)
Brasov, Rumania

Bulg. Acad. Sci. Commun. Dep. Chem. (Bulgaria) (vol.2, no.3 1969—)
Coden: BADCAY
Bulgarian Academy of Sciences, Communications of the Department of Chemistry Title changed to: Izv. Otd. Khim. Nauki Bulg. Akad. Nauk. (Bulgaria)

Bulg. J. Phys. (Bulgaria) (vol.1, no.1 1974—)
Coden: BJPHD5 ISSN 0323-9217
Bulgarian Journal of Physics Bulgarian Academy of Sciences, Faculty of Physics, 5 Anton Ivanov Blvd., 1126 Sofia, Bulgaria. Incorporates Izv. Fiz. Inst. ANEB (Bulgaria) and Izv. Inst. Elektron. (Bulgaria)

Bull. Acad. Pol. Sci. Ser. Sci. Tech. (Poland) (1968—)
Coden: BAPTA9 ISSN 0001-4125
Bulletin de l'Academie Polonaise des Sciences. Serie des Sciences Techniques Title changed to: Bull. Pol. Acad. Sci. Tech. Sci. (Poland)

†**Bull. Acad. Sci. USSR, Phys. Ser. (USA)** (1968—)
Coden: BUPSAA ISSN 0001-432X
Bulletin of the Academy of Sciences of the USSR, Physical Series [Translation of: *Izv. Akad. Nauk SSSR Ser. Fiz.*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Bull. Acad. Sci. USSR. Atmos. & Oceanic Phys. Ser. (USA) (1968—)
Coden: BSUAAZ
Bulletin of the Academy of Sciences of the USSR, Atmospheric and Oceanic Physics Title changed to: Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA)

Bull. Acad. Serbe Sci. & Arts Cl. Sci. Tech. (Yugoslavia) (no.12 1977—)
Coden: BASTDR ISSN 0490-642X
Bulletin de l'Academie Serbe des Sciences et des Arts, Classe des Sciences Techniques 35 Knez-Mihailova, 11000 Beograd, Yugoslavia

Bull. Aichi Inst. Technol. (Japan) (1983—)
Coden: AKDHD9 ISSN 0387-0812
Bulletin of the Aichi Institute of Technology 1247 Yachigusa, Yakusa-cho, Toyota, Aichi 470-03, Japan

Bull. Aichi Inst. Technol. Part A (Japan) (vol.18 March 1983—)
Coden: AKDAEN ISSN 0387-0804
Bulletin of Aichi Institute of Technology, Part A 1247 Yachigusa, Yakusa-cho, Toyota, Aichi 470-03, Japan

Bull. Aichi Inst. Technol. Part B (Japan) (vol.18 March 1983—)
Coden: AKDBDP ISSN 0387-0812
Bulletin of Aichi Institute of Technology, Part B 1247 Yachigusa, Yakusa-cho, Toyota, Aichi 470-03, Japan

Bull. Am. Assoc. Variable Star Obs. (USA) (no.44 1981—)
Coden: BAAODO
Bulletin of the American Association of Variable Star Observers 187 Concord Avenue, Cambridge, MA 02138, USA

Bull. Am. Astron. Soc. (USA) (vol.1, no.1 1969—)
Coden: AASBAR ISSN 0002-7537
Bulletin of the American Astronomical Society American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Bull. Am. Meteorol. Soc. (USA) (1968—)
Coden: BAMIAT ISSN 0003-0007
Bulletin of the American Meteorological Society 45 Beacon Street, Boston, MA 02108, USA

Bull. Am. Soc. Inf. Sci. (USA) (vol.7, no.3 Feb. 1981—)
Coden: BASICR ISSN 0095-4403
Bulletin of the American Society for Information Science 1010 Sixteenth Street, N.W., Washington, DC 20036, USA

Bull. Ann. Soc. Suisse Chronom. & Lab. Suisse Rech. Horlogeres (Switzerland) (vol.9 1980—)
Coden: BSCLAC ISSN 0366-3124
Bulletin Annuel de la Societe Suisse de Chronometrie et du Laboratoire Suisse de Recherche Horlogeres Laboratoire Suisse de Recherches Horlogeres, 2 rue A.-L. Breguet, CH-2000 Neuchatel, Switzerland

Bull. Annu. Soc. Suisse Chronom. (Switzerland) (vol.11 1982—)
Coden: BAASE3
Bulletin Annuel Societe Suisse de Chronometrie Laboratoire Suisse de Recherches Horologeres (LSRH), Rue A.-L. Breguet 2, 2000 Neuchatel 7, Switzerland

Bull. Assoc. Suisse Electr. (Switzerland) (1968—)
Coden: BUSEAH ISSN 0036-1321
Bulletin de l'Association Suisse des Electriciens (Organe Commun de l'Association Suisse des Electriciens (ASE) et de l'Union des Centrales Suisses d'Electricite (UCS)) Seefeldstrasse 301, Case Postale 229, 8008 Zurich, Switzerland

†**Bull. Astron. Inst. Czech. (Czechoslovakia)** (vol.22, no.1 1971—)
Coden: CABCAZ ISSN 0004-6248
Bulletin of the Astronomical Institutes of Czechoslovakia Academia, Publishing House of Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Bull. Astron. Soc. India (vol.5, no.1 March 1977—)
Coden: BANID3 ISSN 0304-9523
Bulletin of the Astronomical Society of India Tata Institute of Fundamental Research, Homi Bhabha Road, Bombay 400 005, India

Bull. Aust. Acoust. Soc. (Australia) (vol.12, no.1 April 1984—)
ISSN 0310-1029
Bulletin of the Australian Acoustical Society 35-43 Clarence Street, Sydney, NSW 2000, Australia

Bull. Aust. Math. Soc. (Australia) (vol.7, no.1 1972—)
Coden: ALNBAB ISSN 0004-9727
Bulletin of the Australian Mathematical Society University of Queensland Press, St. Lucia, Queensland 4067, Australia

Bull. Br. Soc. Rheol. (GB) (1968—)
Coden: BBRHAO ISSN 0045-3145
Bulletin British Society of Rheology Properties of Fluids Division, National Engineering Laboratory, East Kilbride, Glasgow, Scotland

Bull. Cl. Sci. Acad. R. Belg. (Belgium) (vol.69, no.5 1983—)
Coden: BCSAAF ISSN 0001-4141
Bulletin de la Classe des Sciences, Academie Royale de Belgique Palais de Academies, Bruxelles, Belgium

Bull. Coll. Eng. Hosei Univ. (Japan) (no.19 March 1983—)
Coden: HDKSAY ISSN 0441-2494
Bulletin of the College of Engineering, Hosei University 3-7-2 Kajino-cho, Koganei-shi, Tokyo 184, Japan

Bull. Coll. Sci. Univ. Ryukyus (Japan) (no.30 Sept. 1980—)
Coden: BCSRDZ ISSN 0286-9640
Bulletin of the College of Science, University of the Ryukyus Nakagusuku-son, Nakagami-gun, Okinawa, Japan

Bull. Comput. Aided Archit. Des.
See: BOCAAD (Bull. Comput. Aided Archit. Des.) (GB)

†**Bull. Crimean Astrophys. Obs. (USA)** (vol.59 1979—)
Coden: BCAOD4 ISSN 0190-2717
Bulletin of the Crimean Astrophysical Observatory [Translation of: *Izv. Krym. Astrofiz. Obs. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Bull. Dir. Etud. & Rech. Ser. A (France) (no.1 1969—)
Coden: EFDNAX ISSN 0013-449X
Bulletin de la Direction des Etudes et Recherches, Serie A Electricite de France, Direction Des Etudes et Recherches, 2, rue Louis Murat, 75008 Paris, France

†**Bull. Dir. Etud. & Rech. Ser. B (France)** (no.1 1969—)
Coden: EFDBAV ISSN 0013-4503
Bulletin de la Direction des Etudes et Recherches, Serie B Electricite de France, Direction des Etudes et Recherches, 2, rue Louis Murat, 75008 Paris, France

Bull. Dir. Etud. & Rech. Ser. C (France) (no.1 1970—)
Coden: EDBCAA ISSN 0013-4511
Bulletin de la Direction des Etudes et Recherche, Serie C Electricite de France, Direction des Etudes et Recherches, 1 Avenue du General de Gaulle, 92140 Clamart, France

Bull. Earthquake Res. Inst. Univ. Tokyo (Japan) (vol.50, pt.1 March 1975—)
Coden: TDJKAZ ISSN 0040-8972
Bulletin of the Earthquake Research Institute, University of Tokyo 1-1 Yayoi 1-chome, Bunkyo-ku, Tokyo, Japan

Bull. EGU (Czechoslovakia) (1968—)
Coden: BEGUBU ISSN 0007-4594
Bulletin EGU Vyzkumny Ustav Energeticky, Partyzanska 7a, Praha 7 - Holesovice, Czechoslovakia

†**Bull. Electrotech. Lab. (Japan)** (1968—)
Coden: DESIA7 ISSN 0366-9092
Bulletin of the Electrotechnical Laboratory 2-6 Nagata-cho, Chiyoda-ku, Tokyo, Japan

Bull. Eur. Assoc. Theor. Comput. Sci. (Austria) (no.14 June 1981—)
Coden: BEASDU ISSN 0252-9742
Bulletin of the European Association for Theoretical Computer Science Department of Computer Science, Technical University Graz, Graz, Austria

Bull. Fac. Eng. Alfaatih Univ.
See: Alfaatih Univ. Bull. Fac. Eng. (Libya)

Bull. Fac. Eng. Hiroshima Univ. (Japan) (vol.18, no.2 March 1970—)
Coden: HIDKAA ISSN 0018-2060
Bulletin of the Faculty of Engineering, Hiroshima University Hiroshima, Japan

Bull. Fac. Eng. Ibaraki Univ. (Japan) (vol.8 1969—)
Coden: IDKGA9 ISSN 0367-7362
Bulletin of the Faculty of Engineering, Ibaraki University Ibaraki, Japan

Bull. Fac. Eng. Miyazaki Univ. (Japan) (no.29 June 1983—)
Coden: MDKHAM ISSN 0540-4932
Bulletin of the Faculty of Engineering, Miyazaki University 1-1-1 Kirishima, Miyazaki-shi 880, Japan

Bull. Fac. Eng. Tokushima Univ. (Japan) (vol.7, no.1 Aug. 1970—)
Coden: BFETAN ISSN 0040-8883
Bulletin of Faculty of Engineering, Tokushima University Minami-Josanjima-cho, Tokushima, Japan

Bull. Fac. Eng. Yokohama Natl. Univ. (Japan) (1968—)
Coden: BFEYA4 ISSN 0513-2592
Bulletin of the Faculty of Engineering, Yokohama National University Ohka-machi, Minami-ku, Yokohama, Japan

Bull. Geod. (France) (no.93 1 Sept. 1969—)
Coden: BGDQAG ISSN 0007-4632
Bulletin Geodesique Bureau Central de l'Association Internationale de Geodesie, 39 Rue Guy-Lussac, 75005 Paris, France

Bull. Geophys. (Taiwan) (no.20 Sept. 1980—)
Coden: BGNTDA ISSN 0253-4800
Bulletin of Geophysics National Central University, Chung-Li, Taiwan, Republic of China

Bull. Gov. Ind. Res. Inst. Osaka (Japan) (vol.35, no.1 March 1984—)
Coden: OKGKAE ISSN 0472-142X
Bulletin of the Government Industrial Research Institute, Osaka 8-31, Midorigaoka-1-chome, Ikeda, Osaka 563, Japan

Bull. Indian Natl. Sci. Acad. (no.45 1973—)
Coden: BIDNAL ISSN 0378-6242
Bulletin of the Indian National Science Academy Formerly: Bull. Natl. Inst. Sci. India
Bahadur Shar Zafar Marg, New Delhi 1, India

Bull. Inf. & Cybern. (Japan) (vol.21, no.1-2 March 1984—)
Coden: BICYEJ
Bulletin of Informatics and Cybernetics Research Association of Statistical Sciences, Kyushu University 33, Fukuoka 812, Japan

Bull. Inf. Centre Donnees Stellaires (France) (no.22 March 1982—)
Coden: BICSDY ISSN 0242-6536
Bulletin d'Information du Centre de Donnees Stellaires Observatoire de Strasbourg, 11 rue de l'Universite, 6700 Strasbourg, France

Bull. INORGA
See: ASR - Bull. INORGA (Czechoslovakia)

Bull. Inst. At. Energy Kyoto Univ. (Japan) (vol.59 March 1981—)
Coden: KDGEA5 ISSN 0368-5039
Bulletin of the Institute of Atomic Energy, Kyoto University Kitashirakawa, Sakyo Ku, Kyoto, Japan

Bull. Inst. Chem. Res. Kyoto Univ. (Japan) (1968—)
Coden: BICRAS ISSN 0023-6071
Bulletin of the Institute for Chemical Research, Kyoto University Kyoto, Japan

Bull. Inst. Manage. Sci. (USA) (vol.1, no.4 June 1971—)
Coden: BMSCAN
Bulletin of the Institute of Management Sciences Title changed to: Interfaces (USA)

Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo A (Japan) (vol.6, no.2 April 1970—)
Coden: TDUHAD ISSN 0563-8100
Bulletin of the Institute of Space and Aeronautical Science, University of Tokyo A Tokyo, Japan

Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo B (Japan) (vol.10, no.1 March 1974—)
Coden: TKUHBT ISSN 0563-8100
Bulletin of the Institute of Space and Aeronautical Science, University of Tokyo B Tokyo, Japan

Bull. Int. Sect. ISSA Prev. Occup. Risks Electr. (Germany) (no.4 1976—)
Bulletin of the International Section of the ISSA for the Prevention of Occupational Risks due to Electricity Berufgenossenschaft der Feinmechanik und Elektrotechnik, D-5000 Koln 51, Oberlander Ufer 130, Germany

Bull. Isr. Phys. Soc. (Israel) (1971—)
Coden: BIPYBD ISSN 0374-2687
Bulletin of the Israel Physical Society Israel Physical Society, c/o Hebrew University, Jerusalem, Israel

Bull. Isr. Soc. Spec. Libr. & Inf. Cent. (Israel) (vol.3, no.3 April 1972—)
Coden: ISLBA2 ISSN 0021-2318
Bulletin Israel Society of Special Libraries and Information Centres P.O. Box 20125, Tel Aviv, Israel

Bull. Jpn. Soc. Precis. Eng. (Japan) (vol.3, no.4 Dec. 1969—)
Coden: BJPEAR ISSN 0582-4206
Bulletin of the Japan Society of Precision Engineering Ceramic Building, 22-17, 2-Chome, Hyakunincho, Shinjuku-ku, Tokyo, Japan

Bull. JSME (Japan) (1968—)
Coden: BJSEA8 ISSN 0021-3764
Bulletin of the Japan Society of Mechanical Engineers Sanshin Hokusei Building, 4-9, Yoyogi 2-Chome, Shibuya-Ku, Tokyo 151, Japan

Bull. Kyushu Inst. Technol. (Sci. & Technol.) (Japan) (no.23 June 1971—)
Coden: KKDKAN ISSN 0453-0357
Bulletin of the Kyushu Institute of Technology (Science and Technology) Tobata, Japan

Bull. Kyushu Inst. Technol. Math. Nat. Sci. (Japan) (1968—)
Coden: BKTMAA ISSN 0454-8221
Bulletin of the Kyushu Institute of Technology (Mathematics, Natural Science) Tobato, Kitakyushu, Japan

Bull. Mater. Sci. (India) (vol.1, no.1 May 1979—)
Coden: BUMSDW ISSN 0250-6327
Bulletin of Materials Science Indian Academy of Sciences, P.B. No. 8005, Bangalore 560 080, India

Bull. Math. Biol. (GB) (vol.36, no.1 Feb. 1974—)
Coden: BMTBAP ISSN 0092-8240
Bulletin of Mathematical Biology Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Bull. Mech. Eng. Lab. (Japan) (no.1 1972—)
Coden: BMEGAX ISSN 0374-2725
Bulletin of Mechanical Engineering Laboratory 12-1 Igusa 4-chome, Suginami-ku, Tokyo, Japan

Bull. Med. Libr. Assoc. (USA) (vol.70, no.1 Jan. 1982—)
Coden: BMLAAG ISSN 0025-7338
Bulletin of the Medical Library Association 919 N. Michigan Avenue, Chicago, IL 60611, USA

Bull. Mineral. (France) (vol.102, no.2-3 1979—)
Coden: BULMD9 ISSN 0180-9210
Bulletin de Mineralogie Formerly: Bull. Soc. Fr. Mineral. & Crystallogr. (France)
Masson, 120 Boulevard Saint-Germain, 75280 Paris Cedex 06, France

Bull. Nagoya Inst. Technol. (Japan) (vol.19 1967—)
Coden: NADGA8 ISSN 0369-3171
Bulletin of Nagoya Institute of Technology Nagoya, Japan

Bull. Natl. Inst. Sci. India (1968—)
Coden: BNSIAE
Bulletin of the National Institute of Sciences of India Title changed to: Bull. Indian Natl. Sci. Acad.

Bull. NRLM (Japan) (vol.33, no.2 1984—)
Coden: KKYHAH ISSN 0368-6051
Bulletin of NRLM National Research Laboratory of Metrology, AIST, 1-1-4 Umezono, Sakura-mura, Niihari-gun, Ibaraki 305, Japan

Bull. Oper. Res. Soc. Am. (USA) (1968—)
Coden: ORSBAS
Bulletin of the Operations Research Society of America Title changed to: TIMS/ORSA Bull. (USA)

Bull. Pol. Acad. Sci. Tech. Sci. (Poland) (vol.31, no.1-12 1983—)
ISSN 0001-4125
Bulletin of the Polish Academy of Sciences, Technical Sciences Formerly: Bull. Acad. Pol. Sci. Ser. Sci. Tech. (Poland)
Palac Kultury i Nauki, P.O.Box 20, 00-901 Warszawa, Poland

Bull. Res. Inst. Appl. Electr. (Japan) (vol.20, no.1-2 June 1968—)
Coden: ODKIAD ISSN 0030-7726
Bulletin of the Research Institute of Applied Electricity The Research Institute of Applied Electricity, Hokkaido University, North 12 Street, West 6 Avenue, Kitaku, Sapporo City, Japan

Bull. Res. Inst. Electron. Shizuoka Univ. (Japan) (vol.18, no.2 1983—)
Coden: SDDHDM
Bulletin of the Research Institute of Electronics, Shizuoka University 3-5-1 Johoku, Hamamatsu, Shizuoka 432, Japan

Bull. Res. Inst. Sci. Meas. Tohoku Univ. (Japan) (vol.21, no.1 1972—)
Coden: TDKKA6 ISSN 0040-8689
Bulletin of the Research Institute for Scientific Measurements, Tohoku University Sendai, Japan

Bull. Res. Lab. Nucl. React. (Japan) (vol.1 1976—)
Coden: BRLTD9 ISSN 0387-6144
Bulletin of the Research Laboratory for Nuclear Reactors Tokyo Institute of Technology Oh-okayana, Meguro-ku, Tokyo, Japan

Bull. Res. Lab. Precis. Mach. & Electron. (Japan) (no.37 March 1976—)
Coden: BLPTDL ISSN 0385-7832
Bulletin of Research Laboratory of Precision Machinery and Electronics Formerly: Bull. Tokyo Inst. Technol. (Japan)
Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama, Japan

Bull. Sci. Assoc. Ing. Electr. Inst. Electrotech. Montefiore (Belgium) (1968—)
Coden: BURMA2
Bulletin Scientifique de l'Association des Ingenieurs Electriciens sortis de l'Institut Electrotechnique Montefiore 31 Rue Saint Gilles, 4000 Liege, Belgium

Bull. Seismol. Soc. Am. (USA) (1968—)
Coden: BSSAAP ISSN 0037-1106
Bulletin of the Seismological Society of America Seismological Society of America, 2620 Telegraph Avenue, Berkeley, CA 94704, USA

Bull. Soc. Fr. Ceram. (France) (no.94 Jan.-March 1972—)
Coden: BFCEA2
Bulletin de la Societe Francaise de Ceramique Title changed to: Ind. Ceram. (France)

Bull. Soc. Fr. Mineral. & Crystallogr. (France) (1968—)
Coden: BUFCAE
Bulletin de la Societe Francaise de Mineralogie et de Cristallographie Title changed to: Bull. Mineral. (France)

Bull. Soc. Fr. Photogramm. & Teledetect. (France) (no.77 1980—)
Coden: BSFTDK ISSN 0244-6014
Bulletin Societe Francaise de Photogrammetrie et de Teledetection 2 Avenue Pasteur, 94160 Saint-Mande, France

Bull. Soc. R. Sci. Liege (Belgium) (1968—)
Coden: BSRSA6 ISSN 0037-9565
Bulletin de la Societe Royale des Sciences de Liege L'Universite, 15 Avenue des Tilleurs, Liege, Belgium

Bull. Soc. Sci. Bretagne (France) (vol.52, no.1-4 1977-1980—)
Coden: BSSBAS ISSN 0037-9581
Bulletin de la Societe Scientifique de Bretagne Universite de Rennes I, Campus Universitaire de Beaulieu, 35042 Rennes Cedex, France

Bull. Spec. Astrophys. Obs.-North Caucasus (USA) (vol.10 1978—)
Coden: BSACDC
Bulletin of the Special Astrophysical Observatory-North Caucasus [Translation of: *Astrofiz. Issled.-Izv. Spets. Astrofiz. Obs. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Bull. Tech. PTT
See: Tech. Mitt. PTT (Switzerland)

Bull. Tech. Univ. Istanbul (Turkey) (1968—)
Coden: ITEKAZ ISSN 0368-0355
Bulletin of the Technical University of Istanbul (Istanbul Teknik Universitesi Bulteni) Taskisla, Istanbul, Turkey

Bull. Tech. Vevey (Switzerland) (1968—)
Coden: BTVVA8 ISSN 0379-1270
Bulletin Technique Vevey Ateliers de Constructions Mecaniques de Vevey SA, Vevey, Switzerland

Bull. Tokyo Gakugei Univ. Ser. IV (Japan) (vol.21 July 1969—)
Coden: TGDSBH ISSN 0371-6813
Bulletin of Tokyo Gakugei University. Series IV (Mathematics and Natural Sciences) 4-1-1 Nukui-kita-machi, Koganei, Tokyo, Japan

Bull. Tokyo Inst. Technol. (Japan) (no.96 1970—)
Coden: BTITA5
Bulletin of Tokyo Institute of Technology Title changed to: Bull. Res. Lab. Precis. Mach. & Electron. (Japan)

Bull. Univ. Osaka Prefect. Ser. A (Japan) (vol.17, no.1 1968—)
Coden: BSKAAJ ISSN 0474-7844
Bulletin of University of Osaka Prefecture, Series A University of Osaka Prefecture, Mozu, Sakai, Osaka, Japan

Bull. Yamagata Univ. (Eng.) (Japan) (vol.10, no.2 March 1969—)
Coden: YDKKAR ISSN 0085-834X
Bulletin of the Yamagata University (Engineering) Yamagata, Japan

Bull. Yamagata Univ. (Nat. Sci.) (Japan) (vol.8, no.3 March 1974—)
Coden: BUYUAR ISSN 0513-4692
Bulletin of the Yamagata University (Natural Science) Yamagata, Japan

Bunko Kenkyu
See: J. Spectrosc. Soc. Jpn. (Japan)

Bur. Miner. Resour. J. Aust. Geol. & Geophys.
See: BMR J. Aust. Geol. & Geophys. (Australia)

Bus. & Tech. Manage. (GB) (vol.1, no.2 1984—)
ISSN 0264-276X
Business and Technical Management Institute of Business and Technical Management, 14 Hamilton Terrace, Royal Leamington Spa, Warwicks. CV32 4LZ, England

Bus. Adm. (GB) (Nov. 1972—)
Coden: BUSAB6
Business Administration Title changed to: Chief Executive Mon. (GB)

Bus. Commun. Rev. (USA) (vol.14, no.1 Jan.-Feb. 1984—)
Coden: BCORBD ISSN 0162-3885
Business Communications Review 950 York Road, Hinsdale, IL 60521, USA

Bus. Comput. & Commun. (GB) (Nov. 1983—)
Coden: BCCOEF ISSN 0265-1564
Business Computing & Communications Morgan-Grampian plc, Calderwood Street, London SE18 6QH, England

Bus. Equip. Dig. (GB) (vol.23, no.4 April 1983—)
Coden: BEQDAS ISSN 0007-6708
Business Equipment Digest BED Business Journals Ltd., 44 Wallington Square, Wallington, Surrey SM6 8RG, England

Bus. Horizons (USA) (vol.26, no.4 July-Aug. 1983—)
Coden: BHORAD ISSN 0007-6813
Business Horizons School of Business, Indiana University, Bloomington, IN 47405, USA

Bus. Inf. Technol. (GB) (no.2 Sept. 1981—)
Coden: BITED9 ISSN 0263-175X
Business Information Technology Business Publications Ltd., 109-119 Waterloo Road, London SE1 8UL, England

Bus. Mark. (USA) (Sept. 1983—)
Coden: BUMAED ISSN 0745-5933
Business Marketing Formerly: Ind. Mark. (USA)
Crain Communications Inc., 740 Rush Street, Chicago, IL 60611, USA

Bus. Q. (Canada) (vol.47, no.1 May 1982—)
Coden: BUQUAL ISSN 0007-6996
Business Quarterly School of Business Administration, University of Western Ontario, London, Ont. N6A 5B9, Canada

Bus. Syst. & Equip. (GB) (June 1972—)
Coden: BSEQA3 ISSN 0007-7097
Business Systems and Equipment Formerly: Bus. Syst. (GB)
Maclean-Hunter Ltd., 76 Oxford Street, London, W1N 9FD, England

Bus. Syst. (GB) (Dec. 1971—)
Coden: BSSYBU
Business Systems (GB) Title changed to: Bus. Syst. & Equip. (GB)

Business (USA) (vol.31, no.6 Nov.-Dec. 1981—)
Coden: BUSIDW ISSN 0163-531X
Business College of Business Administration, Georgia State University, Univeristy Plaza, Atlanta, GA 30303, USA

†**BYTE (USA)** (vol.2, no.7 July 1977—)
Coden: BYTEDJ ISSN 0360-5280
BYTE BYTE Publications Inc., 70 Main Street, Peterborough, NH 03458, USA

Byull. Inst. Teor. Astron. Akad. Nauk SSSR (vol.12, no.9(142) 1971—)
Coden: BTASAU ISSN 0002-3302
Byulleten' Instituta Teoreticheskoi Astronomii Akademiya Nauk SSSR Leningradskoe Otdelenie Izdatelstva Nauka, Leningrad V-164, Mendeleevskaya Lin. D. 1, USSR

C.R. Acad. Bulg. Sci. (Bulgaria) (1968—)
Coden: CRABAA ISSN 0366-8681
Comptes Rendus de l'Academie Bulgare des Sciences Sofiya, Bulgaria

C.R. Acad. Sci. Ser. Gen. Vie Sci. (France) (vol.1, no.2 Feb.-March 1984—)
Coden: CRAGET
Comptes Rendus de l'Academie des Sciences, Serie Generale, la Vie des Sciences Gauthier-Villars, C.D.R., Centrale des Revues, 11 rue Gossin, 92543 Montrouge Cedex, France

† indicates a journal abstracted completely

C.R. Acad. Sci. Ser. I (France) (vol.298, no.14 14 April 1984—)
Coden: CASMEI ISSN 0249-6321
Comptes Rendus de l'Academie des Sciences, Serie I (Mathematique) Formerly: C.R. Seances Acad. Sci. Ser. I (France)
Gauthier-Villars, C.D.R., Centre des Revues, 11 rue Gossin, 92543 Montrouge Cedex, France

C.R. Acad. Sci. Ser. II (France) (vol.298, no.14 14 April 1984—)
Coden: CRAMED ISSN 0249-6305
Comptes Rendus de l'Academie des Sciences, Serie II (Mecanique, Physique, Chimie, Sciences de l'Univers, Sciences de la Terre) Formerly: C.R. Seances Acad. Sci. Ser. II (France)
Gauthier-Villars, C.D.R., Centrale des Revues, 11 rue Gossin, 92543 Montrouge Cedex, France

C.R. Hebd. Seances Acad. Sci. Ser. A (France) (1968—)
Coden: CHASAP
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Serie A (Science Mathematiques) Title changed to: C.R. Seances Acad. Sci. Ser. I (France)

C.R. Hebd. Seances Acad. Sci. Ser. B (France) (1968—)
Coden: CHDBAN ISSN 0151-0509
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Serie B (Sciences Physiques) Merged with C.R. Hebd. Seances Acad. Sci. Ser. C (France) to form C.R. Seances Acad. Sci. Ser. II (France)

C.R. Hebd. Seances Acad. Sci. Ser. C (France) (vol.270, no.1 5 Jan. 1970—)
Coden: CHDCAQ
Comptes Rendus Hebdomadaires des Seances de l'Academie de Sciences, Serie C (Sciences Chimiques) Merged with C.R. Hebd. Seances Acad. Sci. Ser. B (France) to form C.R. Seances Acad. Sci. Ser. II (France)

C.R. Seances Acad. Sci. Ser. I (France) (vol.292, no.2 12 Jan. 1981—)
Coden: CRSMDY ISSN 0249-6321
Comptes Rendus de Seances de l'Academie des Sciences, Serie I, Mathematique Formerly: C.R. Hebd. Seances Acad. Sci. Ser. A (France) Title changed to: C.R. Acad. Sci. Ser. I (France)

C.R. Seances Acad. Sci. Ser. II (France) (vol.292, no.2 12 Jan. 1981—)
Coden: CRSUDO ISSN 0249-6305
Comptes Rendus des Seances de l'Academie des Sciences, Serie II, Mecanique-Physique, Chimie, Sciences de la Terre, Sciences de l'Universe Title changed to: C.R. Acad. Sci. Ser. II (France)

C.S.N.D.T. J. (Canada) (vol.5, no.5 Feb. 1984—)
Coden: CSNJD7
C.S.N.D.T. Journal Canadian Society for Nondestructive Testing Inc., c/o Mohawk College of Applied Arts & Technology, 135 Fennell Avenue West, Hamilton, Ont. L8N 3T2, Canada

CA Mag. (Canada) (vol.105, no.2 Aug. 1974—)
Coden: CAMADJ ISSN 0317-6878
CA Magazine Formerly: Can. Chart. Account. (Canada)
Canadian Institute of Chartered Accountants, 250 Bloor Street East, Toronto, M4W 1G5, Canada

Cable & Satell. Eur. (GB) (no.4 April 1984—)
Coden: CSEUEU ISSN 0265-6973
Cable & Satellite Europe Cable & Satellite Magazine Ltd., 533 Kings Road, London SW10 0TZ, England

†Cable Telev. Eng. (GB) (vol.10, no.1 Jan. 1973—)
Coden: CTEVB3
Cable Television Engineering Formerly: Relay Eng. (GB)
Society of Cable Television Engineers, 10 Avenue Road, Dorridge, Solihull, Warwickshire, England

Cables & Transm. (France) (1968—)
Coden: CTRAA4
Cables et Transmission Merged with Commutat. & Electron. (France) to form Commutat. & Transm. (France)

CAD/CAM Dig. (GB) (vol.3, no.5 March-April 1981—)
Coden: CCDGD6 ISSN 0263-6190
CAD/CAM Digest CAD/CAM Publications Ltd., 170A Park Road, Peterborough, England

CAD/CAM Technol. (USA) (vol.3, no.1 Spring 1984—)
Coden: CCTYD4 ISSN 0737-660X
CAD/CAM Technology Computer and Automated Systems Association of the Society of Manufacturing Engineers, One SME Drive, P.O.Box 930, Dearborn, MI 48121, USA

CadCam Int. (GB) (vol.3, no.9 Sept. 1984—)
ISSN 0261-6920
CadCam International EMAP Business & Computer Publications Ltd., 67 Clerkenwell Road, London EC1R 5BH, England

CAE J. (Germany) (no.1 1983—)
Coden: CAJOED ISSN 0724-9985
CAE Journal Dr. Alfred Huthig Verlag GmbH, Im Weiher 10, Postfach 10 28 69, 6900 Heidelberg 1, Germany

†Cah. Cent. Etud. Rech. Oper. (Belgium) (vol.20, no.1 1978—)
Coden: CCROAT ISSN 0008-9737
Cahiers du Centre d'Etudes de Recherche Operationelle c/o Institut de Statistique de l'U.L.B., C.P. 210, Boulevard du Triomphe, 1050 Bruxelles, Belgium

Cah. Groupe Fr. Rheol. (France) (vol.2, no.3 Sept. 1970—)
Coden: GFRCAO
Cahiers de Groupe Francais de Rheologie 68, Bd. St-Michel, 75006 Paris, France

Calcolo (Italy) (vol.10, no.1 Jan.-March 1973—)
Coden: CALOBK ISSN 0008-0624
Calcolo Istituto di Elaborazione della Informazione del CNR, Via S. Maria 46, 56100 Pisa, Italy

Calitatea Prod. & Metrol. (Rumania) (vol.3(20), no.7 July 1973—)
Coden: CLPMA8
Calitatea Productiei si Metrologie Title changed to: Metrol. Apl. (Rumania)

Call-A.P.P.L.E. (USA) (vol.7, no.10 Oct. 1984—)
Coden: CAAPD4
Call-A.P.P.L.E Apple Puget Sound Program Library Exchange, 21246 68th Avenue South, Kent, WA 98032, USA

CALPHAD: Comput. Coupling Phase Diagrams & Thermochem. (GB) (vol.1, no.1 1977—)
Coden: CCCTD6 ISSN 0364-5916
CALPHAD: Computer Coupling of Phase Diagrams and Thermochemistry Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Cambridge Philos. Soc. Math. Proc.
See: Math. Proc. Cambridge Philos. Soc. (GB)

Can. Acoust./Acoust. Can. (Canada) (vol.10, no.1 Jan. 1982—)
Coden: CAACDX ISSN 0711-6659
Canadian Acoustics/Acoustique Canadienne Formerly: Acoust. & Noise Control Can. (Canada)
Canadian Acoustical Association, P.O.Box 3651, Station 'C', Ottawa, Ont. K1Y 4J7, Canada

Can. Aeronaut. & Space J. (Canada) (vol.17, no.7 Sept. 1971—)
Coden: CSPJAE ISSN 0008-2821
Canadian Aeronautics and Space Journal Canadian Aeronautics and Space Institute, Saxe Building, 60-75 Sparks Street, Ottawa, Ontario K1P 5A5, Canada

Can. Bus. (Canada) (vol.56, no.6 June 1983—)
Coden: CABUAL ISSN 0008-3100
Canadian Business CB Media Ltd., 70 The Esplanade, 2nd Floor, Toronto, Ont. M5E 1R2, Canada

Can. Chart. Account. (Canada) (vol.100, no.3 March 1972—)
Coden: CCHAA5
Canadian Chartered Accountant Title changed to: CA Mag. (Canada)

Can. Controls & Instrum. (Canada) (vol.22, no.5 Sept. 1983—)
Coden: CCISAU ISSN 0008-3283
Canadian Controls and Instrumentation Formerly: Can. Controls & Instrum. (Canada)
Maclean Hunter Ltd., 777 Bay Street, Toronto, Ont. M5W 1A7, Canada

Can. Controls & Instrum. (Canada) (vol.7, no.10 Oct. 1968—)
Coden: CCOIDX ISSN 0705-3193
Canadian Controls and Instruments Title changed to: Can. Controls & Instrum. (Canada)

Can. Datasyst. (Canada) (vol.3, no.11 Nov. 1971—)
Coden: CNDSAE ISSN 0008-3364
Canadian Datasystems Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

†Can. Electr. Eng. J. (Canada) (vol.3, no.1 Jan. 1978—)
Coden: CEEJDY ISSN 0700-9216
Canadian Electrical Engineering Journal Engineering Institute of Canada, Suite 700, EIC Building, 2050 Mansfield Street, Montreal, Canada

Can. Electron. Eng. (Canada) (vol.12, no.12 Dec. 1968—)
Coden: CAEEAM ISSN 0008-3461
Canadian Electronics Engineering Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Can. Inf. Process Soc. Rev.
See: CIPS Rev. (Canada)

Can. Inst. Min. Bull.
See: CIM Bull. (Canada)

Can. J. Chem. (Canada) (1968—)
Coden: CJCHAG ISSN 0008-4042
Canadian Journal of Chemistry National Research Council of Canada, Ottawa KIA OR6, Canada

Can. J. Chem. Eng. (Canada) (vol.49, no.5 Oct. 1971—)
Coden: CJCEA7 ISSN 0008-4034
Canadian Journal of Chemical Engineering Canadian Society for Chemical Engineering, 151 Slater Street, Ottawa, Ontario, K1P 5H3, Canada

Can. J. Commun. (Canada) (vol.10, no.1 Winter 1983—)
Coden: CJCOE7 ISSN 0705-3657
Canadian Journal of Communication Canadian Communication Association. Editorial adddress: St. Thomas More College, 1437 College Drive, Saskatoon, Sask. S7N 0W6, Canada

Can. J. Earth Sci. (Canada) (vol.7, no.3 June 1970—)
Coden: CJESAP ISSN 0008-4077
Canadian Journal of Earth Sciences National Research Council of Canada, Ottawa KIA OR6, Canada

Can. J. Inf. Sci. (Canada) (vol.1, no.1 1976—)
Coden: CJISDE ISSN 0380-9218
Canadian Journal of Information Science Canadian Association of Information Science, Box 158, Terminal A, Ottawa, Ontario, K1N 8V2, Canada

Can. J. Oper. Res. & Inf. Process.
See: INFOR (Canada)

†Can. J. Phys. (Canada) (1968—)
Coden: CJPHAD ISSN 0008-4204
Canadian Journal of Physics National Research Council of Canada, Ottawa KIA OR6, Canada

Can. J. Remote Sensing (Canada) (vol.4, no.2 Aug. 1978—)
Coden: CJRSDP ISSN 0008-2821
Canadian Journal of Remote Sensing Canadian Aeronautics and Space Institute, Saxe Building, 60-75 Sparks Street, Ottawa K1P 5A5, Canada

Can. J. Spectrosc. (Canada) (vol.17, no.1 Jan. 1972—)
Coden: CJSPAI ISSN 0045-5105
Canadian Journal of Spectroscopy Formerly: Can. Spectrosc. (Canada)
Multiscience Publications Ltd., 1253 McGill College, Suite 175, Montreal, Quebec H3B 2Y5, Canada

Can. Libr. J. (Canada) (vol.38, no.6 Dec. 1981—)
Coden: CLIJBX ISSN 0008-4352
Canadian Library Journal Canadian Library Association, 151 Sparks Street, Ottawa, Ont. K1P 5E3, Canada

Can. Oper. Res. Soc. J. (Canada) (vol.6, no.2 July 1968—)
Coden: JCORAW
Canadian Operational Research Society Journal Title changed to: INFOR (Canada)

Can. Pulp & Pap. Assoc. Tech. Sect. Trans.
See: Trans. Tech. Sect. Can. Pulp & Pap. Assoc. (Canada)

Can. Spectrosc. (Canada) (vol.16, no.1 Jan. 1971—)
Coden: CASPAN
Canadian Spectroscopy Title changed to: Can. J. Spectrosc. (Canada)

Carbon (GB) (1968—)
Coden: CRBNAH ISSN 0008-6223
Carbon Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Cat. & Classif. Q. (USA) (vol.2, no.3-4 1982—)
Coden: CCQUDB ISSN 0163-9374
Cataloging & Classification Quarterly Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Cathode Press (USA) (1968—)
Coden: CTPRAB ISSN 0008-7882
Cathode Press Machlett Labs. Inc., 42 Camp Avenue, Springdale, CT 06879, USA

CBM/PET News (Switzerland) (vol.2, no.4 1981—)
Coden: CPNSDD ISSN 0251-2017
CBM/PET News Merged into Mikro- & Kleincomput. (Switzerland)

CEGB Dig. (GB) (vol.23, no.6 June 1971—)
Coden: CEGDAN ISSN 0374-2792
CEGB Digest Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1 7AU, England

CEGB Res. (GB) (no.1 Dec. 1974—)
Coden: CEREDG ISSN 0305-7194
CEGB Research Central Electricity Generating Board, Courtenay House, 18 Warwick Lane, London, EC4P 4EB, England

CEGB Tech. Disclosure Bull. (GB) (no.163 Oct. 1970—)
Coden: CETDAK ISSN 0374-2784
CEGB Technical Disclosure Bulletin Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1 7AU, England

Celestial Mech. (Netherlands) (vol.1, no.2 Oct. 1969—)
Coden: CLMCAV ISSN 0008-8714
Celestial Mechanics D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

Cent. Electr. Generating Board Dig.
See: CEGB Dig. (GB)

Cent. Electr. Generating Board Res.
See: CEGB Res. (GB)

Cent. Electr. Generating Board Tech. Disclosure Bull.
See: CEGB Tech. Disclosure Bull. (GB)

Cent. Sci. Instrum. Org. Commun.
See: CSIO Commun. (India)

Cent. Studi & Lab. Telecomun. Rapp. Tec.
See: CSELT Rapp. Tec. (Italy)

CEP (Chem. Eng. Prog.) (USA) (vol.73, no.4 April 1977—)
Coden: CEPRA8 ISSN 0360-7275
CEP (Chemical Engineering Progress) Formerly: Chem. Eng. Prog. (USA)
American Institute of Chemical Engineers, 347 East 47th Street, New York, NY 10017, USA

Ceram. Int. (Italy) (vol.7, no.1 1981—)
Coden: CINNDH ISSN 0272-8842
Ceramics International Formerly: Ceramurgia Int. (GB)
Ceramurgica s.r.l., Corso Mazzini 54/3, I-48018 Faenza, Italy

Ceramurgia Int. (GB) (vol.4, no.2 April-June 1978—)
Coden: CEINDW
Ceramurgia International Title changed to: Ceram. Int. (Italy)

Cerberus Alarm (Switzerland) (Feb. 1972—)
Coden: CBALAU ISSN 0528-5984
Cerberus Alarm Cerberus Ltd., CH-8708 Mannedorf, Switzerland

Cerberus Electron. (Switzerland) (no.35 Feb. 1973—)
Coden: CRELBR ISSN 0304-5897
Cerberus Electronic Cerberus Ltd., CH 8708 Mannedorf, Switzerland

CERN Cour. (Switzerland) (vol.21, no.7 Sept. 1981—)
Coden: CECOA2 ISSN 0304-288X
CERN Courier European Organization for Nuclear Research, CERN, 1211 Geneva 23, Switzerland

Certif. Eng. (S. Africa) (vol.42, no.7 July 1969—)
Coden: CEENA9 ISSN 0009-0409
Certificated Engineer Institution of Certificated Mechanical & Electrical Engineers SA, P.O. Box 61019, Marshalltown, Transvaal, S. Africa

Cesk. Cas. Fyz. Sekce A (Czechoslovakia) (1968—)
Coden: CKCFAH ISSN 0009-0700
Ceskoslovensky Casopis pro Fyziku, Sekce A Academia Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Cesk. Inf. Teor. & Praxe (Czechoslovakia) (vol.14, no.1 1972—)
Coden: CITPBH ISSN 0322-8509
Ceskoslovenska Informatika, Teorie a Praxe Editorial address: 11357 Praha 1, Konviktska 5, Czechoslovakia

CFI-Ceram. Forum Int. Ber. Dtsch. Keram. Ges. (Germany) (vol.57, no.9-10 Sept.-Oct. 1980—)
Coden: CCFDD7 ISSN 0173-9913
CFI-Ceramic Forum International-Berichte der Deutschen Keramischen Gesellschaft Formerly: Ber. Dtsch. Keram. Ges. (Germany)
Bauverlag GmbH, Postfach 1460, Wittelsbacherstrasse 10, D-6200 Wiesbaden, Germany

Chart. Inst. Build. Serv. J.
See: J. Chart. Inst. Build. Serv. (GB)

Chart. Mech. Eng. (GB) (1968—)
Coden: CHMGAF ISSN 0306-9532
The Chartered Mechanical Engineer Institution of Mechanical Engineers, P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England

Chem. & Process Eng. (GB) (1968—)
Coden: CPENAI
Chemical and Process Engineering From 1972 incorporated with Process Eng. (GB)

Chem. Biomed. & Environ. Instrum. (USA) (vol.9, no.1 1979—)
Coden: CBEIDA ISSN 0190-4094
Chemical, Biomedical, and Environmental Instrumentation Formerly: Chem. Instrum. (USA) Title changed to: Anal. Instrum. (USA)

Chem. Eng. (GB) (1968—)
Coden: CMERA9 ISSN 0302-0797
Chemical Engineer Institution of Chemical Engineers, 15 Belgrave Square, London, SW1X 8PT, England

Chem. Eng. (USA) (1968—)
Coden: CHEEA3 ISSN 0009-2460
Chemical Engineering McGraw-Hill Inc., McGraw-Hill Building, 1221 Avenue of the Americas, New York, NY 10020, USA

Chem. Eng. Aust. (Australia) (vol.ChE 3 1978—)
Coden: CEAUDD ISSN 0157-9762
Chemical Engineering in Australia Formerly: Inst. Eng. Aust. Chem. Eng. Aust. (Australia)
Institution of Engineers, Australia, College of Chemical Engineers, 11 National Circuit, Barton ACT, Australia

Chem. Eng. J. (Switzerland) (vol.3, no.1 Feb. 1972—)
Coden: CMEJAJ ISSN 0300-9467
Chemical Engineering Journal Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Chem. Eng. Prog.
See: CEP (Chem. Eng. Prog.) (USA)

Chem. Eng. Prog. (USA) (1968—)
Coden: CEPRA8
Chemical Engineering Progress Title changed to: CEP (Chem. Eng. Prog.) (USA)

Chem. Eng. Res. & Des. (GB) (vol.61, no.1 Jan. 1983—)
Coden: CERDEE ISSN 0263-8762
Chemical Engineering Research & Design Formerly: Trans. Inst. Chem. Eng. (GB)
Institution of Chemical Engineers, George E. Davis Building, 165-171 Railway Terrace, Rugby CV21 3HQ, England

Chem. Eng. Sci. (GB) (1968—)
Coden: CESCAC ISSN 0009-2509
Chemical Engineering Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Chem. Ing. Tech. (Germany) (vol.43, no.14 July 1971—)
Coden: CITEAH ISSN 0009-286X
Chemie Ingenieur Technik Verlag Chemie GmbH, D-6940 Weinheim, Postfach 1260/1280, Pappelallee 3, Germany

Chem. Instrum. (USA) (vol.3, no.1 1971—)
Coden: CHINBH
Chemical Instrumentation Title changed to: Chem. Biomed. & Environ. Instrum. (USA)

†**Chem. Phys. (Netherlands)** (vol.1, no.1 Jan.-Feb. 1973—)
Coden: CMPHC2 ISSN 0301-0104
Chemical Physics North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†**Chem. Phys. Lett. (Netherlands)** (1968—)
Coden: CHPLBC ISSN 0009-2614
Chemical Physics Letters North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Chem. Prod. (Germany) (vol.13, no.3 March 1984—)
Coden: CHPRDW ISSN 0170-0456
Chemische Produktion Europa-Fachpresse-Verlag GmbH, Leopoldstrasse 175, Postfach 40 05 80, D-8000 Munchen 40, Germany

Chem. Scr. (Sweden) (vol.1, no.1 1971—)
Coden: CSRPB9 ISSN 0004-2056
Chemica Scripta Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden

Chem. Tech. (Germany) (1968—)
Coden: CHTEAA ISSN 0045-6519
Chemische Technik VEB Deutscher Verlag fur Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany

Chem. Technol. (USA) (Jan. 1971—)
Coden: CHMTBL
Chemical Technology Title changed to: Chemtech (USA)

Chemoautomatyka (Poland) (no.7 1983—)
Coden: CMAUAW ISSN 0209-1267
Chemoautomatyka Issued with: *Pomiary Autom. Kontrola (Poland)*

Chemtech (USA) (vol.7, no.12 Dec. 1977—)
Coden: CHTEDD ISSN 0009-2703
Chemtech Formerly: Chem. Technol. (USA)
American Chemical Society, 1115 Sixteenth Street, N.W., Washington, DC 20036, USA

Chiba Daigaku Kogakubu Kenkyu Hokoku
See: J. Fac. Eng. Chiba Univ. (Japan)

Chiba Univ. Fac. Eng. J.
See: J. Fac. Eng. Chiba Univ. (Japan)

Chief Executive (GB) (June 1978—)
Coden: CHEXDT ISSN 0140-8453
Chief Executive Formerly: Chief Executive Mon. (GB)
Morgan-Grampian Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England

Chief Executive Mon. (GB) (Nov. 1977—)
Coden: CEMODL
Chief Executive Monthly Formerly: Bus. Adm. (GB) Title changed to: Chief Executive (GB)

Chin. Inst. Eng. J.
See: J. Chin. Inst. Eng. (Taiwan)

†**Chin. J. Comput. (China)** (vol.4, no.1 1981—)
Coden: JIXUDT ISSN 0254-4164
Chinese Journal of Computers Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Chin. J. Infrared Res. (China) (vol.3, no.2 1984—)
Coden: HOYADS
Chinese Journal of Infrared Research Distribution address: China International Book Trading Corp., Guoji Shudian, P.O.Box 2820, Beijing, People's Republic of China

Chin. J. Lasers (China) (vol.10, no.1 20 Jan. 1983—)
Coden: ZHJIDO
Chinese Journal of Lasers Formerly: Laser J. (China)
Shanghai Scientific & Technical Publishers. Subscription address: Guozi Shudian, P.O.Box 640, Beijing, People's Republic of China

Chin. J. Mech. Eng. (China) (vol.17, no.1 1981—)
Coden: CHHKA2
Chinese Journal of Mechanical Engineering Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Chin. J. Nucl. Phys. (USA) (vol.4, no.1 1982—)
Coden: YTHLDS ISSN 0253-3790
Chinese Journal of Nuclear Physics Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

†**Chin. J. Phys. (Taiwan)** (1968—)
Coden: CJOPAW ISSN 0577-9073
Chinese Journal of Physics Physical Society of the Republic of China, Physics Department, National Taiwan University, Taipei, Taiwan, Republic of China

Chin. J. Sci. Instrum. (China) (vol.2, no.1 Feb. 1981—)
Coden: YYXUDY ISSN 0254-3087
Chinese Journal of Scientific Instruments Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Chin. J. Semicond. (China) (vol.1, no.1 Feb. 1980—)
Coden: PTTPDZ ISSN 0253-4177
Chinese Journal of Semiconductors Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Chin. J. Space Sci. (China) (vol.4, no.3 1984—)
Coden: KKXUDK
Chinese Journal of Space Science Subscription address: China International Book Trading Corp., Guozi Shudian, P.O.Box 2820, Beijing, People's Republic of China

† indicates a journal abstracted completely

†Chin. Phys. (USA) (vol.1, no.1 1981—)
Coden: CHPHD2 ISSN 0273-429X
Chinese Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Contains selected translations from current issues of major Chinese physics and astronomy journals

Chip (Germany) (no.5 May 1979—)
Coden: CHIPDP ISSN 0170-6632
Chip Vogel-Verlag, Schillerstrasse 23a, D-8000 Munchen 2, Germany

Chishitsu Kogaku
See: Geotechnics (Japan)

Chittagong Univ. Stud. Part II (Bangladesh) (vol.7, no.1 1983—)
Coden: CUSCDP
Chittagong University Studies, Part II (Science) Chittagong, Bangladesh

Christ. Libr. (USA) (vol.25, no.1 Nov. 1981—)
Coden: CHLIDJ ISSN 0412-3131
Christian Librarian Association of Christian Librarians, St. Paul Bible College, Bible College, MN 55375, USA

Chubu Inst. Technol. Mem.
See: Mem. Chubu Inst. Technol. (Japan)

Chubu Kogyo Daigaku Kiyo
See: Mem. Chubu Inst. Technol. (Japan)

Ci News (Italy) (vol.1, no.1 March 1981—)
Coden: CINWDA ISSN 0392-2960
Ci News Issued with: *Ceram. Int. (Italy)*

CIE J. (France) (vol.2, no.1 July 1983—)
Coden: CIEJDS ISSN 0252-9246
CIE Journal Commission Internationale de l'Eclairage, Bureau Central, 52 Boulevard Malesherbes, 75008 Paris, France

Ciel & Espace (France) (vol.37, no.185 1982—)
Coden: CIESDL
Ciel et Espace Association Francaise d'Astronomie, 115 rue de Charenton, 75012 Paris, France

Ciel & Terre (Belgium) (vol.86, no.3 May-June 1970—)
Coden: CIELAV ISSN 0009-6709
Ciel et Terre Societe Belge d'Astronomie, de Meteorologie et de Physique du Globe, Avenue Circulaire 3, 1180 Bruxelles, Belgium

Cienc. Tec. Fis. & Mat. (Cuba) (no.2 1983—)
Coden: CTFMDH ISSN 0253-7397
Ciencias Tecnicas, Fisicas y Matematicas Editora de la Academia de Ciencias de Cuba, Industria No. 452, La Habana 2, Cuba

Ciencia (Mexico) (1968—)
Coden: CIENA3 ISSN 0185-075X
Ciencia Academia de la Investigacion Cientifica AC, Apartado Postal 69-692, Mexico 21, DF, Mexico

CIM Bull. (Canada) (vol.64, no.715 Nov. 1971—)
Coden: CIBUBA ISSN 0317-0926
Canadian Mining and Metallurgical Bulletin Canadian Institute of Mining and Metallurgy, 400 1130 Sherbrooke Street West, Montreal, Que. H3A 2M8, Canada

CIPS Rev. (Canada) (vol.3, no.4 Aug.-Sept. 1979—)
Coden: CIREDA ISSN 0701-8681
CIPS Review (Revue ACI) Canadian Information Processing Society, National Office, 243 College Street, 5th Floor, Toronto, Ontario M5T 2Y1, Canada

Circ. Electrotech. Lab. (Japan) (1968—)
Coden: DSCHAM ISSN 0366-9661
Circulars of the Electrotechnical Laboratory 1-1-4, Umezono, Sakuramura, Niihari-gun, Ibaraki, Japan

Circuit World (GB) (vol.1, no.2 Jan. 1975—)
Coden: CIWODV ISSN 0305-6120
Circuit World Wela Publications Ltd., 29 Barns Street, Ayr KA7 1XB, Scotland

Circuits Manuf. (USA) (vol.14, no.8 Aug. 1974—)
Coden: CMFGAF ISSN 0009-7306
Circuits Manufacturing Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA

Circuits Syst. & Signal Process. (USA) (vol.2, no.1 1983—)
Coden: CSSPEH ISSN 0278-081X
Circuits, Systems, and Signal Processing Birkhauser Boston Inc., 380 Green Street, Cambridge, MA 02139, USA

CIRP Ann. (Switzerland) (vol.29, no.2 1980—)
ISSN 0007-8506
CIRP Annals. (Annals of the International Institution for Production Engineering Research) Hallwag Publishers, CIRP, Nordring 4, CH-3001 Bern, Switzerland

†Classical & Quantum Gravity (GB) (vol.1, no.1 11 Jan. 1984—)
Coden: CQGRDG ISSN 0264-9381
Classical and Quantum Gravity Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

Clean Air (Australia) (vol.5, no.4 Nov. 1971—)
Coden: CLNABV ISSN 0009-8647
Clean Air Clean Air Society of Australia and New Zealand, Editorial address: 75 Downshire Road, Elsternwick, Victoria 3185, Australia. Subscription address: 151 Northern Road, Heidelberg, Victoria 3081

Clim. Change (Netherlands) (vol.1, no.1 March 1977—)
Coden: CLCHDX ISSN 0165-0009
Climatic Change D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

†Clin. Phys. & Physiol. Meas. (GB) (vol.1, no.1 Feb. 1980—)
Coden: CPPMD5 ISSN 0143-0815
Clinical Physics and Physiological Measurement Institute of Physics, Techno House, Redcliffe Way, Bristol BS1 6NX, England

CMC News (USA) (vol.4, no.3 Spring 1984—)
Coden: CMNWE5
CMC News 515 Oak Street North, Cannon Falls, MN 55009, USA

CoED (USA) (vol.1, no.5 Sept.-Oct. 1981—)
Coden: CWLJDP
CoED CoED National Office, Rte 301, Port Royal Square, Box 68, Port Royal, VA 22535, USA

Cogeneration (USA) (March 1984—)
Coden: COGEEW
Cogeneration Pequot Publishing. Editorial address: 214 Massachusetts Avenue, N.E., Suite 520, Washington, DC 20002, USA. Supersedes in part: Gas Turbine World & Cogeneration (USA)

Cognitive Psychol. (USA) (vol.2, no.3 July 1971—)
Coden: CGPSBQ ISSN 0010-0285
Cognitive Psychology Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Coll. Microcomput. (USA) (vol.1, no.1 Feb. 1983—)
Coden: CMICDL ISSN 0731-4213
Collegiate Microcomputer Rose-Hulman Institute of Technology, Terre Haute, IN 47803, USA

Collect. Phenom. (GB) (vol.1, no.1 Aug. 1972—)
Coden: CLPNAB ISSN 0095-7003
Collective Phenomena Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Colloid J. USSR (USA) (vol.34, no.1 Jan.-Feb. 1972—)
Coden: COJOA5 ISSN 0010-1303
Colloid Journal of the USSR [Translation of: *Kolloidn. Zh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Colloids & Surf. (Netherlands) (vol.1, no.1 Jan. 1980—)
Coden: COSUD3 ISSN 0166-6622
Colloids and Surfaces Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Color Res. & Appl. (USA) (vol.5, no.1 Spring 1980—)
Coden: CREADU ISSN 0361-2317
Color Research & Application John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

Colorado Sch. Mines Q.
See: Q. Colorado Sch. Mines (USA)

Combinatorica (Netherlands) (vol.1, no.1 1981—)
Coden: COMBDI ISSN 0209-9683
Combinatorica North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands. Akademiai Kiado, Budapest 1363, P.O.Box 64, Hungary

Combust. & Flame (USA) (1968—)
Coden: CBFMAO ISSN 0010-2180
Combustion and Flame (Quarterly Journal of the Combustion Institute) American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Combust. Explos. & Shock Waves (USA) (1968—)
Coden: CESWA4 ISSN 0010-5082
Combustion, Explosion and Shock Waves [Translation of: *Fiz. Goreniya & Vzryva (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Combust. Inst. Q. J.
See: Combust. & Flame (USA)

Commentat. Phys.-Math. (Finland) (1968—)
Coden: CPHMAU ISSN 0069-6609
Commentationes Physico-Mathematicae Societas Scientiarum Fennica, Snellmansgatan 9-11, 00170 Helsinki 17, Finland

Comments Astrophys. & Space Phys. (GB) (vol.2, no.2 March-April 1970—)
Coden: COASB7
Comments on Astrophysics and Space Physics Title changed to: Comments Astrophys. Comments Mod. Phys. Part C (GB)

Comments Astrophys. Comments Mod. Phys. Part C (GB) (vol.6, no.4 1976—)
Coden: COASD9 ISSN 0146-2970
Comments on Astrophysics. Comments on Modern Physics: Part C Formerly: Comments Astrophys. & Space Phys. (GB)
Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†Comments At. & Mol. Phys. (GB) (vol.1, no.1 April-May 1969—)
Coden: CAMPBS ISSN 0010-2687
Comments on Atomic and Molecular Physics Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Comments Mol. & Cell. Biophys. Comments Mod. Biol. Part A (GB) (vol.1, no.1 1980—)
Coden: CMCBDM ISSN 0143-8123
Comments on Molecular and Cellular Biophysics. Comments on Modern Biology: Part A Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2, England

†Comments Nucl. & Part. Phys. (GB) (1968—)
Coden: CNPPAV ISSN 0010-2709
Comments on Nuclear and Particle Physics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†Comments Plasma Phys. & Controlled Fusion (GB) (vol.1, no.1 Jan.-Feb. 1972—)
Coden: CPCFBJ ISSN 0374-2806
Comments on Plasma Physics and Controlled Fusion Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Comments Solid State Phys. (GB) (vol.1, no.4 Oct.-Nov. 1968—)
Coden: COSPBK ISSN 0308-1206
Comments on Solid State Physics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Commodore Comput. Int. (GB) (vol.2, no.7 Nov. 1983—)
Coden: CCINEJ ISSN 0265-475X
Commodore Computing International Nick Hampshire Publications, 167-169 Great Portland Street, London W1, England

Commodore User (GB) (vol.1, no.1 Oct. 1983—)
Coden: COUSE8 ISSN 0265-721X
Commodore User Formerly: Vic Comput. (GB)
Paradox Group, The Metropolitan, Enfield Road, London N1 5AZ, England

†Commun. & Broadcast. (GB) (vol.1, no.1 Summer 1974—)
Coden: COBRDB ISSN 0305-3601
Communication & Broadcasting Marconi Co. Ltd., Marconi House, New Street, Chelmsford, Essex CM1 1PL, England

†Commun. ACM (USA) (1968—)
Coden: CACMA2 ISSN 0001-0782
Communications of the ACM Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Commun. Dublin Inst. Adv. Stud. Ser. A (Ireland) (1968—)
Coden: CDIAAH ISSN 0070-7414
Communications of the Dublin Institute for Advanced Studies, Series A School of Theoretical Physics, 10 Burlington Road, Dublin 4, Ireland

Commun. Eng. Int. (GB) (vol.3, no.6 Dec. 1981—)
Coden: CSILDM ISSN 0143-9561
Communications Engineering International ESP Communications Ltd., 46-50 Coombe Road, New Malden, Surrey KT3 4QH, England

Commun. Int. (GB) (vol.2, no.3 March 1975—)
Coden: CINTDZ ISSN 0305-2109
Communications International Northwood Publications Ltd., Theba House, 49-50 Hatton Garden, London, EC1N 8XS, England

Commun. Manage. (GB) (April 1983—)
Coden: COMNEL ISSN 0264-4576
Communications Management Formerly: Commun. Syst. & Manage. (GB)
EMAP Business and Computer Publications Ltd., Scriptor Court, 155 Farringdon Road, London EC1R 3AD, England

Commun. Math. Phys. (Germany) (1968—)
Coden: CMPHAY ISSN 0010-3616
Communications in Mathematical Physics Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Commun. Outlook (USA) (vol.5, no.3 Winter 1984—)
ISSN 0161-4126
Communication Outlook Artificial Language Laboratory, Computer Science Department, Michigan State University, East Lansing, MI 48824, USA

Commun. R. Soc. Edinburgh (GB) (no.3 1975—)
Coden: CRYSAB ISSN 0308-129X
Communications to the Royal Society of Edinburgh (Physical Sciences) 22 George Street, Edinburgh, EH2 2PQ, Scotland

Commun. Satell. Corp. Tech. Rev.
See: COMSAT Tech. Rev. (USA)

Commun. Sci. & Tech. Inf. (GB) (no.14 Jan. 1973—)
Coden: CSTIBW ISSN 0308-6925
Communicator of Scientific and Technical Information Formerly: Commun. Tech. Inf. (GB)
Institute of Scientific and Technical Communicators Ltd., 17 Blueridge Avenue, Brookmans Park, Hatfield, Herts. AL9 7RY, England

Commun. Stat. (USA) (vol.4, no.1 1975—)
Coden: COSTCX
Communications in Statistics Title changed to: Commun. Stat.-Theory & Methods (USA)

Commun. Stat. Simulation & Comput. (USA) (vol.B5, no.1 1976—)
Coden: CSSCDB ISSN 0361-0918
Communications in Statistics - Simulation and Computation Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Commun. Stat.-Theory & Methods (USA) (vol.5A, no.1 1976—)
Coden: CSTMDC ISSN 0361-0926
Communications in Statistics - Theory and Methods Formerly: Commun. Stat. (USA)
Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Commun. Syst. & Manage. (GB) (vol.1, no.5 Oct. 1982—)
Coden: CCSMDV ISSN 0264-455X
Communications Systems & Management Title changed to: Commun. Manage. (GB)

Commun. Tech. Inf. (GB) (no.10 Aug. 1971—)
Coden: CMTIAN
Communicator of Technical Information Title changed to: Commun. Sci. & Tech. Inf. (GB)

Commun. Telecommun. User (GB) (vol.1, no.5 Nov. 1981—)
Coden: CTUSD8 ISSN 0264-4509
Communicate for the Telecommunications User Communicate Publications Ltd., Link House, Dingwall Avenue, Croydon CR9 2TA, England

Commun. Theor. Phys. (China) (vol.1, no.2 1982—)
Coden: CTPHDI ISSN 0253-6102
Communications in Theoretical Physics Huazhong (Central China) University of Science and Technology Press, Wuhan, People's Republic of China

Communications (GB) (vol.1, no.2 Nov. 1984—)
ISSN 0266-8009
Communications International Thomson Publishing Ltd., Elm House, 10-16 Elm Street, London WC1X 0BP, England

Communications (USA) (Jan. 1968—)
Coden: CMUTAR ISSN 0010-356X
Communications Cardiff Publishing Co., 6530 S. Yosemite Street, Engelwood, CO 80111, USA

Community & Junior Coll. Libr. (USA) (vol.1, no.1 Fall 1982—)
Coden: CJCLDV ISSN 0276-3915
Community & Junior College Libraries Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Commutat. & Electron. (France) (1968—)
Coden: CELCAB
Commutation et Electronique Merged with Cables & Transm. (France) to form Commutat. & Transm. (France)

†**Commutat. & Transm. (France)** (vol.1, no.1 Sept. 1979—)
Coden: COTNDL ISSN 0242-1283
Commutation & Transmission SOTELEC, 16 rue de la Baume, 75008 Paris, France. Formed by merger of Cables & Transm. (France) and Commutat. & Transm. (France)

COMPEL-Int. J. Comput. & Math. Electr. & Electron. Eng. (Ireland) (vol.1, no.1 March 1982—)
Coden: CODUDU ISSN 0332-1649
COMPEL-International Journal for Computation and Mathematics in Electrical and Electronic Engineering Boole Press Ltd., P.O.Box 5, 51 Sandycove Road, Dun Laoghaire, Co. Dublin, Ireland

Components Rep. (Germany) (vol.8, no.5 Nov. 1973—)
Coden: CMREC3
Components Report Formerly: Siemens Electron. Components Bull. (Germany) Title changed to: Siemens Components (Engl. Ed.) (Germany)

Composites (GB) (vol.2, no.4 Dec. 1971—)
Coden: CPSOAN ISSN 0010-4361
Composites Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Comput. & Biomed. Res. (USA)** (1968—)
Coden: CBMRB7 ISSN 0010-4809
Computers and Biomedical Research Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

†**Comput. & Chem. (GB)** (vol.1, no.1 1976—)
Coden: COCHDK ISSN 0097-8485
Computers & Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

†**Comput. & Chem. Eng. (GB)** (vol.1, no.1 1977—)
Coden: CCENDW ISSN 0098-1354
Computers & Chemical Engineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Comput. & Data Process. Technol. (USA) (vol.3, no.11 1980—)
Coden: CDPTDA
Computer and Data Processor Technology Hobbs Associates Inc., P.O.Box 686, Corona del Mar, CA 92625, USA

†**Comput. & Educ. (GB)** (vol.2, no.1-2 1978—)
Coden: COMEDR ISSN 0360-1315
Computers & Education Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Comput. & Electr. Eng. (USA)** (vol.1, no.1 June 1973—)
Coden: CPEEBQ ISSN 0045-7906
Computers & Electrical Engineering Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Comput. & Electron. (USA) (vol.21, no.12 Dec. 1983—)
Coden: CMELDS ISSN 0032-4485
Computers & Electronics Ziff-Davis Publishing Co., One Park Avenue, New York, NY 10016, USA

†**Comput. & Fluids (GB)** (vol.1, no.1 Jan. 1973—)
Coden: CPFLBI ISSN 0045-7930
Computers & Fluids Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Comput. & Geosci. (GB)** (vol.1, no.1-2 July 1975—)
Coden: CGEODT ISSN 0098-3004
Computers & Geosciences Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Comput. & Graphics (GB)** (vol.1, no.1 May 1975—)
Coden: COGRD2 ISSN 0097-8493
Computers & Graphics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

†**Comput. & Hum. (Netherlands)** (vol.3, no.5 May 1969—)
Coden: COHUAD ISSN 0010-4817
Computers and the Humanities Elsevier Science Publishers B.V., P.O.Box 1991, 1000 BZ Amsterdam, Netherlands

†**Comput. & Ind. Eng. (GB)** (vol.2, no.1 1978—)
Coden: CINDDL ISSN 0360-8352
Computers & Industrial Engineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Comput. & Math. with Appl. (GB)** (vol.1, no.1 Jan. 1975—)
Coden: CMAPDK ISSN 0097-4943
Computers & Mathematics with Applications Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Comput. & Med. (USA) (vol.7, no.6—)
Coden: CMPMDI ISSN 0163-0547
Computers and Medicine Medit Associates Inc., P.O.Box 36, Glencoe, IL 60022, USA

Comput. & Medieval Data Process. (Canada) (vol.12, no.2 Oct. 1982—)
Coden: CMDPDZ ISSN 0384-5060
Computers and Medieval Data Processing (Informatique et Etudes Medievales) Editorial address: Serge Lusignan, Institut d'Etudes Medievales, Universite de Montreal, C.P. 2168, Succ. 'A', Montreal, Que. H3C 3J7, Canada

†**Comput. & Oper. Res. (GB)** (vol.1, no.1 March 1974—)
Coden: CMORAP ISSN 0305-0548
Computers & Operations Research Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Comput. & Secur. (Netherlands)** (vol.1, no.1 Jan. 1982—)
Coden: CPSEDU ISSN 0167-4048
Computers & Security North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Comput. & Soc. (USA) (vol.12, no.1 Winter 1982—)
Coden: CMSCD3 ISSN 0095-2737
Computers & Society Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Comput. & Stand. (Netherlands) (vol.1, no.1 Jan. 1982—)
Coden: COSTEZ ISSN 0167-8051
Computers & Standards North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†**Comput. & Struct. (GB)** (vol.1, no.1/2 Aug. 1971—)
Coden: CMSTCJ ISSN 0045-7949
Computers and Structures Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Comput. Aided Des. (GB)** (vol.1, no.2 Winter 1969—)
Coden: CAIDA5 ISSN 0010-4485
Computer Aided Design Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Comput. Answers (GB) (May 1984—)
Coden: COANET ISSN 0264-4479
Computer Answers VNU Publications, Evelyn House, 62 Oxford Street, London W1A 2HG, England

Comput. Archit. News (USA) (vol.9, no.5 15 Aug. 1981—)
Coden: CANED2 ISSN 0163-5964
Computer Architecture News Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

Comput. Asia (Hong Kong) (no.64 Feb. 1984—)
Coden: COASEA
Computer Asia Syme Media Enterprises Ltd., 16/Fl., Shing Lee Commercial Building, 6-12 Wing Kut Street, Hong Kong, Hong Kong

†**Comput. Biol. & Med. (GB)** (vol.1, no.1 Aug. 1970—)
Coden: CBMDAW ISSN 0010-4825
Computers in Biology and Medicine Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Comput. Bull. (GB) (ser. 2, no. 2 Dec. 1974—)
Coden: COBUAH ISSN 0010-4531
Computer Bulletin John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Comput. Bus. Eur. (GB) (vol.3, no.6 July 1984—)
ISSN 0262-8074
Computer Business Europe CW Communications Ltd., 99 Gray's Inn Road, London WC1X 8UT, England

Comput. Bus. News (USA) (vol.4, no.37 14 Sept. 1981—)
Coden: CBNED9 ISSN 0162-5853
Computer Business News 375 Conchituate Road, Box 880, Framingham, MA 01701, USA

†**Comput. Commun. (GB)** (vol.1, no.1 1978—)
Coden: COCOD7 ISSN 0140-3664
Computer Communications Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Comput. Commun. Rev. (USA) (vol.11, no.3 July 1981—)
Coden: CCRED2 ISSN 0146-4833
Computer Communication Review Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Comput. Compacts (Netherlands) (vol.1, no.1 Feb. 1983—)
Coden: COCOE8 ISSN 0167-7136
Computer Compacts North-Holland Publishing Co., P.O.Box 1991, 1000 BZ Amsterdam, Netherlands

Comput. Coupling Phase Diagrams & Thermochem.
See: CALPHAD: Comput. Coupling Phase Diagrams & Thermochem. (GB)

Comput. Data (Canada) (vol.4, no.6 June 1979—)
Coden: CODAD4 ISSN 0383-7319
Computer Data Page Communications, 501 Oakdale Road, Downsview, Ont. M3N 1W7, Canada

Comput. Decis. (USA) (vol.3, no.9 Sept. 1971—)
Coden: CODCB8 ISSN 0010-4558
Computer Decisions Hayden Publishing Co., 50 Essex Street, Rochelle Park, NJ 07662, USA

†**Comput. Des. (USA)** (vol.7, no.9 Sept. 1968—)
Coden: CMPDAM ISSN 0010-4566
Computer Design P.O. Box A, Winchester, MA 01890, USA

Comput. Dig. (USA) (vol.1, no.2 June 1984—)
Computer Digest Issued with: *Radio-Electron. (USA)*

Comput. Econ. Rep. (USA) (vol.6, no.3 March 1984—)
Coden: CERTDR
Computer Economics Report Computer Economics Inc., 150 Fifth Avenue, New York, NY 10011, USA

Comput. Educ. (GB) (no.1 Feb. 1969—)
Coden: CPECBK ISSN 0010-4590
Computer Education Editorial Address: National Computer Centre, Oxford Road, Manchester M1 7ED, England

Comput. Educ. Q.
See: Interface Comput. Educ. Q. (USA)

†**Comput. Enhanced Spectrosc. (GB)** (vol.1, no.1 Jan.-March 1983—)
Coden: CENSD4 ISSN 0734-3051
Computer Enhanced Spectroscopy John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Comput. Environ. & Urban Syst. (GB) (vol.6, no.1 1981—)
Coden: CEUSD5 ISSN 0198-9715
Computers, Environment and Urban Systems Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Comput. Equip. Rev. (USA)** (vol.3, no.1 Jan.-June 1981—)
Coden: CEQRDG ISSN 0278-260X
Computer Equipment Review Formerly: Libr. Comput. Equip. Rev. (USA) Meckler Publishing, 520 Riverside Avenue, Westport, CT 06880, USA

Comput. Fraud & Secur. Bull. (GB) (vol.4, no.7 May 1982—)
Coden: CFSBEK ISSN 0142-0496
Computer Fraud & Security Bulletin Elsevier International Bulletins, Mayfield House, 256 Banbury Road, Oxford OX2 7DH, England. Elsevier International Bulletins, Associated Scientific Publishers, P.O.Box 211, 1000 AE Amsterdam, Netherlands

Comput. Graphics & Art (USA) (vol.3, no.4 Nov. 1978—)
Coden: CGARDI
Computer Graphics and Art Berkeley Enterprises Inc., 815 Washington Street, Newtonville, MA 02160, USA

Comput. Graphics & Image Process. (USA) (vol.7, no.1 Feb. 1978—)
Coden: CGIPBG ISSN 0146-664X
Computer Graphics and Image Processing Title changed to: Comput. Vision, Graphics & Image Process. (USA)

Comput. Graphics (USA) (vol.14, no.3 July 1980—)
Coden: CGRADI ISSN 0097-8930
Computer Graphics Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

Comput. Graphics Forum (Netherlands) (vol.1, no.1 March 1982—)
Coden: CGFODY ISSN 0167-7055
Computer Graphics Forum Published for the EUROGRAPHICS Association by Elsevier Science Publishers (North-Holland), P.O.Box 211, 1000 AE Amsterdam, Netherlands

Comput. Graphics World (USA) (vol.6, no.2 Feb. 1983—)
Coden: CGWODH ISSN 0271-4159
Computer Graphics World Computer Graphics World Publishing Co. Inc., 1714 Stockton, San Francisco, CA 94133, USA

Comput. Healthcare (USA) (vol.5, no.5 May 1984—)
Coden: COHED2 ISSN 0274-631X
Computers in Healthcare Cardiff Publishing Co., 6430 S. Yosemite Street, Englewood, CO 80111, USA

Comput. Ind. (Netherlands) (vol.1, no.1 July 1979—)
Coden: CINUD4 ISSN 0166-3615
Computers in Industry North-Holland Publishing Co., P.O. Box 103, 1000 AC Amsterdam, Netherlands

†**Comput. J. (GB)** (1968—)
Coden: CMPJA6 ISSN 0010-4620
Computer Journal Published for the British Computer Society by John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Comput. J. (Switzerland) (no.4 July 1981—)
Coden: CJOUDG ISSN 0250-9997
Computer Journal Incorporated with Mikro- + Kleincomput. (Switzerland)

†**Comput. Lang. (GB)** (vol.1, no.1 Jan. 1975—)
Coden: COLADA ISSN 0096-0551
Computer Languages Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Comput. Linguist. & Comput. Lang. (Hungary) (vol.10 1975—)
Coden: CLCODK ISSN 0324-2048
Computational Linguistics and Computer Languages Hungarian Academy of Sciences, Budapest, Hungary

Comput. Mag. (GB) (6 Sept. 1984—)
Computing, The Magazine VNU Business Publications BV, 55 Frith Street, London W1A 2HG, England. Supersedes in part: Computing (GB)

Comput. Manage. (GB) (vol.5, no.1 15 Jan. 1970—)
Coden: CPMGA3 ISSN 0010-4639
Computer Management ECC Publications Ltd., 30-31 Islington Green, London N1, England

Comput. Marketplace (GB) (no.77 1982—)
Coden: CMMPDC ISSN 0264-5521
Computer Marketplace Computer Marketplace U.K., 243 Caledonian Road, London N1 1ED, England

Comput. Mech. Eng. (USA) (vol.2, no.6 May 1984—)
Coden: CMENDY ISSN 0745-9726
Computers in Mechanical Engineering American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, NY 10017, USA

Comput. Methods Appl. Mech. & Eng. (Netherlands) (vol.1, no.1 June 1972—)
Coden: CMMECC ISSN 0045-7825
Computer Methods in Applied Mechanics and Engineering North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Comput. Music J. (USA) (vol.2, no.4 Dec. 1978—)
Coden: CMUJDY ISSN 0148-9267
Computer Music Journal People's Computer Co., Box E, 1263 El Camino Real, Menlo Park, CA 94025, USA

†**Comput. Networks (Netherlands)** (vol.1, no.1 June 1976—)
Coden: CNETDP ISSN 0376-5075
Computer Networks North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Comput. News (GB) (no.3 27 Oct. 1983—)
Coden: CMPNAI ISSN 0265-413X
Computer News The Publishing Co. Ltd., 99 Gray's Inn Road, London WC1X 8UT, England

Comput. Newsl. Schools Bus. (USA) (vol.15, no.1 Sept. 1981—)
Coden: CMGNA7 ISSN 0010-4868
Computing Newsletter for Schools of Business College of Business Administration, University of Colorado, Austin Bluffs Parkway, Colorado Springs, CO 80907, USA

Comput. Newspap. (GB) (6 Sept. 1984—)
Computing, The Newspaper VNU Business Publications BV, 55 Frith Street, London W1A 2HG, England. Supersedes in part: Computing (GB)

Comput. Performance (GB) (vol.2, no.3 Sept. 1981—)
Coden: COPED8 ISSN 0143-9642
Computer Performance Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Comput. Peripherals Rev. (USA) (vol.5, no.3 1978—)
Coden: CPERDX ISSN 0149-5054
Computer Peripherals Review GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

Comput. Pers. (USA) (vol.4, no.3-4 1974—)
Coden: CPPNB6 ISSN 0160-2497
Computer Personnel Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†**Comput. Phys. Commun. (Netherlands)** (vol.1, no.1 July 1969—)
Coden: CPHCBZ ISSN 0010-4655
Computer Physics Communications North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Comput. Phys. Rep. (Netherlands) (vol.1, no.1 Dec. 1983—)
Coden: CPHREF ISSN 0167-7977
Computer Physics Reports North-Holland Physics Publishing, P.O.Box 103, 1000 AC Amsterdam, Netherlands

Comput. Prax. (Germany) (vol.1, no.10 Oct. 1968—)
Coden: COPXBT
Computer Praxis Incorporated with Elektron. Rechenanlagen (Germany)

Comput. Prod. Index (GB) (no.1 May 1984—)
Coden: CPINE8
Computing Product Index VNU Business Publications, 53-55 Frith Street, London W1A 2HG, England

†**Comput. Programs Biomed. (Netherlands)** (vol.1, no.1 Jan. 1970—)
Coden: COPMBU ISSN 0010-468X
Computer Programs in Biomedicine Elsevier/North-Holland Biomedical Press, P.O. Box 211, 1000 AE Amsterdam, Netherlands

Comput. Psychiatry/Psychol. (USA) (vol.3, no.1 Aug.-Sept. 1980—)
Coden: CPSHD5
Computers in Psychiatry/Psychology Dr. M.D. Schwartz, 26 Trumbull Street, New Haven, CT 06511, USA

Comput. Rev. (USA) (1978—)
Coden: CMRVCK ISSN 0093-416X
Computer Review GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

Comput. Sch. (GB) (vol.5, no.1 Oct. 1982—)
Coden: COSCEI ISSN 0263-0982
Computers in Schools MUSE Information Office, Five Ways School, Scotland Lane, Bartley Green, Birmingham B32 4BT, England. Subscription address: Heinemann Computers in Education Ltd., 22 Bedford Square, London WC1B 3HH

Comput. Sch. (USA) (vol.1, no.1 Spring 1984—)
Coden: CSNYEJ ISSN 0738-0569
Computers in the Schools Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Comput. Sci. & Inf. (India) (vol.12, no.1 1982—)
Coden: CSINET ISSN 0254-7813
Computer Science and Informatics Formerly: J. Comput. Soc. India Computer Society of India, 15 Haji Ali Park, Bombay 400 034, India

Comput. Stat. & Data Anal. (Netherlands) (vol.1, no.1 March 1983—)
Coden: CSDADW ISSN 0167-9473
Computational Statistics & Data Analysis North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Comput. Surv. (GB) (vol.8, no.4 May-June 1969—)
Coden: COSVA3 ISSN 0010-4760
Computer Survey United Trade Press, 42/43 Gerrard Street, London, W1V 7LP, England

†**Comput. Surv. (USA)** (vol.1, no.1 March 1969—)
Coden: CMSVAN ISSN 0360-0300
Computing Surveys Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Comput. Syst. (GB) (vol.2, no.8 Aug. 1982—)
Coden: COSYEG ISSN 0264-4193
Computer Systems Techpress Publishing Co. Ltd., Walton House, 93 High Street, Bromley BR1 1JW, England

Comput. Talk (GB) (13 Feb. 1980—)
Coden: CMPTB3 ISSN 0142-9078
Computer Talk Talk Publications Ltd., 89-91 Wardour Street, London W1V 3TF, England

Comput. Teach. (USA) (vol.11, no.3 Oct. 1983—)
Coden: CTEADA ISSN 0278-9175
Computing Teacher International Council for Computers in Education, ICCE, University of Oregon, 1787 Agate Street, Eugene, OR 97403, USA

Comput. Terminals Rev. (USA) (vol.6, no.3 1978—)
Coden: COTRDX ISSN 0147-9415
Computer Terminals Review GML. Corp., 594 Marrett Road, Lexington, MA 02173, USA

Comput. Times with Computacards (GB) (May 1978—)
Coden: COTID6
Computer Times with Computacards Formerly: Computacards Int. (GB)
Walker Ellis Ltd., 26 Lyons Drive, Worplesdon, Nr. Guildford, Surrey GU2 6BR, England

Comput. Today (GB) (vol.2, no.2 April 1980—)
Coden: COMTD4 ISSN 0142-7210
Computing Today 145 Charing Cross Road, London WC2H 0EE, England

Comput. Update (GB) (vol.3, no.1 Summer 1984—)
ISSN 0262-9690
Computer Update Update Publications Ltd., 33-34 Alfred Place, London WC1E 7DP, England

†**Comput. Vision, Graphics & Image Process. (USA)** (vol.21, no.1 Jan. 1983—)
Coden: CVGPDB ISSN 0734-189X
Computer Vision, Graphics, and Image Processing Formerly: Comput. Graphics & Image Process. (USA)
Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Comput. Week (S. Africa) (vol.4, no.14 6 April 1981—)
Coden: CMWEDT ISSN 0254-2188
Computer Week 7th Floor, Rennie House, 19 Ameshoff Street, Braamfontein, Johannesburg, South Africa

Comput. Wkly. (GB) (vol.12, no.282 16 March 1972—)
Coden: COMWAA ISSN 0010-4787
Computer Weekly IPC Business Press Ltd., 40 Bowling Green Lane, London, EC1R ONE, England

†**Comput.-Aided Eng. J. (GB)** (vol.1, no.1 Nov. 1983—)
Coden: CAEJE7 ISSN 0263-9327
Computer-Aided Engineering Journal Institution of Electrical Engineers, Savoy Place, London WC2R 0BL, England

Comput./Law J. (USA) (vol.2, no.2 Spring 1980—)
Coden: COLJD3 ISSN 0164-8756
Computer/Law Journal Center for Computer/Law, 530 West Sixth Street, 10th Floor, Los Angeles, CA 90014, USA

Computacards Int. (GB) (March 1978—)
Coden: CMPID6
Computacards International Title changed to: Comput. Times with Computacards (GB)

Compute (USA) (vol.3, no.2 Feb. 1977—)
Coden: CMPTD5
Compute National Semiconductor Corp., 2900 Semiconductor Drive, Santa Clara, CA 95051, USA

Compute. J. Prog. Comput. (USA) (vol.4, no.5 May 1982—)
Coden: COMPER ISSN 0194-357X
Compute. Journal for Progressive Computing Small Systems Services Inc., P.O.Box 5406, Greensboro, NC 27403, USA

†**Computer (USA)** (vol.4, no.6 Nov.-Dec. 1971—)
Coden: CPTRB4 ISSN 0018-9162
Computer Institute of Electrical and Electronic Engineers Computer Society, 5855 Naples Plaza, Suite 301, Long Beach, CA 90803, USA

Computerworld (USA) (vol.15, no.24 15 June 1981—)
Coden: CMPWAB ISSN 0010-4841
Computerworld CW Communications Inc., Box 880, 375 Cochituate Road, Framingham, MA 01701, USA

†**Computing (Austria)** (1968—)
Coden: CMPTA2 ISSN 0010-485X
Computing Springer-Verlag, A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

Computing (GB) (vol.8, no.33 14 Aug. 1980—)
Coden: CPTGB5 ISSN 0144-3097
Computing Computing Publications Ltd., 55 Frith Street, London W1A 2HG, England. →Journal split into two parts: Comput. Mag. (GB) and Comput. Newspap. (GB)

Computing (Suppl.) (Austria) (no.2 1980—)
Coden: COSPDM ISSN 0344-8029
Computing (Supplementum) Issued with: *Computing (Austria)*

†**COMSAT Tech. Rev. (USA)** (vol.1, no.1 Fall 1971—)
Coden: CSTRCQ ISSN 0095-9669
COMSAT Technical Review Communications Satellite Corp., 950 L'Enfant Plaza, S.W., Washington, DC 20024, USA

Cont. Shelf Res. (GB) (vol.2, no.1 May 1983—)
Coden: CSHRDZ ISSN 0278-4343
Continental Shelf Research Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Contemp. Phys. (GB)** (1968—)
Coden: CTPHAF ISSN 0010-7514
Contemporary Physics Taylor and Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Contrib. Atmos. Phys. (Germany) (vol.46, no.1 1973—)
Coden: BPYAAY ISSN 0005-8173
Contributions to Atmospheric Physics (Beitrage zur Physik der Atmosphare) Formerly: Beitr. Phys. Atmos. (Germany)
Friedr. Vieweg & Sohn Verlagsgesellschaft mbH, P.O. Box 5829, D-6200 Wiesbaden, Germany

Contrib. Geophys. Inst. Slovak Acad. Sci. (Czechoslovakia) (vol.10 1980—)
Coden: CGISAO ISSN 0586-4607
Contributions of the Geophysical Institute of the Slovak Academy of Sciences Dubravska 9, 842 28 Bratislava, Czechoslovakia

Contrib. Geophys. Inst. Slovak Acad. Sci. Ser. Meteorol. (Czechoslovakia) (vol.2 1978—)
Coden: CGIMD9
Contributions of the Geophysical Institute of the Slovak Academy of Sciences, Series of Meteorology Dubravska 9, 842 28 Bratislava, Czechoslovakia

Contrib. Inst. Low Temp. Sci. Ser. A (Japan) (no.23 1971—)
Coden: CLTSBD ISSN 0073-2931
Contributions from the Institute of Low Temperature Sciences, Series A Hokkaido University, Sapporo, Japan

Control & Comput. (Canada) (vol.9, no.1 1981—)
Coden: CONCER ISSN 0730-9538
Control and Computers Formerly: Autom. Control Theory & Appl. (Canada)
ACTA Press, P.O.Box 3243, Postal Station B, Calgary, Alta. TM2 4L8, Canada

Control & Cybern. (Poland) (vol.1, no.1-2 1972—)
Coden: CCYBAP ISSN 0324-8569
Control and Cybernetics Panstwowe Wydawnictwo Naukowe, W-WA, Miodowa 10, Warszawa, Poland

Control & Instrum. (GB) (vol.1, no.1 May 1969—)
Coden: CTLIAW ISSN 0010-8022
Control & Instrumentation Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England

Control Cibern. & Autom. (Cuba) (vol.3, no.1 Jan.-March 1969—)
Coden: CCAZAB
Control Cibernetica y Automatizacion Centro de Automatizacion Industrial (C.A.I.), Paseo No. 452 esq. a 19, Vedado, Habana 4 (Apdo. 4019), Cuba

Control Eng. (USA) (1968—)
Coden: CENGAX ISSN 0010-8049
Control Engineering Dun-Donelley Publishing Corp., 666 Fifth Avenue, New York, NY 10019, USA

Controller (Germany) (vol.17, no.3 July-Sept. 1968—)
Coden: CTLRAP ISSN 0343-267X
The Controller International Federation of Air Traffic Controllers' Associations, S.C. 11, 6 Frankfurt am Main 60, Bornheimer Landwehr 57a, Germany

Corros. Sci. (GB) (1968—)
Coden: CRRSAA ISSN 0010-938X
Corrosion Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Corrosion (USA) (vol.27, no.5 May 1971—)
Coden: CORRAK ISSN 0010-9312
Corrosion National Association of Corrosion Engineers, 1440 South Creek, Houston, TX 77084, USA

Cosmic Electrodyn. (Netherlands) (vol.1, no.1 April 1970—)
Coden: CELDBF
Cosmic Electrodynamics Incorporated with Astrophys. & Space Sci. (Netherlands)

Cosmic Res. (USA) (1968—)
Coden: CSCRA7 ISSN 0010-9525
Cosmic Research [Translation of: *Kosm. Issled. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Cost & Manage. (Canada) (vol.46, no.1 Jan.-Feb. 1972—)
Coden: CSTMA9 ISSN 0010-9592
Cost and Management Society of Management Accountants of Canada, 154 Main Street, Hamilton, Ontario L8N 3C3, Canada

Cost Eng. (USA) (vol.22, no.1 Jan.-Feb. 1980—)
Coden: CSTEDM ISSN 0274-9696
Cost Engineering American Association of Cost Engineers Inc., 308 Monongahela Building, Morgantown, WV 26505, USA

CQ Radio Amat. J. (USA) (vol.27, no.7 July 1971—)
Coden: CQCQAO ISSN 0007-893X
CQ Radio Amateur's Journal 76 North Broadway, Hicksville, NY 11801, USA

CRC Crit. Rev. Bioeng. (USA) (vol.3, no.1 1978—)
Coden: CRBEAO ISSN 0045-642X
CRC Critical Reviews in Bioengineering Title changed to: CRC Crit. Rev. Biomed. Eng. (USA)

CRC Crit. Rev. Biomed. Eng. (USA) (vol.9, no.1 1983—)
Coden: CRBEDR ISSN 0278-940X
CRC Critical Reviews in Biomedical Engineering Formerly: CRC Crit. Rev. Bioeng. (USA)
CRC Press Inc., 2000 Corporate Boulevard, N.W., Boca Raton, FL 33431, USA

CRC Crit. Rev. Solid State & Mater. Sci. (USA) (vol.7, no.2 1978—)
Coden: CCRSDA ISSN 0161-1593
CRC Critical Reviews in Solid State and Materials Sciences Formerly: Crit. Rev. Solid State Sci. (USA)
CRC Press Inc., 18901 Cranwood Parkway Cleveland, OH 44128, USA

Creative Comput. (USA) (vol.2, no.5 Sept.-Oct. 1976—)
Coden: CCOMDB ISSN 0097-8140
Creative Computing P.O. Box 789-M, Morristown, NJ 07960, USA

Creativity & Innovation Network (GB) (vol.10, no.4 Oct.-Dec. 1984—)
ISSN 0263-2926
Creativity & Innovation Network University of Manchester, Room 3.1, Manchester Business School, Booth Street West, Manchester M16 5PB, England

Crimean Astrophys. Obs. Bull.
See: Bull. Crimean Astrophys. Obs. (USA)

Crit. Rev. Solid State Sci. (USA) (vol.2, no.2 Aug. 1971—)
Coden: CCSCBX
Critical Reviews in Solid State Sciences Title changed to: CRC Crit. Rev. Solid State & Mater. Sci. (USA)

Cryogenics (GB) (1968—)
Coden: CRYOAX ISSN 0011-2275
Cryogenics Butterworth Scienfitic Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Cryst. Lattice Defects & Amorphous Mater. (GB)** (vol.10, no.1 1983—)
Coden: CLDMDJ ISSN 0732-8699
Crystal Lattice Defects and Amorphous Materials Formerly: Cryst. Lattice Defects (GB)
Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Cryst. Lattice Defects (GB) (vol.1, no.1 Dec. 1969—)
Coden: CLADA8 ISSN 0011-2305
Crystal Lattice Defects Title changed to: Cryst. Lattice Defects & Amorphous Mater. (GB)

Cryst. Res. & Technol. (Germany) (vol.16, no.1 1981—)
Coden: CRTEDF ISSN 0232-1300
Crystal Research and Technology Formerly: Krist. & Tech. (Germany)
Akademie-Verlag, DDR-1080 Berlin, Leipziger Strasse 3-4, Germany

†**CSELT Rapp. Tec. (Italy)** (no.1 July 1973—)
Coden: CSELBY ISSN 0390-1815
CSELT Rapporti Tecnici CSELT - Centro Studi e Laboratori Telecomunicazioni, Torino, Via Guglielmo Reiss Romoli 274, Italy

CSIO Commun. (India) (vol.1, no.1 Jan.-March 1974—)
Coden: CSIOBT ISSN 0304-9841
CSIO Communications Central Scientific Instruments Organisation, Sector 30, Chandigarh-160020, India

CSIRONET News (Australia) (no.163 Feb. 1982—)
Coden: CNNEDP ISSN 0726-657X
CSIRONET News CSIRO Division of Computing Research, P.O.Box 1800, Canberra City, ACT 2601, Australia

Curr. Sci. (India) (1968—)
Coden: CUSCAM ISSN 0011-3891
Current Science Current Science Association, Raman Research Institute, Bangalore 560006, India

†**Cybern. & Syst. (USA)** (vol.11, no.1-2 June-Aug. 1980—)
Coden: CYSYDH ISSN 0196-9722
Cybernetics and Systems Formerly: J. Cybern. (USA)
Hemisphere Publishing Corp., 1025 Vermont Avenue, N.W., Washington, DC 20005, USA

Cybernetica (Belgium) (vol.13, no.2 1970—)
Coden: CYBEA5 ISSN 0011-4227
Cybernetica International Association for Cybernetics, Place Andre Rijckmans, Namur, Belgium

†**Cybernetics (USA)** (1968—)
Coden: CYBNAW ISSN 0011-4235
Cybernetics [Translation of: *Kibernetika (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Czech. Heavy Ind. (Czechoslovakia) (no.12 1969—)
Coden: CZHIAK ISSN 0011-4618
Czechoslovak Heavy Industry Rapid, 13 UL, 28 Rijna, 11279 Praha 1, Czechoslovakia

†**Czech. J. Phys. Sect. B (Czechoslovakia)** (1968—)
Coden: CZYPAO ISSN 0011-4626
Czechoslovak Journal of Physics, Section B Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

†**Dainichi-Nippon Cables Rev. (Japan)** (no.39 July 1968—)
Coden: DNDJAW ISSN 0011-5541
Dainichi-Nippon Cables Review Dainichi-Nippon Cables Ltd., Umeda Bldg., 7-3 Umdeba, Kita-ku, Osaka, Japan

Dainichi-Nippon Densen Jiho
See: Dainichi-Nippon Cables Rev. (Japan)

Dalian Gongxueyuan Xuebao
See: J. Dalian Inst. Technol. (Dalian Gongxueyuan Xuebao) (China)

Danfoss J. (Denmark) (vol.23, no.4 1968—)
Coden: DNFJA8 ISSN 0011-6076
Danfoss Journal Danfoss Manufacturing Co., Nordborg, Denmark

Data (Denmark) (vol.9, no.6 June 1979—)
Coden: DAATDR ISSN 0105-9912
Data Title changed to: Nord. Datanytt Data (Denmark)

†**Data Base (USA)** (vol.1, no.1 Spring 1969—)
Coden: DTBSAN ISSN 0095-0033
Data Base Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Data Base Mon. (USA) (vol.4, no.5 June 1984—)
ISSN 0276-5721
Data Base Monthly Data Base Publications Inc., 11754 Jollyville Road, Suite 104, Austin, TX 78759, USA

Data Bus. (GB) (March 1982—)
Coden: DABUDZ ISSN 0264-2611
Data Business VNU Business Publications, 53-55 Frith Street, London W1A 2HD, England

Data Commun. (USA) (vol.10, no.11 Nov. 1981—)
Coden: DACODM ISSN 0363-6399
Data Communications McGraw-Hill Publications Co., McGraw-Hill Building, 1221 Avenue of the Americas, New York, NY 10020, USA

Data Manage. (USA) (vol.8, no.9 Sept. 1970—)
Coden: DTAMBZ ISSN 0148-5431
Data Management Formerly: J. Data Manage. (USA)
Data Processing Management Association, 505 Busse Highway, Park Ridge, IL 60068, USA

Data Process. Pract. (GB) (vol.4, no.24 March 1973—)
Coden: DPPTAY ISSN 0011-6882
Data Processing Practitioner Institute of Data Processing Ltd., Walter House, 418-422 Strand, London WC2R 0PW, England

Data Processing (GB) (vol.10, no.4 July-Aug. 1968—)
Coden: DPROAT ISSN 0011-684X
Data Processing Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Data Processor (USA) (vol.7, no.1 Feb. 1969—)
Coden: DATPA5 ISSN 0011-6890
Data Processor Data Processing Division, International Business Machines Corp., 1133 Westchester Avenue, White Plains, NY 10604, USA

Data Rep. (Germany) (vol.3, no.3 Sept. 1968—)
Coden: DARPAT ISSN 0374-289X
Data Report Siemens Aktiengesellschaft, Hellabrunner Strasse 1, 8000 Munchen 90, Germany

Data Syst. (GB) (1968—)
Coden: DASYAR
Data Systems Title changed to: Ind. Manage. + Data Syst. (GB)

Data Tid (Norway) (vol.4, no.1 Feb. 1982—)
Coden: DATIDL ISSN 0332-8171
Data Tid Dataforlaget A.S., Sam Eydes Vei 11 A, Postboks 145, 1412 Sofiemyr, Norway

Data Transfer (GB) (vol.1, no.1 Feb. 1983—)
Coden: DATRDE
Data Transfer International Thomson Publishing Ltd., 93-99 Goswell Road, London EC1V 7QA, England

†**Database & Network J. (GB)** (vol.13, no.3 1983—)
Coden: DNJODC ISSN 0308-3314
Database and Network Journal Formerly: Database J. (GB)
A.P. Publications Ltd., 322 St. John Street, London EC1V 4QH, England

†**Database (USA)** (vol.1, no.1 Sept. 1978—)
Coden: DTBSDQ ISSN 0162-4105
Database Online Inc., 11 Tannery Lane, Weston, CT 06883, USA

Database J. (GB) (vol.6, no.2 1975—)
Coden: DAJODN ISSN 0308-3314
Database Journal Title changed to: Database & Network J. (GB)

Datalink (GB) (27 Nov. 1978—)
Coden: DTLNDR ISSN 0141-6545
Datalink 76 Dean Street, London, W1A 1BU, England

Datamation (USA) (1968—)
Coden: DTMNAT ISSN 0011-6963
Datamation Technical Publishing Co., 1301 South Grove Avenue, Barrington, IL 60010, USA

Datenverarb. Recht (Germany) (vol.10, no.1-2 1981—)
Coden: DRECDD ISSN 0301-2980
Datenverarbeitung im Recht J. Schweitzer Verlag KG, Geibelstrasse 8, D-8000 Munchen 80, Germany

DB Sound Eng. Mag. (USA) (vol.15, no.9 Sept. 1981—)
Coden: DBSEDB ISSN 0011-7145
DB, The Sound Engineering Magazine Sagamore Publishing Co., 1120 Old Country Road, Plainview, LI, NY 11803, USA

DEC Prof. (USA) (vol.2, no.4 June 1983—)
Coden: DECPDJ ISSN 0744-9216
The DEC Professional Professional Press Inc., 161 E. Hunting Park Avenue, Philadelphia, PA 19124, USA

Dec User (GB) (April 1983—)
Coden: DECUEZ ISSN 0263-6530
Dec User EMAP Business and Computer Publications Ltd., 57a Hatton Garden, London EC1N 8JD, England

Decis. Sci. (USA) (vol.8, no.2 April 1977—)
Coden: DESCDQ ISSN 0011-7315
Decision Sciences American Institute for Decision Sciences, University Plaza, Atlanta, GA 30303, USA

Deep-Sea Res. (GB) (vol.18, no.2 Feb. 1971—)
Coden: DROAAK
Deep-Sea Research Title changed to: Deep-Sea Res. Part A (GB)

Deep-Sea Res. Part A (GB) (vol.26, no.1A Jan. 1979—)
Coden: DESRAY ISSN 0198-0149
Deep-Sea Research Part A, Oceanographic Research Papers Formerly: Deep-Sea Res. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Def. Electron. (USA) (vol.11, no.3 May 1979—)
Coden: DEELDH ISSN 0194-7885
Defense Electronics Formerly: Electron. Warf. Def. Electron. (USA)
EW Communications Inc., 1170 East Meadow Drive, Palo Alto, CA 94303, USA

Def. Sci. J. (India) (1968—)
Coden: DSJOAA ISSN 0011-748X
Defence Science Journal Metcalfe House, Delhi 110054, India

Defektoskopiya (USSR) (vol.9, no.1 Jan.-Feb. 1973—)
Coden: DEFKAG ISSN 0130-3082
Defektoskopiya Academy of Sciences of the USSR, Moskva, USSR [English translation in: *Sov. J. nondestr. Test. (USA)*]

Delft Prog. Rep. (Netherlands) (vol.2, no.1 Oct. 1976—)
Coden: DPRED2 ISSN 0304-985X
Delft Progress Report Delft University Press, Mijnbouwplein 11, 2628 RT Delft, Netherlands. Formed by merger of Delft Prog. Rep. Ser. A,B,C,D,E & F

Delft Prog. Rep. Ser. A (Netherlands) (vol.1, no.1 Sept. 1973—)
Coden: DPRACN
Delft Progress Report Series A: Chemistry and Physics, Chemical and Physical Engineering Merged into Delft Prog. Rep. (Netherlands)

Delft Prog. Rep. Ser. B (Netherlands) (vol.1, no.1 Dec. 1973—)
Coden: DPRPBX
Delft Progress Report Series B: Electrical, Electronic and Information Engineering Merged into Delft Prog. Rep. (Netherlands)

Delft Prog. Rep. Ser. D (Netherlands) (vol.1, no.2 Aug. 1975—)
Coden: DPRSDA
Delft Progress Report Series D: Architecture, Industrial Design, Social Sciences Merged into Delft Prog. Rep. (Netherlands)

Delft Prog. Rep. Ser. E (Netherlands) (vol.1, no.1 Feb. 1974—)
Coden: DPREBY
Delft Progress Report Series E: Geosciences Merged into Delft Prog. Rep. (Netherlands)

Delft Prog. Rep. Ser. F (Netherlands) (vol.1, no.1 Jan. 1974—)
Coden: DPRFB3
Delft Progress Report Series F: Mathematical Engineering Mathematics and Information Engineering Merged into Delft Prog. Rep. (Netherlands)

Denki Gakkai Ronbunshi A
See: Trans. Inst. Electr. Eng. Jpn. Part A (Japan)

Denki Gakkai Ronbunshi B
See: Trans. Inst. Electr. Eng. Jpn. Part B (Japan)

Denki Gakkai Ronbunshi C
See: Trans. Inst. Electr. Eng. Jpn. Part C (Japan)

Denki Kagaku (Japan) (vol.51, no.8 Aug. 1983—)
Coden: DNKKA2 ISSN 0366-9297
Denki Kagaku Electrochemical Society of Japan, Shin-yurakucho Building, 1-12-1 Yuraku-cho, Chiyoda-ku, Tokyo 100, Japan

Denki Kenteisho Giho
See: JEMIC Tech. Rep. (Japan)

Denki Tsushin Daigaku Gakuho
See: Rep. Univ. Electro-Commun. (Japan)

Denki Tsushin Kenkyusho Kenkyu Jitsuyoka Hokoku
See: Electr. Commun. Lab. Tech. J. (Japan)

Denpa Kenkyusho Kiho
See: Rev. Radio Res. Lab. (Japan)

Denshi Gijutsu Sogo Kenkyusho Chosa Hokoku
See: Circ. Electrotech. Lab. (Japan)

Denshi Gijutsu Sogo Kenkyusho Iho
See: Bull. Electrotech. Lab. (Japan)

Denshi Gijutsu Sogo Kenkyusho Kenkyu Hokoku
See: Res. Electrotech. Lab. (Japan)

Denshi Tsushin Gakkai Ronbunshi B
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part B (Japan)

Denshi Tsushin Gakkai Ronbunshi C
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part C (Japan)

Denshi Tsushin Gakkai Ronbunshi D
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part D (Japan)

Denshi Tsushin Gakkaishi
See: J. Inst. Electron. & Commun. Eng. Jpn. (Japan)

Dep. Energy Mines & Resour. Earth Phys. Branch Publ.
See: Publ. Earth Phys. Branch Dep. Energy Mines & Resour. (Canada)

Des. Eng. (GB) (Sept. 1969—)
Coden: DEMCBS ISSN 0308-8448
Design Engineering Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England. Incorporates Fluid Power Int. (GB)

Des. News (USA) (vol.25, no.3 2 Feb. 1970—)
Coden: DIGNAO
Design News Cahners Publishing Co., 270 St. Paul Street, Denver, CO 80206, USA

Desalination (Netherlands) (vol.8, no.2 Oct. 1970—)
Coden: DSLNAH ISSN 0011-9164
Desalination Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

Diagn. Imaging Clin. Med. (Switzerland) (vol.53, no.1 Jan.-Feb. 1984—)
Coden: DICMD4 ISSN 0254-881X
Diagnostic Imaging in Clinical Medicine S. Karger AG, Postfach, CH-4009 Basel, Switzerland

Dialogoye Sist. (USSR) (no.3 1980—)
Coden: DSISDK
Dialogoye Sistemy Izdatel'stvo 'Zinatne', Riga, USSR

Dianji Gongcheng Xuebao
See: J. Electr. Eng. (China)

Diesel & Gas Turbine Worldwide (USA) (vol.15, no.6 July-Aug. 1983—)
Coden: DGWODS ISSN 0278-5994
Diesel & Gas Turbine Worldwide Diesel & Gas Turbine Publications, 13555 Bishop's Court, Brookfield, WI 53005-0943, USA

Diffus. & Defect Data (Switzerland) (vol.32 1983—)
Coden: DFDDAQ ISSN 0377-6883
Diffusion and Defect Data Trans Tech S.A., Trans Tech House, CH-4711 Aedermannsdorf, Switzerland

Digital Des. (USA) (vol.6, no.5 May 1976—)
Coden: DIDEDJ ISSN 0147-9245
Digital Design Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA

†Digital Processes (Switzerland) (vol.1, no.1 Spring 1975—)
Coden: DGPRBY ISSN 0301-4185
Digital Processes Georgi Publishing Co., CH-1813 St. Saphorin, Switzerland

Digital Syst. Ind. Autom. (USA) (vol.1, no.1 1981—)
Coden: DSIADY ISSN 0196-559X
Digital Systems for Industrial Automation Crane Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Dir. Etud. & Rech. Bull. Ser. A
See: Bull. Dir. Etud. & Rech. Ser. A (France)

Dir. Etud. & Rech. Bull. Ser. B
See: Bull. Dir. Etud. & Rech. Ser. B (France)

Dir. Etud. & Rech. Bull. Ser. C
See: Bull. Dir. Etud. & Rech. Ser. C (France)

Dir. Mark. (USA) (vol.46, no.4 Aug. 1983—)
Coden: DIMADI ISSN 0261-3859
Direct Marketing 224 Seventh Street, Garden City, LI, NY 11530, USA

DISA Inf. (Denmark) (1968—)
Coden: DISIAZ
Danske Industri Syndikat A/S Information Title changed to: DISA Inf. (Denmark)

†DISA Inf. (Denmark) (no.27 Jan. 1982—)
Coden: DISIAZ ISSN 0070-6639
DISA Information Formerly: DISA Inf. (Denmark)
DISA Elektronik A/S, DK-2740 Skovlunde, Denmark

Discrete Appl. Math. (Netherlands) (vol.1, no.1-2 Sept. 1979—)
Coden: DAMADU ISSN 0166-218X
Discrete Applied Mathematics North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Discrete Math. (Netherlands) (vol.1, no.1 May 1971—)
Coden: DSMHA4 ISSN 0012-365X
Discrete Mathematics North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†Disp. Technol. & Appl. (GB) (vol.1, no.1 April 1979—)
Coden: DISPDP ISSN 0141-9382
Displays, Technology and Applications Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Doc. & Bibl. (Canada) (vol.19, no.1 March 1973—)
Coden: DCBBBO ISSN 0315-2340
Documentation et Bibliotheques Formerly: Assoc. Can. Bibl. Lang. Fr. Bull. (Canada)
Association Canadienne des Bibliothecaires de Langue Francaise, 360 rue Le Moyne, Montreal 125, Canada

Documentaliste (France) (vol.9, no.1 March 1972—)
Coden: DCMTAU ISSN 0012-4508
Documentaliste A.D.B.S., 5 Avenue Franco-Russe, 75007 Paris, France

Doga Bilim Dergisi Ser. A1 (Turkey) (vol.8, no.1 1984—)
Coden: DBAMEE
Doga Bilim Dergisi, Seria A1 (Matematik, Fizik, Kimya, Astronomi ve Yerbilimleri) Scientific and Technical Research Council of Turkey, Ataturk Bulvari 221, Kavaklidere - Ankara, Turkey

Dokl. Akad. Nauk SSSR (1968—)
Coden: DANKAS ISSN 0002-3264
Doklady Akademii Nauk SSSR Editorial address: 117874 GSP-7 Moskva B-485, Profsoyuznaya Ul. 90 Kom. 533, USSR [English translations of selected articles in:*Sov. Phys.-Dokl. (USA)*]

Dokl. Biophys. (USA) (vol.202-204 Jan.-June 1972—)
Coden: DOKBAG ISSN 0012-4974
Doklady Biophysics Consultants Bureau, 233 Spring Street, New York, NY 10013, USA. Translation of the Biophysics Section of Doklady Akademii Nauk SSSR

Dom. Astrophys. Obs. Publ.
See: Publ. Dom. Astrophys. Obs. (Canada)

Dopov. Akad. Nauk UkRSR. Ser. A (USSR) (no.11 1971—)
Coden: DUKABM ISSN 0002-3531
Dopovidi Akademii Nauk Ukrains'koi RSR. Seriya A Fiziko-Tekhnichni ta Matematichni Nauki Izdatel'stvo 'Naukova Dumka', 252601 Kiev, MSP, Repina 3, USSR

Doshisha Daigaku Rikogaku Kenkyu Hokoku
See: Sci. & Eng. Rev. Doshisha Univ. (Japan)

Doshisha Univ. Sci. & Eng. Rev.
See: Sci. & Eng. Rev. Doshisha Univ. (Japan)

†Dr. Dobb's J. (USA) (vol.6, no.7 July 1981—)
Coden: DDJSDM
Dr. Dobb's Journal Formerly: Dr. Dobb's J. Comput. Calisthenics & Orthod. (USA)
People's Computer Co., Box E, 1263 El Camino Real, Menlo Park, CA 94025, USA

Dr. Dobb's J. Comput. Calisthenics & Orthod. (USA) (vol.5, no.1 Jan. 1980—)
Coden: DDJODA
Dr. Dobb's Journal of Computer Calisthenics & Orthodontia Title changed to: Dr. Dobb's J. (USA)

Dresden Tech. Univ. Wiss. Z.
See: Wiss. Z. Tech. Univ. Dresden (Germany)

Drives & Controls Int. (USA) (vol.2, no.5 June-July 1982—)
Coden: DCINDT ISSN 0744-351X
Drives & Controls International Intertec Communications Inc., 2909 Ocean Drive, Oxnard, CA 93030, USA

Dtsch. Eisenbahntech. (Germany) (vol.17, no.1 Jan. 1969—)
Coden: DEBTAN
Deutsche Eisenbahntechnik Title changed to: Eisenbahntechnik (Germany)

Dublin Inst. Adv. Stud. Commun. Ser. A
See: Commun. Dublin Inst. Adv. Stud. Ser. A (Ireland)

Dun's Bus. Mon. (USA) (vol.118, no.3 Sept. 1981—)
Coden: DBMODB ISSN 0279-3040
Dun's Business Month 875 Third Avenue, New York, NY 10022, USA

Dyn. Atmos. & Oceans (Netherlands) (vol.4, no.1 Aug. 1979—)
Coden: DAOCDC ISSN 0377-0265
Dynamics of Atmospheres and Oceans Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

Dyna (Spain) (1968—)
Coden: DYNAAU ISSN 0012-7361
Dyna Association Nacional De Ingenieros Industriales de Espana, AL. Mazarredo, 69, 5 Bilbao 9, Apartado 646, Spain

Earth & Planet. Sci. Lett. (Netherlands) (1968—)
Coden: EPSLA2 ISSN 0012-821X
Earth and Planetary Science Letters Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†Earth Moon & Planets (Netherlands) (vol.30, no.1 Feb. 1984—)
Coden: EMPLD3 ISSN 0167-9295
Earth, Moon, and Planets Formerly: Moon & Planets (Netherlands)
D. Reidel Publishing Co., P.O.Box 17, 3300 AA Dordrecht, Netherlands

Earth Surf. Processes & Landforms (GB) (vol.6, no.1 Jan.-Feb. 1981—)
Coden: ESPLDB ISSN 0197-9337
Earth Surface Processes and Landforms Formerly: Earth Surf. Processes (GB)
John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Earth Surf. Processes (GB) (vol.1, no.1 Jan.-March 1976—)
Coden: ESPRDT ISSN 0360-1269
Earth Surface Processes Title changed to: Earth Surf. Processes & Landforms (GB)

Earth-Oriented Appl. Space Technol. (GB) (vol.3, no.1 1983—)
Coden: EOATDY ISSN 0277-4488
Earth-Oriented Applications of Space Technology Formerly: Adv. Earth Oriented Appl. Space Technol. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Earth-Sci. Rev. (Netherlands) (vol.17, no.4 Nov. 1981—)
Coden: ESREBW ISSN 0012-8252
Earth-Science Reviews Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Earthquake Eng. & Struct. Dyn. (GB) (vol.5, no.2 April-June 1977—)
Coden: IJEEBG ISSN 0098-8847
Earthquake Engineering & Structural Dynamics Formerly: Int. J. Earthquake Eng. & Struct. Dyn. (GB)
John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Earthquake Not. (USA) (vol.51, no.1 Jan.-March 1980—)
Coden: EAQNAT ISSN 0012-8287
Earthquake Notes Eastern Section, Seismological Society of America, Printing and Photographic Center, Georgia Institute of Technology, Atlanta, GA 30332, USA

Earthquake Predict. Res. (Netherlands) (vol.2, no.1 1983—)
Coden: EPRRDI ISSN 0286-0619
Earthquake Prediction Research D. Reidel Publishing Co., P.O.Box 17, 3300 AA Dordrecht, Netherlands. Terra Scientific Publishing Co., 307 Shibuyadai-haim, 4-17 Sakuragaoka-cho, Shibuya-ku, Tokyo 150, Japan

EBI (Educ. Broadcast. Int.) (GB) (vol.10, no.4 Dec. 1977—)
Coden: EBINAU
EBI (Educational Broadcasting International) Formerly: Educ. Broadcast. Int. (GB) Title changed to: MED (Media Educ. & Dev.) (GB)

EBU Rev. A (Belgium) (1968—)
Coden: EBUTA6
EBU Review, Part A (Technical) Title changed to: EBU Rev. Tech. (Belgium)

EBU Rev. Tech. (Belgium) (no.141 Oct. 1973—)
Coden: EBUTA6 ISSN 0379-7155
EBU Review, Technical Formerly: EBU Rev. A (Belgium)
Technical Centre of the European Broadcasting Union, Avenue Albert Lancaster 32, B-1180 Bruxelles, Belgium

EC Woche (Switzerland) (no.20 17 May 1984—)
Coden: ECWOEC
EC Woche AT Fachschriftenverlag, Bahnhofstrasse 39-43, 5001 Aarau, Switzerland

EC-Nyt (Denmark) (no.41 Dec. 1974—)
Coden: ECNTDF ISSN 0105-6700
EC-Nyt Issued with: *Elektronik (Denmark)*

†Echo Rech. (France) (no.66 Oct. 1971—)
Coden: ECRCAF ISSN 0012-9283
L'Echo des Recherches Centre National d'Etudes des Telecommunications, 38 Rue du General Leclerc, 92 131 Issy-les-Moulineaux, France

Econ. Comput. & Econ. Cybern. Stud. & Res. (Rumania) (1968—)
Coden: ECECAI ISSN 0424-267X
Economic Computation and Economic Cybernetics Studies and Research Centre of Economic Computation and Economic Cybernetics, Bucuresti, Rumania

Econ. Rev. Fed. Reserve Bank Atlanta (USA) (May 1983—)
Coden: ECRWDA ISSN 0732-1813
Economic Review Federal Reserve Bank of Atlanta Information Center, Federal Reserve Bank of Atlanta, P.O.Box 1731, Atlanta, GA 30301, USA

EDN (USA) (vol.21, no.11 5 June 1976—)
Coden: EDNSBH ISSN 0012-7515
EDN Cahners Publishing Co. Inc., 221 Columbus Avenue, Boston, MA 02116, USA

†EDP Anal. (USA) (vol.8, no.8 Aug. 1970—)
Coden: EDPAA6 ISSN 0012-7523
EDP Analyzer Canning Publications Inc., 925 Anza Avenue, Vista, CA 92083, USA

EDP Performance Rev. (USA) (vol.9, no.8 Aug. 1981—)
Coden: EDPRDQ ISSN 0091-7206
EDP Performance Review Applied Computer Research, 3003 West Northern Suite 3, Phoenix, AZ 85021, USA

†EDPACS (USA) (vol.7, no.7 Jan. 1980—)
Coden: EDPCDF ISSN 0736-6981
EDPACS Automation Training Center Inc., 11250 Roger Bacon Drive, Suite 17, Reston, VA 22090, USA

Educ. + Train. (GB) (vol.23, no.7 July-Aug. 1981—)
Coden: EDTRDC ISSN 0040-0912
Education + Training A.B.E. Publications, 3 Station Parade, Balham High Road, London SW12 9AZ, England

Educ. Broadcast. Int. (GB) (vol.5, no.2 June 1971—)
Coden: EBINAU
Educational Broadcasting International Title changed to: EBI (Educ. Broadcast. Int.) (GB)

Educ. Comput. (GB) (vol.1, no.8 Oct. 1980—)
Coden: EDCODK ISSN 0143-6058
Educational Computing Educational Computing Ltd., 30-31 Islington Green, London, N1, England

Educ. Stud. Math. (Netherlands) (vol.2, no.1 July 1969—)
Coden: EDSMAN ISSN 0374-308X
Educational Studies in Mathematics D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Educ. Technol. (USA) (vol.11, no.11 Nov. 1971—)
Coden: EDTCAW ISSN 0013-1962
Educational Technology Educational Technology Publications Inc., 140 Sylvan Avenue, Englewood Cliffs, NJ 07632, USA

EDUCOM Bull. (USA) (vol.12, no.3 Autumn 1977—)
Coden: EDCMAB ISSN 0424-6268
EDUCOM Bulletin Box 364, Rosedale Road, Princeton, NJ 08540, USA

EEE (Germany) (no.22 2 Nov. 1983—)
Coden: EESTEL ISSN 0174-7452
EEE Formerly: Elektron. Appl. (Germany)
Konradin-Verlag, Robert Kohlhammer GmbH, Postfach 10 02 52, 7022 Leinfelden-Echterdingen, Germany

Eesti NSV Tead. Akad. Fuus. & Astron. Inst. Uurim. (USSR) (no.37 1968—)
Coden: EFASAX
Eesti NSV Teaduste Akadeemia Fuusika ja Astronoomica Instituudi Uurimused Title changed to: Eesti NSV Tead. Akad. Fuus. Inst. Uurim. (USSR)

Eesti NSV Tead. Akad. Fuus. Inst. Uurim. (USSR) (no.43 1975—)
Coden: ENTUDN ISSN 0134-627X
Eesti NSV Teaduste Akadeemia Fuusika Instituudi Uurimused Formerly: Eesti NSV Tead. Akad. Fuus. & Astron. Inst. Uurim. (USSR)
Akademii Nauk ESSR, Tallin, USSR

Egypt. Acad. Sci. Proc.
See: Proc. Egypt. Acad. Sci.

Egypt. Comput. J. (vol.7, no.1-2 June-Dec. 1979—)
Coden: ECJODE ISSN 0377-7154
Egyptian Computer Journal Cairo University, Institute of Statistical Studies and Research, P.O.Box 1017, 5 Tharwat Street, Orman, Giza, Egypt

Egypt. J. Biomed. Eng. (vol.2, no.2 1982—)
Coden: EJBEDR
Egyptian Journal of Biomedical Engineering National Information and Documentation Centre, NIDOC, Dokki, Cairo, Egypt

Eisenbahningenieur (Germany) (vol.32, no.4 April 1981—)
Coden: ESBGAP ISSN 0013-2810
Eisenbahningenieur Tetzlaff Verlag GmbH, Postfach 40 06, Havelstrasse 9, D-6100 Darmstadt 1, Germany

Eisenbahntechnik (Germany) (vol.21, no.1 Jan. 1973—)
Coden: DETEBZ ISSN 0323-3553
Eisenbahntechnik Formerly: Dtsch. Eisenbahntech. (Germany)
VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

Ekon.-Mat. Obz. (Czechoslovakia) (vol.12, no.1 1976—)
Coden: EKMOBF ISSN 0013-3027
Ekonomicko-Matematicky Obzor Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

El & Energi (Denmark) (vol.80, no.13 Oct. 1984—)
El & Energi Formerly: El & Energi Elektrotek. (Denmark)
Rosenorns Alle 9, 1970 Kobenhavn V, Denmark

El & Energi Elektrotek. (Denmark) (vol.77, no.7 7 April 1981—)
Coden: EEELDS ISSN 0013-5879
El & Energi Elektroteknikeren Title changed to: El & Energi (Denmark)

Electr. & Electron. Tech. Eng. (GB) (vol.1, no.4 Jan. 1970—)
Coden: EETEAB
Electrical and Electronics Technician Engineer Title changed to: Electrotechnology (GB)

Electr. & Mech. Executive Eng. (GB) (vol.60, no.1 Jan.-Feb. 1980—)
Coden: EMEEDT ISSN 0264-4169
Electrical and Mechanical Executive Engineer Formerly: Executive Eng. (GB) Title changed to: Electrotech. News (GB)

Electr. Automob. (France) (vol.26, no.387 Jan. 1972—)
Coden: ELATAA ISSN 0291-8234
L'Electricite Automobile 59 Rue du Faubourg-Poissonniere, 75009 Paris, France

Electr. Can. (Canada) (vol.33, no.10 Nov. 1983—)
ISSN 0823-1052
Electricity Canada Formerly: Mod. Power & Eng. (Canada)
Maclean Hunter Ltd., Maclean Hunter Building, 777 Bay Street, Toronto, Ont. M5W 1A7, Canada

Electr. Comf. Cond. J. (USA) (vol.16 Nov. 1970—)
Coden: ECCJAT
Electric Comfort Conditioning Journal Formerly: Electr. Heat. J. (USA) Title changed to: Electr. Comf. Cond. News (USA)

Electr. Comf. Cond. News (USA) (July 1974—)
Coden: ECCNDA ISSN 0362-1324
Electric Comfort Conditioning News Formerly: Electr. Comf. Cond. J. (USA)
Electrical Information Publications Inc., 2132 Fordem Avenue, Madison, WI 53701, USA

Electr. Commun. (GB) (1968—)
Coden: ELCMAX ISSN 0013-4252
Electrical Communication International Telephone & Telegraph Corp., 190 Strand, London, WC2R 1DU, England

Electr. Commun. Lab. Rev.
See: Rev. Electr. Commun. Lab. (Japan)

Electr. Commun. Lab. Tech. J. (Japan) (vol.20, no.8 1971—)
Coden: TJECAS ISSN 0415-3200
Electrical Communication Laboratories Technical Journal Nippon Telegraph and Telephone Public Corp., 1551 Kichijoji, Musashino-shi, Tokyo, Japan

Electr. Constr. & Maint. (USA) (1968—)
Coden: ECOMAU ISSN 0013-4260
Electrical Construction and Maintenance McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Electr. Contract. (GB) (vol.77, no.9 Sept. 1979—)
Coden: ECTCBQ ISSN 0308-7174
Electrical Contractor Electrical Contractors' Association, ESCA House, 34 Palace Court, London W2 4HY, England

Electr. Energ.-Electron. (Portugal) (vol.25, no.175 May 1982—)
Coden: EEELET ISSN 0253-3367
Electricidade, Energia-Electronica Formerly: Electricidade (Portugal)
Empresa Editorial Electrotecnica Edel Lda., Rua Dona Estefania 48-3°, Esq. , 1000 Lisboa, Portugal

Electr. Eng. (Australia) (1968—)
Coden: ELEMA9 ISSN 0013-4309
Electrical Engineer Thompson Publishing (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia

†Electr. Eng. Jpn. (USA) (1968—)
Coden: EENJAU ISSN 0424-7760
Electrical Engineering in Japan Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA. English translation of Trans. Inst. Electr. Eng. Jpn. Parts A, B and C (Japan)

Electr. Eng. Rev. (Pakistan) (vol.1, no.1 April 1970—)
Coden: EERPAY ISSN 0531-8459
Electrical Engineering Review West Pakistan University of Engineering and Technology, Lahore-31, Pakistan

Electr. Equip. (GB) (vol.11, no.9 Sept. 1972—)
Coden: ELEQBM ISSN 0013-4317
Electrical Equipment Business Publications Ltd., 109-119 Waterloo Road, London, SE1 8UL, England

Electr. Heat. J. (USA) (vol.15 June 1969—)
Coden: EHEJA6
Electric Heating Journal Title changed to: Electr. Comf. Cond. J. (USA)

Electr. India (vol.9, no.4 April 1969—)
Coden: EIDAAF ISSN 0013-435X
Electrical India Indian Electrical Manufacturer's Association, 14 Sihd Prasad, Ghatkopar-Mohul Road, Tilak Nagar, P.O. Bombay 400-089, India

Electr. Mach. & Electromech. (USA) (vol.5, no.2 March-April 1980—)
Coden: EMELDG ISSN 0361-6967
Electric Machines and Electromechanics Title changed to: Electr. Mach. & Power Syst. (USA)

Electr. Mach. & Power Syst. (USA) (vol.8, no.1 Jan.-Feb. 1983—)
Coden: EMPSDO ISSN 0731-356X
Electric Machines and Power Systems Formerly: Electr. Mach. & Electromech. (USA)
Hemisphere Publishing Corp., 1010 Vermont Avenue, N.W., Suite 612, Washington, DC 20005, USA

Electr. Power Res. Inst. J.
See: EPRI J. (USA)

†Electr. Power Syst. Res. (Switzerland) (vol.1, no.1 Sept. 1977—)
Coden: EPSRDN ISSN 0378-7796
Electric Power Systems Research Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

Electr. Rev. (GB) (1968—)
Coden: ELREAG ISSN 0013-4384
Electrical Review IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Electr. Rev. Int. (GB) (vol.1, no.2 March 1984—)
Coden: EREIE9 ISSN 0013-4384
Electrical Review International Electrical-Electronic Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Electr. Superv. (GB) (vol.51, no.7 Sept. 1971—)
Coden: ELSUAZ
Electrical Supervisor Title changed to: Executive Eng. (GB)

†Electr. Technol. USSR (GB) (vol.1, no.1-3 1969—)
Coden: ELTGAW ISSN 0013-4155
Electric Technology USSR [Translation of: *Elektrichestvo (USSR)*]
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Electr. Times (GB) (1968—)
Coden: ELTIA4 ISSN 0013-4414
Electrical Times Dorset House, Stamford Street, London, SE1 9LU, England

Electr. Veh. Dev. (GB) (no.1 March 1979—)
Coden: EVDEDJ ISSN 0141-9811
Electric Vehicle Developments Institution of Electrical Engineers, Savoy Place, London WC2R 0BL, England

Electr. World (USA) (1968—)
Coden: ELWOA3 ISSN 0013-4457
Electrical World McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Electra (France) (1968—)
Coden: ECTRB3 ISSN 0424-7701
Electra 112 Boulevard Hausmann, 75008 Paris, France

Electri.onics (USA) (vol.29, no.1 Jan. 1983—)
Coden: ELETDX ISSN 0745-4309
Electri.onics Formerly: Insul./Circuits (USA)
Lake Publishing Corp., 17730 West Peterson Road, P.O.Box 159, Libertyville, IL 60048, USA

Electricidade (Portugal) (no.61 Sept.-Oct. 1969—)
Coden: ELDDAB ISSN 0013-4465
Electricidade Title changed to: Electr. Energ.-Electron. (Portugal)

Electricite (Belgium) (1968—)
Coden: ELTCAK ISSN 0013-4481
Electricite. Revue de l'Union des Exploitations Electriques en Belgique Title changed to: Electricite (Belgium)

Electricite (Belgium) (no.174 June 1982—)
Coden: LCTRDE ISSN 0013-4481
Electricite Formerly: Electricite (Belgium)
Union des Exploitations Electriques en Belgique, Galerie Ravenstein 4, Bte 6, 1000 Bruxelles, Belgium

Electro-Opt. Syst. Des. (USA) (vol.4, no.1 Jan. 1972—)
Coden: EOSDB6 ISSN 0424-8457
Electro-Optical Systems Design

Electro-Rev. (Switzerland) (vol.61, no.51 23 Dec. 1969—)
Coden: ERVUAO ISSN 0374-3101
Electro-Revue 8027 Zurich, Splugenstrasse 6, Switzerland

Electro-Technol. (India) (1968—)
Coden: ELTEAQ ISSN 0013-4643
Electro-Technology Society of Electronic Engineers, Electronics & Radar Development Establishment, Bangalore 1, India

Electroacoustique (Belgium) (no.15 Aug. 1969—)
Coden: ELACBS ISSN 0422-888X
Electroacoustique Universite de Liege, Laboratoire d'Electroacoustique, Liege, Belgium

Electrochem. Ind. Process. & Biol. (GB) (no.6 Nov.-Dec. 1971—)
Coden: EIPBBB ISSN 0306-4832
Electrochemistry in Industrial Processing and Biology Formerly: Appl. Electr. Phenom. (USA)
[Translation of: *Elektron. Obrab. Mater. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, England

Electrochem. Soc. India J.
See: J. Electrochem. Soc. India

Electrochem. Soc. J.
See: J. Electrochem. Soc. (USA)

†**Electrocompon. Sci. & Technol. (GB)** (vol.1, no.1 1974—)
Coden: ECSTC5 ISSN 0305-3091
Electrocomponent Science and Technology Formerly: Thin Films (GB)
Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Electrodeposition & Surf. Treat. (Switzerland) (vol.1, no.2 Nov. 1972—)
Coden: ELDPAD
Electrodeposition and Surface Treatment Title changed to: Surf. Technol. (Switzerland)

Electroencephalogr. & Clin. Neurophysiol. (Netherlands) (1968—)
Coden: ECNEAZ ISSN 0013-4694
Electroencephalography and Clinical Neurophysiology Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Electromagnetics (USA) (vol.2, no.1 Jan.-March 1982—)
Coden: ETRMDV ISSN 0272-6343
Electromagnetics Hemisphere Publishing Corp., 1025 Vermont Avenue, N.W., Washington, DC 20005, USA

Electromedica (Germany) (no.1 1973—)
Coden: ELMCBK ISSN 0013-4724
Electromedica Siemens Aktiengesellschaft, Medical Engineering Group, 8520 Erlangen, Henkestrasse 127, Germany

Electromyography & Clin. Neurophysiol. (Belgium) (vol.12, no.1 Jan.-March 1972—)
Coden: EMCNA9 ISSN 0301-150X
Electromyography and Clinical Neurophysiology Formerly: Electromyography (Belgium)
Nauwelaerts Publishing House, Mechelsestraat 148, Louvain, Belgium

Electromyography (Belgium) (vol.8, no.4 Nov.-Dec. 1968—)
Coden: ELMYAH
Electromyography Title changed to: Electromyography & Clin. Neurophysiol. (Belgium)

Electron (Canada) (vol.8, no.8 Aug. 1971—)
Coden: ELTNBK
Electron Title changed to: Audio Scene Can. (Canada)

Electron Opt. Rep. (USA) (vol.31, no.1EM April 1984—)
Electron Optics Reporter Formerly: Norelco Rep. (USA)
Philips Electronic Instruments Inc., 85 McKee Drive, Mahwah, NJ 07430, USA

†**Electron Technol. (Poland)** (vol.1, no.1 1968—)
Coden: ETNTAT ISSN 0070-9816
Electron Technology Instytut Technologii Elektronowej, Al. Lotnikow 32/46, 02-668 Warszawa, Poland

Electron. & Appl. Ind. (France) (no.230 15 Jan. 1977—)
Coden: EAINDQ
Electronique & Applications Industrielles Formerly: Electron. & Microelectron. Ind. (France). Merged with Autom. & Inf. Ind. to form Electron. Ind. (France)

Electron. & Commun.
See: Arch. Elektron. & Uebertragungstech. (Germany)

Electron. & Commun. (Canada) (vol.16, no.10 Oct. 1968—)
Coden: ECEPAN ISSN 0001-1096
Electronics and Communications Maclean-Hunter Ltd., 777 Bay Street, Toronto, Ont. M5G 2C8, Canada

Electron. & Commun. Jpn. (USA) (vol.52, no.2 Feb. 1969—)
Coden: ECOJAL ISSN 0424-8368
Electronics and Communications in Japan Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA. English translation of selected articles from Trans. Inst. Electron. & Commun. Eng. A, B, C, D, (Japan)

Electron. & Comput. Mon. (GB) (vol.3, no.1 Jan. 1983—)
Coden: ECOMDX ISSN 0264-5513
Electronics & Computing Monthly 67 High Street, Daventry, Northants. NN11 4BQ, England

Electron. & Microelectron. Ind. (France) (no.142 April 1971—)
Coden: EMCIAS
Electronique & Microelectronique Industrielles Formerly: Electron. Ind. (France). Title changed to: Electron. & Appl. Ind. (France)

Electron. & Music Maker (GB) (vol.4, no.4 June 1984—)
Coden: EMMAEO
Electronics & Music Maker Glidecastle Publishing Ltd., Alexander House, 1 Milton Road, Cambridge CB4 1UY, England

Electron. & Power (GB) (1968—)
Coden: ELPWAQ ISSN 0013-5127
Electronics and Power. Journal of the Institution of Electrical Engineers Savoy Place, London, WC2R OBL, England

Electron. & Radio Tech. (GB) (vol.3, no.1 March 1969—)
Coden: ERTNAR
Electronic and Radio Technician Title changed to: SERT J. (GB)

Electron. & Wireless World (GB) (vol.89, no.1574 Nov. 1983—)
Coden: EWWOEG ISSN 0266-3244
Electronics & Wireless World Formerly: Wireless World (GB)
Business Press International Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Electron. Appl. (Netherlands) (1968—)
Coden: ELAPAW
Electronic Applications Title changed to: Electron. Appl. Bull. (Netherlands)

Electron. Appl. Bull. (Netherlands) (vol.31, no.1 Feb. 1972—)
Coden: EABUBA
Electronic Applications Bulletin Formerly: Electron. Appl. (Netherlands). Merged with Mullard Tech. Commun. (GB) to form Electron. Components & Appl. (Netherlands)

Electron. Aust. (Australia) (vol.31, no.3 June 1969—)
Coden: EAUSAU ISSN 0313-0150
Electronics Australia Editorial address: 57-59 Regent Street, Sydney 2008, Australia

Electron. Banking & Finance (Netherlands) (vol.1, no.7 Sept. 1984—)
ISSN 0265-9239
Electronic Banking & Finance Elsevier International Bulletins, P.O.Box 211, 1000 AE Amsterdam, Netherlands. Elsevier International Bulletins, Mayfield House, 256 Banbury Road, Oxford OX2 7DH, England

†**Electron. Components & Appl. (Netherlands)** (vol.1, no.1 Oct. 1978—)
Coden: ECAPD6 ISSN 0141-6219
Electronic Components & Applications N.V. Philips' Gloeilampenfabrieken, Elcoma Marketing Communications, Eindhoven, Netherlands. Mullard Ltd., Technical Publications Department, New Road, Mitcham, Surrey CR4 4XY. Formed by merger of Electron. Appl. Bull. (Netherlands) and Mullard Tech. Commun. (GB)

Electron. Components (GB) (1968—)
Coden: ELCCA3
Electronic Components Title changed to: Electron. Ind. (GB)

Electron. Des. (USA) (vol.17, no.22 25 Oct. 1969—)
Coden: ELODAW ISSN 0013-4872
Electronic Design Hayden Publishing Co. Inc., 50 Essex Street, Rochelle Park, NJ 07662, USA

Electron. Electro-Optic Infrared Countermeas. (USA) (vol.1, no.1 May 1975—)
Coden: EEICDL
Electronic, Electro-Optic and Infrared Countermeasures Title changed to: Mil. Electron./Countermeas. (USA)

Electron. Eng. (GB) (1968—)
Coden: ELCEA9 ISSN 0013-4902
Electronic Engineering Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England

Electron. Equip. News (GB) (Nov. 1968—)
Coden: EEQNAN ISSN 0013-4910
Electronic Equipment News Business Publications Ltd., 109/119 Waterloo Road, London SE1 8UL, England

Electron. Imaging (USA) (vol.3, no.5 May 1984—)
Coden: ELIMEX ISSN 0737-6553
Electronic Imaging Morgan-Grampian Publishing Co., 1050 Commonwealth Avenue, Boston, MA 02215, USA

Electron. Ind. (France) (no.1 1 Sept. 1980—)
Coden: EIDUDA ISSN 0244-903X
Electronique Industrielle Societe des Editions Radio, 9 rue Jacob, 75006 Paris, France. Formed by merger of Autom. & Inf. Ind. (France) and Electron. & Appl. Ind. (France)

Electron. Ind. (France) (1968—)
Coden: ETINAK
Electronique Industrielle Title changed to: Electron. & Microelectron. Ind. (France)

Electron. Ind. (GB) (vol.1, no.1 Sept. 1975—)
Coden: EINDD9 ISSN 0307-2401
Electronics Industry Formerly: Electron. Components (GB)
ES Publications Ltd., 46-50 Coombe Road, New Malden, Surrey KT3 4QH, England

Electron. Inf. & Plann. (India) (vol.1, no.1 Oct. 1973—)
Coden: ELIPB5 ISSN 0304-9876
Electronics Information and Planning Electronics Commission, E-Wing, Pushpa Bhavan, New Delhi 110 062, India

Electron. Learn. (USA) (vol.1, no.1 Sept.-Oct. 1981—)
Coden: ELEADA ISSN 0278-3258
Electronic Learning Scholastic Inc., 50 West 44th Street, New York, NY 10036, USA

†**Electron. Lett. (GB)** (1968—)
Coden: ELLEAK ISSN 0013-5194
Electronics Letters Institution of Electrical Engineers, Savoy Place, London, WC2R OBL, England

Electron. Libr. (GB) (vol.1, no.4 Oct. 1983—)
Coden: ELLIDZ ISSN 0264-0473
Electronic Library Learned Information Ltd., Besselsleigh Road, Abingdon, Oxford OX13 6LG, England

Electron. Manuf. & Test (GB) (June 1983—)
Coden: ELMTD5 ISSN 0265-301X
Electronics Manufacture & Test Techpress Publishing Co. Ltd., Walton House, 93 High Street, Bromley BR1 1JW, England

Electron. Packag. & Prod. (Int. Ed.) (USA) (vol.8, no.10 Oct. 1968—)
Coden: ELPPA5
Electronic Packaging and Production Title changed to: Electron. Prod. Methods & Equip. (GB)

Electron. Packag. & Prod. (USA) (vol.17, no.4 April 1977—)
Coden: ELPPA5 ISSN 0013-4945
Electronic Packaging and Production Cahners Publishing Co., 270 St. Paul Street, Denver, CO 80206, USA

Electron. Prod. (GB) (vol.6, no.4 May 1977—)
Coden: ELPDB4 ISSN 0306-333X
Electronic Production Formerly: Electron. Prod. Methods & Equip. (GB)
Kiver-Patterson Publishing, 322 St. John Street, London EC1, England

Electron. Prod. Des. (GB) (vol.1, no.2 May 1980—)
Coden: EPDEDB ISSN 0360-1307
Electronic Product Design Techpress Publishing Co. Ltd., Walton House, 93 High Street, Bromley, Kent BR1 1JW, England

Electron. Prod. Methods & Equip. (GB) (vol.2, no.4 May 1973—)
Coden: ELPDB4
Electronic Production Methods and Equipment Formerly: Electron. Packag. & Prod. (Int. Ed.) (USA) Title changed to: Electron. Prod. (GB)

Electron. Prog. (USA) (vol.12, no.3—)
Coden: ELTPAP ISSN 0013-4961
Electronic Progress Raytheon Co., Lexington, MA 02173, USA

Electron. Publ. & Bookselling (USA) (vol.2, no.3 May 1984—)
Coden: EEPBDJ ISSN 0737-5336
Electronic Publishing and Bookselling Oryx Press, 2214 North Central at Encanto, Phoenix, AZ 85004, USA

Electron. Publ. Rev. (GB) (vol.1, no.1 March 1981—)
Coden: EPURDX ISSN 0260-6658
Electronic Publishing Review Learned Information Ltd., Besselsleigh Road, Abingdon, Oxford OX13 6LG, England

Electron. Rep. (Ireland) (vol.1, no.1 Nov. 1981—)
Coden: ELERDR ISSN 0332-3544
Electronics Report Computer Publications of Ireland Ltd., 'Birchdale', Cherrywood Road, Loughlinstown, Co. Dublin, Ireland

Electron. Sound + RTE (Switzerland) (vol.5, no.9 Sept. 1982—)
Coden: ESRTDB ISSN 0254-4350
Electronic Sound + RTE Formerly: RTE (Switzerland)
AT Fachschriftenverlag Electronic Sound, Bahnhofstrasse 39-43, CH-5001 Aarau, Switzerland

Electron. Syst. News (GB) (May 1983—)
Coden: ESNWDY ISSN 0265-0096
Electronic Systems News Institution of Electrical Engineers, Savoy Place, London WC2R OBL, England

Electron. Tech. & Ind. (France) (no.1 Oct. 1983—)
Coden: ETINEO
Electronique Techniques et Industries ESI Publications, 12 rue de Seine, 75006 Paris, France

Electron. Technol. (GB) (vol.12, no.1 Jan. 1978—)
Coden: ETSTDN ISSN 0141-061X
Electronic Technology Formerly: SERT J. (GB)
Society of Electronic and Radio Technicians, 57-61 Newington Causeway, London SE1 6BL, England

Electron. Test (USA) (vol.2, no.2 Feb. 1979—)
Coden: ELTEDT ISSN 0164-9620
Electronics Test Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA

Electron. Times (GB) (no.280 23-30 Aug. 1984—)
Electronics Times Morgan-Grampian (Publishers) Ltd., Calderwood Street, London SE18 6QH, England

Electron. Today (India) (vol.1, no.5 Dec. 1968—)
Coden: ETAYAD ISSN 0374-3063
Electronics Today 4-A Naaz Bldg., Lamington Road, Bombay-4, India

Electron. Today Int. (GB) (Dec. 1977—)
Coden: ETINDN ISSN 0142-7229
Electronics Today International Argus Specialist Publications Ltd., 145 Charing Cross Road, London WC2H 0EE, England

Electron. Warf. Def. Electron. (USA) (vol.10, no.6 June 1978—)
Coden: EWDEDQ
Electronic Warfare Defense Electronics Title changed to: Def. Electron. (USA)

Electron. Week (USA) (vol.57, no.15 23 July 1984—)
ISSN 0748-3252
Electronics Week Formerly: Electronics (USA)
McGraw-Hill Inc., 1221 Avenue of the Americas, New York, NY 10020, USA

Electron. Wkly. (GB) (no.1228 1 Aug. 1984—)
Coden: ELWYAX
Electronics Weekly Business Press International Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Electronics (USA) (1968—)
Coden: ELECAD ISSN 0013-5070
Electronics Title changed to: Electron. Week (USA)

Electrophotography (Japan) (vol.11, no.2 1972—)
Coden: ELPYAW ISSN 0387-916X
Electrophotography Society of Electrophotography of Japan, Tokyo, Japan

Electroplat. & Met. Finish. (GB) (vol.23, no.2 Feb. 1970—)
Coden: EMFIA9
Electroplating and Metal Finishing Merged into: Finish. Ind. (GB)

Electrotech. Lab. Bull.
See: Bull. Electrotech. Lab. (Japan)

Electrotech. Lab. Circ.
See: Circ. Electrotech. Lab. (Japan)

Electrotech. Lab. Res.
See: Res. Electrotech. Lab. (Japan)

Electrotech. News (GB) (vol.1, no.2 Jan. 1984—)
Coden: ELNEEY
Electrotechnical News Formerly: Electr. & Mech. Executive Eng. (GB)
Published for the Association of Supervisory & Executive Engineers by Vaughan Publications Ltd., Vaughan Road, Harpenden, Herts. AL5 4ED, England

Electrotechnology (GB) (vol.1, no.1 Jan. 1973—)
Coden: ETNYBB ISSN 0306-8552
Electrotechnology Formerly: Electr. & Electron. Tech. Eng. (GB)
Institution of Electrical and Electronics Technician Engineers, 2 Savoy Hill, London, WC2R OBS, England

Electroteh. Electron. & Autom. Autom. & Electron. (Rumania) (vol.19, no.1 March 1975—)
Coden: EAAEDR ISSN 0254-2242
Electrotehnica, Electronica si Automatica. Automatica si Electronica Formerly: Autom. & Electron. (Rumania)
O.I.D.-M.I.C.M.U.E., Bucuresti, Calea Victoriei nr. 133, Rumania

†**Electroteh. Electron. & Autom. Electroteh. (Rumania)** (vol.23, no.1 Jan. 1975—)
Coden: EEAEDL ISSN 0376-4745
Electrotehnica, Electronica si Automatica. Electrotehnica Formerly: Electrotehnica (Rumania)
O.I.D.-M.I.C.M.U.E., Bucuresti, Calea Victoriei nr. 133, Rumania

Electrotehnica (Rumania) (1968—)
Coden: ELTTA3
Electrotehnica Title changed to: Electroteh. Electron. & Autom. Electroteh. (Rumania)

Elektor (GB) (vol.1, no.2 1975—)
Coden: ELEKD6 ISSN 0308-308X
Elektor Elektor Publishers Ltd., Elektor House, 10 Longport, Canterbury CT1 1PE, England

Elektr. & Teplovoznaya Tyaga (USSR) (no.12 Dec. 1968—)
Coden: ETTYA6 ISSN 0422-9274
Elektricheskaya i Teplovoznaya Tyaga Editorial Address: 107140 Moskva B-140, Krasnoprualnaya ul., 22/24, rep. 262-12-32, USSR

Elektr. Bahnen (Germany) (1968—)
Coden: ELBAAQ ISSN 0013-5437
Elektrische Bahnen R. Oldenbourg Verlag GmbH, 8 Munchen 80, Rosenheimer Strasse 145, Germany

Elektr. Energ.-Tech. (Germany) (vol.26, no.1 Jan. 1981—)
Coden: EETEDE ISSN 0170-2033
Elektrische Energie-Technik Dr. Alfred Huthig Verlag GmbH, Im Weiher 10, Postfach 10 28 69, 6900 Heidelberg 1, Germany

Elektr. Masch. (Germany) (vol.48, no.7 July 1969—)
Coden: ELMCAJ ISSN 0013-5445
Elektrische Maschinen Huthig & Pflaum Verlag GmbH & Co., 69 Heidelberg 1, Wilckenstrasse 3-5, Germany

Elektr. Stantsii (USSR) (1968—)
Coden: EKSTAP ISSN 0201-4564
Elektricheskie Stantsii Editorial address: B.Cherkasskii per 2, Moskva K-12, USSR [English translation in: *Sov. Power Eng. (USA)*]

†**Elektrichestvo (USSR)** (1968—)
Coden: ELEKA3 ISSN 0013-5380
Elektrichestvo Editorial address: B.Cherkasskii per 2, Moskva K-12, USSR [English translations of selected articles in:*Electr. Technol. USSR (GB)*]

†**Elektrie (Germany)** (1968—)
Coden: EKTRAO ISSN 0013-5399
Elektrie Kammer der Technik, Fachverband Elektrotechnik Publication address: VEB Verlag Technik, Oranienburger Strasse 13-14, Berlin 102, Germany

Elektrizitaet (Germany) (vol.19, no.12 Dec. 1969—)
Coden: EZABAK
Elektrizitat Title changed to: Strompraxis (Germany)

Elektrizitaetsverwertung (Switzerland) (1968—)
Coden: EKZVAW ISSN 0013-5488
Elektrizitatsverwertung (L'Electrique Electrical Service) Elektrowirtschaft, Victoriahaus, Bahnhofplatz 9, Postfach 2272, 8023 Zurich, Switzerland

Elektrizitaetswirtschaft (Germany) (1968—)
Coden: EKZWAZ ISSN 0013-5496
Elektrizitatswirtschaft VDEW, Stresemannallee 23, 6000 Frankfurt (Main) 70, Germany

Elektro (Norway) (vol.86, no.2 25 Jan. 1973—)
Coden: EEROAV ISSN 0013-550X
Elektro Formerly: Elektrotek. Tidsskr. (Norway)
Ingeniorsforlaget A/S, Ingeniorenes Hus, Kronprinsensgt. 17, Boks 2476, Oslo 2, Norway

Elektro Med. Biomed. & Tech. (Germany) (vol.15, no.5 Sept. 1970—)
Coden: ELMDAM
Elektro Medizin. Biomedizin und Technik Title changed to: Biomed. Tech. (Germany)

Elektro Prom.-st. & Priborostr. (Bulgaria) (no.1 1972—)
Coden: ELPBAV ISSN 0013-5763
Elektro Promishlenost i Priborostroene Poshcenska Kutiya 98, UL 'Ivan Vazov 16, Sofiya 1080, Bulgaria

Elektro-Anz. (Germany) (vol.21, no.12 18 Sept. 1968—)
Coden: EKANAJ ISSN 0013-5518
Elektro-Anzeiger W. Girardet, 43 Essen, Giradetstrasse 2-38, Postfach 9, Germany

Elektro-Jahr (Germany) (Jan. 1981—)
Coden: ELJADZ
Elektro-Jahr Issued with: *Elektrotechnik (Germany)*

Elektro-Monteur (Switzerland) (vol.19, no.3 April 1968—)
Coden: EMONAZ
Elektro-Monteur Title changed to: Elektrotechnik (Switzerland)

Elektrokhimiya (USSR) (vol.7, no.7 1971—)
Coden: ELKKAX
Elektrokhimiya Institut-Elektrokhimii. Akademiya Nauk SSSR, Moskva-V71, Leninskii Prospekt 31, USSR [English translation in: *Sov. Electrochem. (USA)*]

Elektromeister & Dtsch. Elektrohandwerk (Germany) (vol.21, no.22 25 Nov. 1968—)
Coden: EMDEAL ISSN 0012-1258
Elektromeister & Deutsches Elektrohandwerk Huthig & Pflaum Verlag, 8 Munchen 19, Lazarettstrasse 4, Germany

Elektron (S. Africa) (vol.1, no.1 Jan. 1984—)
Coden: ELEKE7
Elektron South African Institute of Electrical Engineers, P.O.Box 61019, Mashalltown 2107, Transvaal, South Africa

Elektron Int. (Austria) (no.21-22 1969—)
Coden: EKITA9 ISSN 0374-3098
Das Elektron International 'Elektron'-Verlag, Postfach 156, A-4010 Linz-Donau, Austria

Elektron. Anz. (Germany) (vol.3, no.3 1971—)
Coden: EANZAG ISSN 0013-5666
Elektronik Anzeiger Title changed to: Elektron. Appl. (Germany)

Elektron. Appl. (Germany) (vol.12, no.10 Oct. 1980—)
Coden: EAPPDX ISSN 0720-101X
Elektronik Applikation Formerly: Elektron. Anz. (Germany) Title changed to: EEE (Germany)

Elektron. Datenverarb. (Germany) (vol.10, no.6 Sept. 1968—)
Coden: ELDAA2
Elektronische Datenverarbeitung Title changed to: Angew. Inf. (Germany)

Elektron. Entwickl. (Germany) (vol.13, no.10 Oct. 1978—)
Coden: ELEEDM ISSN 0172-6153
Elektronik Entwicklung Formerly: Bauelem. Elektrotech. (Germany)
Verlag fur Technik und Wirtschaft Meynen KG, Postfach 5769, D-6200 Wiesbaden, Germany

Elektron. Heute (Germany) (no.16 April 1979—)
Coden: ELHED3 ISSN 0171-4198
Elektronik Heute Kontron Elektronik GmbH, 8057 Eching bei Munchen, Breslauer Strasse 2, Germany

Elektron. Ind. (Germany) (vol.1, no.6 Dec. 1970—)
Coden: EKIDAT ISSN 0374-3144
Elektronik Industrie Elektro-Welt Verlag DR. Huthig, 6900 Heidelberg 1, Wilckensstrasse 3-5, Postfach 102869, Germany

†Elektron. Informationsverarb. Kybern. (Germany) (1968—)
Coden: EIVKAX ISSN 0013-5712
Elektronische Informationsverarbeitung und Kybernetik (EIK) Akademie-Verlag, DDR 108 Berlin, Leipziger Strasse 3-4, Germany

Elektron. J. (Germany) (vol.6, no.12 Dec. 1971—)
Coden: EKTJAY ISSN 0013-5674
Elektronik Journal Europa Fachpresse Verlag GmbH, 8 Munchen 40, Leopoldstrasse 175, Germany

Elektron. Model. (USSR) (no.1 Jan.-Feb. 1980—)
Coden: ELMODO ISSN 0204-3572
Elektronnoe Modelirovanie Izdatel'stvo 'Naukova Dumka', 252601 Kiev GSP, Ul. Repina 3, USSR

Elektron. Obrab. Mater. (USSR) (no.4 July-Aug. 1967—)
Coden: EOBMAF ISSN 0013-5739
Elektronnaya Obrabotka Materialov Academy of Sciences of the Moldavian SSR, Agent: Mezhdunarodnaya Kniga, Moskva G 200, USSR [English translation in: *Electrochem. Ind. Process. & Biol. (GB)*]

Elektron. Prax. (Germany) (vol.11, no.6 June 1976—)
Coden: EKPXAM ISSN 0341-5783
Elektronik Praxis Vogel-Verlag KG, Max Plank-Strasse 7/9, 8700-Wurzburg, Germany

Elektron. Rechenanlagen (Germany) (1968—)
Coden: ELRAA4 ISSN 0013-5720
Elektronische Rechenanlagen R. Oldenbourg Verlag GmbH, 8 Munchen 80, Rosenheimerstrasse 145, Germany. Incorporates Comput. Prax. (Germany)

Elektron. Tekh. Ser. 12 (USSR) (no.4 1970—)
Coden: ETUKA3
Elektronnaya Tekhnika. Seriya 12 Ministerstvo Elektronnoy Promishlennosti SSSR, Institut 'Elektronika', Moskva, USSR

Elektronica (Netherlands) (vol.29, no.7 8 April 1981—)
Coden: LKTNDO ISSN 0033-7854
Elektronica Formerly: Radio Elektron. (Netherlands)
Kluwer Technische Tijdschriften B.V., Postbus 23, 7400 GA Deventer, Netherlands

Elektronik (Denmark) (vol.13, no.1 Jan. 1972—)
Coden: ELKOAB ISSN 0013-5631
Elektronik Title changed to: Elteknik (Denmark)

Elektronik (Germany) (1968—)
Coden: EKRKAR ISSN 0013-5658
Elektronik Franzis-Verlag GmbH, 8 Munchen 37, Postfach 3701 20, Karlstrasse 37, Germany

Elektronika (Poland) (vol.11, no.2 1970—)
Coden: EKNTBZ ISSN 0033-2089
Elektronika Formerly: Przegl. Elektron. (Poland)
Editorial address: Al. Swierczewskiego, 95/99, M. 43, III p., 00-144, Warszawa, Poland

Elektroniker (Switzerland) (vol.7, no.5 Sept. 1968—)
Coden: ELKRBL ISSN 0374-3020
Der Elektroniker Aargauer Tagblatt AG, 5001 Aarau, Switzerland

Elektronikschau (Austria) (vol.53, no.1 1977—)
Coden: ELTRDY ISSN 0254-4318
Elektronikschau Formerly: Radio Elektron. Schau (Austria)
Technisher Verlag Erb Ges. m.b.H., A-1061 Wien 6, Mariahilfer Strasse 71, Postfach 101, Austria

Elektroprivreda (Yugoslavia) (1968—)
Coden: EKPVAG ISSN 0013-5755
Elektroprivreda Yugoslav Electricity Union and the Association of Yugoslav Electrical Industry. Editorial address: Balkanska 13-15, Beograd, Yugoslavia

†Elektrosvyaz (USSR) (1968—)
Coden: EKVZAO ISSN 0013-5771
Elektrosvyaz Ministerstvo svyazi SSR, USSR [English translation in: *Telecommun. & Radio Eng. Part 1 (USA)*]

Elektrotech. & Maschinenbau (EuM) (Austria) (1968—)
Coden: EKMBA9 ISSN 0012-8058
Elektrotechnik und Maschinenbau Springer Verlag, 1A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

Elektrotech. Cas. (Czechoslovakia) (1968—)
Coden: ELKCA9 ISSN 0013-578X
Elektrotechnicky Casopis 89530 Bratislava, Klemensova 19, Czechoslovakia

†Elektrotech. Obz. (Czechoslovakia) (1968—)
Coden: EKOBAJ ISSN 0013-5798
Elektrotechnicky Obzor SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Elektrotech. Z. ETZ (Germany) (vol.100, no.1 Jan. 1979—)
Coden: EELZD3 ISSN 0170-1711
Elektrotechnische Zeitschrift ETZ VDE-Verlag GmbH, Bismarkstrasse 33, D-1000 Berlin 12, Germany. Formed by merger of Electrotech. Z. ETZ A (Germany) and Electrotech. Z. ETZ B (Germany)

Elektrotech. Z. ETZ A (Germany) (1968—)
Coden: EKZAA3
Elektrotechnische Zeitschrift ETZ A Merged with Electrotech. Z. ETZ B (Germany) to form Elektrotech. Z. ETZ (Germany)

Elektrotech. Z. ETZ B (Germany) (1968—)
Coden: EKZBA6
Elektrotechnische Zeitschrift ETZ B Merged with Electrotech. Z. ETZ. A (Germany) to form Elektrotech. Z. ETZ (Germany)

Elektrotechniek (Netherlands) (1968—)
Coden: ELTKAA ISSN 0013-5801
Elektrotechniek Eendrachtstraat 2, Postbus 6, 7940 AA Meppel, Netherlands

Elektrotechnik (Czechoslovakia) (1968—)
Coden: EKTRBP ISSN 0013-581X
Elektrotechnik SNTL, 111302 Praha 1, Spalena ul. 51, Czechoslovakia

Elektrotechnik (Germany) (vol.52, no.3 4 Feb. 1970—)
Coden: EKTCBE ISSN 0013-581X
Elektrotechnik Vogel-Verlag KG, Max-Planck-Strasse 7-9, 8700 Wurzburg, Germany

Elektrotechnik (Switzerland) (vol.27, no.8 Nov. 1976—)
Coden: EKTKD6 ISSN 0013-581X
Elektrotechnik Formerly: Elektro-Monteur (Switzerland)
Verlags-Aktiengesellschaft, verlag "Elektrotechnik", Apfelhausenweg 14, Postfach 68, 5001 Aarau, Switzerland

†Elektrotechnika (Hungary) (1968—)
Coden: EKTTAU ISSN 0367-0708
Elektrotechnika Kultura, H-1389 Budapest, P.O. Box 149, Hungary

†Elektroteh. Vestn. (Yugoslavia) (1968—)
Coden: ELVEA2 ISSN 0013-5852
Elektrotehniski Vestnik Editorial address: YU-61001 Ljubljana, P.O. Box 92 - II, Trzaska 25, Yugoslavia

†Elektrotehnika, Zagreb (Yugoslavia) (1968—)
Coden: ELTHB2 ISSN 0013-5844
Elektrotehnika Elektrotechnicko Drustvo Hrvatske, Zagreb, Bevislavicerva 6, Ikat, Soba br. 20, Yugoslavia

Elektrotek. Tidsskr. (Norway) (1968—)
Coden: ETTDAB
Elektroteknisk Tidsskrift Title changed to: Elektro (Norway)

Elektrotekhnika (USSR) (1968—)
Coden: ELKTAQ ISSN 0013-5860
Elektrotekhnika Izdatel'stvo 'Energiya', 113114 Moskva, M-114 Shlyuzovaya Nab., 10, USSR [English translation in: *Sov. Electr. Eng. (USA)*]

Elektrowaerme (Germany) (1968—)
Coden: ELWIBK
Internationale Zeitschrift fur Elektrowarme Journal split into Elektrowaerme Int. Ed. A (Germany) and Elektrowaerme Int. Ed. B (Germany)

Elektrowaerme Int. Ed. A (Germany) (vol.30, no.A1 Jan. 1972—)
Coden: EIEADN
Elektrowarme International, Edition A Title changed to: ETA Elektrowaerme Tech. Ausbau Ed. A (Germany)

†Elektrowaerme Int. Ed. B (Germany) (vol.30, no.B1 Feb. 1972—)
Coden: EIEBDQ ISSN 0340-3521
Elektrowarme International, Edition B Vulkan-Verlag Dr. W. Classen Nachf. GmbH & Co. KG, D43 Essen, Haus der Technik, Postfach 7049, Germany. Supersedes in part: Elektrowaerme (Germany)

Elettrificazione (Italy) (vol.11 Nov. 1969—)
Coden: ELTZAL ISSN 0013-6093
Elettrificazione Editoriale Delfino, Via S. d'Orsenigo 25, 20135 Milano, Italy

Elettron. & Telecomun. (Italy) (1968—)
Coden: ETTCB9 ISSN 0013-6123
Elettronica e Telecomunicazioni Via Arsenale 41, 10121 Torino, Italy

Elettron. Oggi (Italy) (Nov. 1976—)
Coden: ELOGDA ISSN 0391-6391
Elettronica Oggi Jackson Italiana Editrice S.r.l., P. Le Massari, 22, 20125 Milano, Italy

Elettrotecnica (Italy) (1968—)
Coden: ETRTAF ISSN 0013-6131
Elettrotecnica Ufficio Centrale AEI, Viale Monza 259, 20126 Milano, Italy

†Elin-Z. (Austria) (1968—)
Coden: ELNZAP ISSN 0302-2560
Elin-Zeitschrift Elin Union, A-1141 Wien XIV, Penzinger Strasse 76, Austria

Eltek. Aktuell Elektron. (Sweden) (vol.21, no.1 19 Jan. 1978—)
Coden: ETAEBM ISSN 0346-6310
Elteknik med Aktuell Elektronik Formerly: Eltek. Aktuell Elektron. A (Sweden)
Ingenjorsforlaget AB, Box 27315, 102 54 Stockholm, Sweden

Eltek. Aktuell Elektron. A (Sweden) (vol.15, no.11 Nov. 1972—)
Coden: ETAEBM
Elteknik med Aktuell Elektronik Edition A Formerly: Elteknik (Sweden) Title changed to: Eltek. Aktuell Elektron. (Sweden)

Elteknik (Denmark) (vol.1, no.1 Feb. 1984—)
Coden: ELTEEU ISSN 0109-2359
Elteknik Formerly: Elektronik (Denmark)
Teknisk Forlag A/S, Skelbaekgade 4, 1717 Kobenhavn V, Denmark

Elteknik (Sweden) (1968—)
Coden: ETKKAL
Elteknik Title changed to: Eltek. Aktuell Elektron. A (Sweden)

Endeavour (GB) (1968—)
Coden: ENDEAS
Endeavour Title changed to: Endeavour New Ser. (GB)

Endeavour New Ser. (GB) (vol.1, no.1 1977—)
Coden: ENDEAS ISSN 0160-9327
Endeavour, New Series Formerly: Endeavour (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Energ. & Atomtech. (Hungary) (vol.22, no.6 June 1969—)
Coden: ENATAO ISSN 0013-7316
Energia es Atomtechnika Kiadja a Lapkiado Vallalat, Budapest VII, Lenin Korut 9-11, Hungary

Energ. Elettr. (Italy) (vol.58, no.1 Jan. 1981—)
Coden: ENELAK ISSN 0013-7308
Energia Elettrica AEI-Associazione Elettrotecnica ed Elettronica Italiana, Viale Monza 259, 20126 Milano, Italy. Formed by merger of Energ. Elettr. A (Italy) and Energ. Elettr. B (Italy)

Energ. Elettr. A (Italy) (vol.57, no.11 Nov. 1980—)
Coden: ENELAK
Energia Elettrica A Merged with Energ. Elettr. B (Italy) to form Energ. Elettr. (Italy)

Energ. Elettr. B (Italy) (vol.57, no.8 Aug. 1980—)
Coden: ENELAK
Energia Elettrica B Merged with Energ. Elettr. A (Italy) to form Energ. Elettr. (Italy)

Energ. Fluide & Lubr. Hydraul. Pneum. Asservissements (France) (1968—)
Coden: EFHPAP
Energie Fluide et Lubrification + Hydraulique Pneumatique Asservissements Formerly: Hydraul. Pneum. Asservissements (France) Title changed to: Energ. Fluide (France)

Energ. Fluide (France) (no.58 Feb. 1973—)
Coden: ENFLAP ISSN 0291-8331
Energie Fluide Formerly: Energ. Fluide & Lubr. Hydraul. Pneum. Asservissements (France)
Compagnie Francais d'Editions, 40 rue Colisee, 75381 Paris Cedex 08, France

Energetica (Rumania) (1968—)
Coden: EGTAAD ISSN 0423-1082
Energetica Editorial address: Bucuresti, Bd. Energeticienilor 8 Sectorul 4, Rumania

Energetik (USSR) (1968—)
Coden: EGTKA9 ISSN 0013-7278
Energetik Editorial address: 109068 Moskva, Ul. Avtozavodskaya, 14/23, USSR

Energetika (Czechoslovakia) (1968—)
Coden: EGKAA2 ISSN 0375-8842
Energetika SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Energetyka (Poland) (1968—)
Coden: EGYAA4 ISSN 0013-7294
Energetyka Subscription Address: Wydawnictwo NOT, UL. Mazowieckiej 12, 00-048 Warszawa, Poland

Energia Nuclear (Spain) (vol.16, no.75 Jan.-Feb. 1972—)
Coden: ENNCA4 ISSN 0013-7324
Energia Nuclear Junta de Energia Nuclear, Avda. Complutense 22, Ciudad Universitaria, Madrid-3, Spain

Energie (Germany) (vol.21, no.6 June 1969—)
Coden: ENERA4 ISSN 0013-7359
Energie Technischer Verlag Resch KG, 8032 Grafelfing, Postfach 1129, Germany

Energiespectrum (Netherlands) (vol.1, no.1 Jan. 1977—)
Coden: NRGSDB ISSN 0165-2117
Energiespectrum Formerly: Atoomenerg. Toepass. (Netherlands) Energieonderzoek Centrum Nederland, Scheveningseweg 112, Den Haag, Netherlands

Energietechnik (Germany) (1968—)
Coden: ETNKA2 ISSN 0013-7421
Energietechnik VEB Deutscher Verlag fur Grundstoffindustrie, Karl-Heine-Strasse 27, 7031 Leipzig, Germany

Energietechnik (Switzerland) (vol.2, no.5 May 1984—)
Energietechnik Industrie-Verlag AG, 4010 Basel, Postfach, Switzerland

Energiewirtsch. Tagesfragen (Germany) (vol.19, no.11 Nov. 1969—)
Coden: EWTFA4 ISSN 0013-743X
Energiewirtschaftliche Tagesfragen Energiewirtschaft und Technik Verlagsgesellschaft mbH, 8032 Grafelfing, Postfach 1229, Germany

Energija (Yugoslavia) (vol.18, no.3-4 1969—)
Coden: ENJAAC ISSN 0013-7448
Energija Zagreb, Ulica Proletenskih Brigada 37, Post pretinae 293, Yugoslavia

Energy & Build. (Switzerland) (vol.2, no.3 Aug. 1979—)
Coden: ENEBDR ISSN 0378-7788
Energy and Buildings Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Energy (GB) (vol.1, no.1 March 1976—)
Coden: ENEYDS ISSN 0360-5442
Energy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Energy Commun. (USA) (vol.1, no.1 1975—)
Coden: ENCODM ISSN 0097-8159
Energy Communications Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Energy Convers. & Manage. (GB) (vol.20, no.1 1980—)
Coden: ECMADL ISSN 0196-8904
Energy Conversion and Management Formerly: Energy Convers. (GB) Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Energy Convers. (GB) (1968—)
Coden: ENERB5 ISSN 0013-7480
Energy Conversion Formerly: Adv. Energy Convers. (GB) Title changed to: Energy Convers. & Manage. (GB)

Energy Dev. (Germany) (no.1 April 1977—)
Coden: EDEVDH ISSN 0342-5665
Energy Developments Technischer Verlag Resch KG, Postfach 1129, D-8032 Grafelfing/Munchen, Germany

Energy Dev. Jpn. (USA) (vol.2, no.3 Jan. 1980—)
Coden: EDJADD ISSN 0161-8091
Energy Developments in Japan Rumford Publishing Co. Inc., Box 5370, Chicago, IL 60680, USA

Energy Eng. (USA) (vol.79, no.1 1982—)
Coden: EENGDO ISSN 0199-8595
Energy Engineering 4025 Pleasantdale Business Center, Atlanta, GA 30340, USA

Energy Int. (USA) (1968—)
Coden: ENEIBC
Energy International Title changed to: Mod. Power Syst. (USA)

Energy J. (New Zealand) (vol.54, no.4 April 1981—)
Coden: EJOUD4 ISSN 0111-5839
Energy Journal Formerly: N.Z. Energy J. (New Zealand) Technical Publications (UK) Ltd., P.O.Box 14-116, Panmure, Auckland, New Zealand

Energy Policy (GB) (vol.1, no.1 June 1973—)
Coden: ENPYAC ISSN 0301-4215
Energy Policy Butterworths Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Energy Sources (USA) (vol.1, no.1 Fall 1973—)
Coden: EGYSAO ISSN 0090-8312
Energy Sources Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Energy Syst. & Policy (USA) (vol.1, no.1 Fall 1974—)
Coden: ESYPBW ISSN 0090-8347
Energy Systems and Policy Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Eng. & Technol. (Japan) (vol.7, no.2 1981—)
Coden: KTGIAR ISSN 0454-1405
Engineering & Technology Formerly: Kogaku to Gijutsu (Japan) Kogakkai, Kansai University, Faculty of Engineering, Senriyama, Suita-shi, 564 Osaka, Japan

Eng. Anal. (GB) (vol.1, no.1 March 1984—)
Coden: ENGAEZ ISSN 0264-682X
Engineering Analysis CML Publications, Ashurst Lodge, Ashurst, Southampton SO4 2AA, England

Eng. Comput. (GB) (vol.1, no.1 May 1982—)
Coden: ENGCD6 ISSN 0263-4759
Engineering Computers Innopress Ltd., Franks Hall, Horton Kirby, Kent DA4 9LL, England

Eng. Costs & Prod. Econ. (Netherlands) (vol.7, no.3 Sept. 1983—)
Coden: ECPEDE ISSN 0167-188X
Engineering Costs and Production Economics Elsevier Science Publishers B.V., P.O.Box 330, 1000 AH Amsterdam, Netherlands

†Eng. Cybern. (USA) (1968—)
Coden: ENCYAF ISSN 0013-788X
Engineering Cybernetics [Translation of: *Tekh. Kibern. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA

Eng. Dig. (GB) (vol.37, no.10 Oct. 1976—)
Coden: ENDGAY ISSN 0013-8169
Engineers' Digest 120 Wigmore Street, London, W1 1YZ, England

Eng. Econ. (USA) (vol.14, no.3 Spring 1969—)
Coden: ENECAR ISSN 0013-791X
Engineering Economist American Society for Engineering Education, Engineering Education Division, 300 West Chestnut Street, Ephrata, PA 17522, USA

†Eng. Fract. Mech. (GB) (1968—)
Coden: EFMEAH ISSN 0013-7944
Engineering Fracture Mechanics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Eng. J. (Canada) (1968—)
Coden: ENJOAK ISSN 0013-8010
Engineering Journal Engineering Institute of Canada, 700 EIC Building, 2050 Mansfield Street, Montreal 110, Quebec H3A 1Y9, Canada

Eng. Manage. Int. (Netherlands) (vol.1, no.1 July 1981—)
Coden: EMIND8 ISSN 0167-5419
Engineering Management International Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Eng. Mater. & Des. (GB) (vol.14, no.9 Oct. 1971—)
Coden: EMTDAU ISSN 0308-6917
Engineering Materials & Design IPC Industrial Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Eng. Med. (GB) (vol.2, no.4 Oct. 1973—)
Coden: EGMDAL ISSN 0046-2039
Engineering in Medicine Institution of Mechanical Engineers, 1 Birdcage Walk, London, SW1H 9JJ, England

Eng. Optimization (GB) (vol.1, no.1 1974—)
Coden: EGOPAX ISSN 0305-215X
Engineering Optimization Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Engineer (GB) (vol.245, no.6344 27 Oct. 1977—)
Coden: ENGIAL ISSN 0013-7758
Engineer Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England

Engineering (GB) (vol.122, no.10 Oct. 1981—)
Coden: ENGNA2 ISSN 0013-7782
Engineering Design Council, 28 Haymarket, London SW1Y 4SU, England

Entropie (France) (vol.9, no.49 Jan.-Feb. 1973—)
Coden: ENTPA5 ISSN 0013-9084
Entropie Editions Bartheye & Co., 54 avenue Marceau, F-75008 Paris, France

Entwicklungsber. Siemens & Halske (Germany) (1968—)
Coden: ESHKAX
Entwicklungsberichte der Siemens und Halske Aktiengesellschaft, Title changed to: Siemens Forsch.- & Entwicklungsber. (Germany)

Environ. & Exp. Bot. (GB) (vol.18, no.1 Feb. 1978—)
Coden: EEBODM ISSN 0098-8472
Environmental and Experimental Botany Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Environ. Eng. (GB) (1968—)
Coden: ENENBR
Environmental Engineering Title changed to: J. Soc. Environ. Eng. (GB)

Environ. Monit. & Assess. (Netherlands) (vol.1, no.1 1981—)
Coden: EMASDH ISSN 0167-6369
Environmental Monitoring and Assessment D. Reidel Publishing Co., P.O.Box 17, 3300 AA Dordrecht, Netherlands

Environ. Sci. & Technol. (USA) (vol.13, no.6 June 1979—)
Coden: ESTHAG ISSN 0013-936X
Environmental Science and Technology American Chemical Society, 1155 16th Street, N.W., Washington, DC 20036, USA

EOQC Qual. (Switzerland) (vol.22, no.4 1978—)
Coden: EOQUDF ISSN 0033-5169
EOQC Quality EOQC Secretariat, c/o ATAG, Department of Information and Technical Associations , P.O. Box 2613, CH-3001 Berne, Switzerland

EPE (Belgium) (vol.14, no.2 1979—)
Coden: RETPAH ISSN 0556-7734
EPE U.R.T.B., rue des Champs Elysees 43, B-1050 Brussels, Belgium

EPRI J. (USA) (vol.5, no.7 Sept. 1980—)
Coden: EPRJDS ISSN 0362-3416
EPRI Journal Electric Power Research Institute, P.O.Box 10412, Palo Alto, CA 94303, USA

Equip. Ind. Achats & Entretien (France) (vol.22, no.247 Oct. 1973—)
Coden: EIAEDF ISSN 0396-6666
Equipement Industriel Achats et Entretien Formerly: Achats & Entretien Mater. Ind. (France) Les Nouvelles du Monde, 13 rue de Liege, 75009 Paris, France

ERA (Sweden) (1968—)
Coden: ERAFAA ISSN 0013-9939
ERA Foreningen for Elektricitetens Rationella Anvandning. Norrtullsgatan 6, Box 6405, 113 82 Stockholm, Sweden

Ercole Marelli (Italy) (vol.51, no.1-2 1977—)
Coden: ERMADO
Ercole Marelli Formerly: Marelli (Italy) 20121 Milano, via Borgonuovo 24, Italy

†Ericsson Rev. (Sweden) (1968—)
Coden: ERREAO ISSN 0014-0171
Ericsson Review LM Ericsson, S-12625 Stockholm 32, Sweden

ESA Bull. (France) (no.9 May 1977—)
Coden: ESABD8 ISSN 0376-4265
ESA Bulletin ESA Space Documentation Service, 8-10 rue Mario Nikis, 75738 Paris Cedex 15, France

ESA J. (Netherlands) (vol.1, no.1 1977—)
Coden: ESAJDW ISSN 0379-2285
ESA Journal Formerly: ESA Sci. & Tech. Rev. (Netherlands) ESA Scientific & Technical Information Branch, ESTEC, Noordwijk, Netherlands

ESA Sci. & Tech. Rev. (Netherlands) (vol.2, no.1 1976—)
Coden: ESARDM
ESA Scientific and Technical Review Title changed to: ESA J. (Netherlands)

Escher Wyss News (Switzerland) (vol.41, no.2 1968—)
Coden: ESWNAF ISSN 0367-1402
Escher Wyss News Merged into Sulzer Tech. Rev. (Switzerland)

ESF Synchrotron Radiat. News (France) (no.6 1981—)
Coden: NIMRD9
ESF Synchrotron Radiation News Issued with: *Nucl. Instrum. & Methods Phys. Res. (Netherlands)*

ETA Elektrowaerme Tech. Ausbau Ed. A (Germany) (vol.35, no.A1 Jan. 1977—)
Coden: EETAD2 ISSN 0174-6189
ETA Elektrowarme im Technischen Ausbau Edition A Formerly: Elektrowaerme Int. Ed. A (Germany)
Vulkan-Verlag Dr W. Classen Nachf. GmbH & Co. KG, D 43 Essen 1, Haus der Technik, Postfach 7049, Germany

ETZ Arch. (Germany) (no.1 Jan. 1979—)
Coden: ETZADZ ISSN 0170-1703
ETZ Archiv VDE-Verlag GmbH, Bismarckstrasse 33, D-1000 Berlin 12, Germany

Eur. Appl. Res. Rep. Nucl. Sci. Technol. Sect. (USA) (vol.1, no.3 1979—)
Coden: EARRDF ISSN 0379-4229
European Applied Research Reports, Nuclear Science Technology Section Published for the Commission of the European Communities by Harwood Academic Publishers, P.O. Box 786, Cooper Station, New York, NY 10003, USA

Eur. Assoc. Theor. Comput. Sci. Bull.
See: Bull. Eur. Assoc. Theor. Comput. Sci. (Austria)

Eur. Biophys. J. (Germany) (vol.11, no.1 1984—)
European Biophysics Journal Formerly: Biophys. Struct. & Mech. (Germany)
Springer-Verlag, Postfach 10 52 80, D-6900 Heidelberg 1, Germany

Eur. Broadcast. Union Rev. Tech.
See: EBU Rev. Tech. (Belgium)

Eur. Digital Manage. Rep. (Engl. Ed.) (Switzerland) (Sept. 1984—)
Europa Digital Management Report (English Edition) Digital Equipment Corporation International (Europe), 12 Avenue des Morgines, C.P. 510, 1213 Petit-Lancy 1, Geneva, Switzerland

Eur. J. Comb. (GB) (vol.2, no.1 March 1981—)
Coden: EJOCDI ISSN 0195-6698
European Journal of Combinatorics Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

Eur. J. Eng. Educ. (Netherlands) (vol.3, no.1 Spring 1978—)
Coden: EJEED8 ISSN 0304-3797
European Journal of Engineering Education Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Eur. J. Nucl. Med. (Germany) (vol.4, no.1 1979—)
Coden: EJNMD9 ISSN 0340-6997
European Journal of Nuclear Medicine Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Eur. J. Oper. Res. (Netherlands) (vol.2, no.1 Jan. 1978—)
Coden: EJORDT ISSN 0377-2217
European Journal of Operational Research North-Holland Publishing Co., P.O. Box 103, 1000 AC Amsterdam, Netherlands

†**Eur. J. Phys. (GB)** (vol.1, no.1 1980—)
Coden: EJPHD4 ISSN 0143-0807
European Journal of Physics Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

Eur. J. Sci. Educ. (GB) (vol.1, no.1 Jan.-March 1979—)
Coden: EJSEDA ISSN 0140-5284
European Journal of Science Education Taylor & Francis Ltd., 10-14 Macklin Street, London WC2 5NF, England

Eur. Polym. J. (GB) (vol.15, no.7 1979—)
Coden: EUPJAG ISSN 0014-3057
European Polymer Journal Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Eur. Semicond. Des. & Prod. (GB) (vol.4, no.3 Sept. 1983—)
Coden: ESDPEW ISSN 0306-333X
European Semiconductor Design & Production Formerly: Semicond. Prod. (GB)
KP Publishing Ltd., 322 St. John Street, London EC1, England

Eur. Semicond. Prod. (GB) (vol.3, no.1 Feb. 1982—)
Coden: ESEPD2 ISSN 0306-333X
European Semiconductor Production KP Publishing Ltd., 322 St. John Street, London EC1, England

Eur. Space Agency Bull.
See: ESA Bull. (France)

Eur. Space Agency J.
See: ESA J. (Netherlands)

Euromicro J. (Netherlands) (vol.4, no.3 May 1978—)
Coden: EUJOD4 ISSN 0167-3858
Euromicro Journal Formerly: Euromicro Newsl. (France) Title changed to: Microprocess. & Microprogram. (Netherlands)

Euromicro Newsl. (France) (vol.1, no.1 1975—)
Euromicro Newsletter Title changed to: Euromicro J. (Netherlands)

Europhys. News (Switzerland) (vol.11, no.10 Oct. 1980—)
Coden: EUPNAS ISSN 0531-7479
Europhysics News European Physical Society, P.O.Box 69, CH-1213 Petit-Lancy 2, Switzerland

Eval. Eng. (USA) (vol.7, no.5 Sept.-Oct. 1968—)
Coden: EVENAE ISSN 0149-0370
Evaluation Engineering A. Verner Nelson Associates, Nelson Building, 1282 Old Skokie Road, Highland Park, IL 60035, USA

EX Mag. (Germany) (no.4 June 1978—)
Coden: EXMADW ISSN 0176-0920
EX Magazine R. Stahl GmbH & Co., P.O. Box 210, Bergstrasse 2, D-7118 Kunzelsau, Germany

Executive (Canada) (June 1983—)
Coden: EXECDW ISSN 0014-4509
Executive Airmedia, 2973 Weston Road, P.O.Box 510, Weston, Ont. M9N 3R3, Canada

Executive Eng. (GB) (vol.56, no.1 Feb.-March 1976—)
Coden: EXENDV
Executive Engineer Formerly: Electr. Superv. (GB) Title changed to: Electr. & Mech. Executive Eng. (GB)

Exp. Mech. (USA) (vol.13, no.9 Sept. 1973—)
Coden: EXMCAZ ISSN 0014-4851
Experimental Mechanics Society for Experimental Stress Analysis, 14 Fairfield Drive, Brookfield Center, CT 06805, USA

Exp. Tech. (USA) (vol.7, no.1 Jan. 1983—)
Coden: EXPTD2
Experimental Techniques Society for Experimental Stress Analysis, 14 Fairfield Drive, Brookfield Center, CT 06805, USA

†**Exp. Tech. Phys. (Germany)** (1968—)
Coden: EXPPAL ISSN 0014-4924
Experimentelle Technik der Physik VEB Deutscher Verlag der Wissenschaften, 108 Berlin, Johannes-Dieckmann Strasse 10, Germany

Expert Syst. (GB) (vol.1, no.1 July 1984—)
ISSN 0266-4720
Expert Systems Learned Information (Europe) Ltd., Besselsleigh Road, Abingdon, Oxford OX13 6LG, England

Faraday Disc. Chem. Soc. (GB) (no.65 1978—)
Coden: FDCSB7 ISSN 0301-7249
Faraday Discussions of the Chemical Society Faraday Division, Burlington House, London W1V 0BN, England

Faraday Symp. Chem. Soc. (GB) (no.11 1977—)
Coden: FSYCA3 ISSN 0301-5696
Faraday Symposia of the Chemical Society Faraday Division Burlington House, London W1V 0BN, England

†**Fatigue Eng. Mater. & Struct. (GB)** (vol.1, no.1 1979—)
Coden: FMSTDJ ISSN 0160-4112
Fatigue of Engineering Materials and Structures Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Feingeraetetechnik (Germany) (1968—)
Coden: FGRTA3 ISSN 0014-9683
Feingeratetechnik VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

Feinwerktech. & Messtech. (Germany) (vol.82, no.5 July-Aug. 1974—)
Coden: FEMEDO ISSN 0340-1952
Feinwerktechnik & Messtechnik Carl Hanser Verlag, D-8000 Munchen 80, Kolbergerstrasse 22, Germany. Formed by merger of Feinwerktech. & Micronic (Germany) and Messtechnik (Germany)

Feinwerktech. & Micronic (Germany) (vol.77, no.1 Jan. 1973—)
Coden: FWTMA2
Feinwerktechnik & Micronic Merged with Messtechnik (Germany) to form Feinwerktech. & Messtech. (Germany)

Felsmech.-Mec. Roches
See: Rock Mech. (Austria)

Fernmelde-Ing. (Germany) (1968—)
Coden: FINGAQ ISSN 0015-010X
Fernmelde-Ingenieur Verlag fur Wissenschaft und Leben, Georg Heidecker, Kulsheimer Strasse 11, 8532 Bad Windsheim, Germany

Fernmelde-Praxis (Germany) (vol.45, no.22 25 Nov. 1968—)
Coden: FEPXAP ISSN 0015-0118
Fernmelde-Praxis Fachverlag Schiele und Schon GmbH, Markgrafenstrasse 11, 1000 Berlin 61, Germany

Fernmeldetechnik (Germany) (vol.11, no.1 Jan. 1971—)
Coden: FERNB6 ISSN 0015-0126
Fernmeldetechnik VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

Fernseh- & Kino-Tech. (Germany) (vol.25, no.1 Jan. 1971—)
Coden: FNKTAH ISSN 0015-0142
Fernseh- und Kino-Technik Huthig und Pflaum Verlag, 8000 Munchen 2, Postfach 201920, Germany

Fernwaerme Int. (Germany) (vol.1, no.1 1972—)
Coden: FRWMAG ISSN 0340-3572
Fernwarme International 6000 Frankfurt (Main) 70, Stresemannallee 23, Germany

†**Ferroelectr. Lett. Sect. (GB)** (vol.44, no.1 1982—)
Coden: FELEDJ ISSN 0731-5171
Ferroelectrics Letters Section Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†**Ferroelectrics (GB)** (vol.1, no.1 March 1970—)
Coden: FEROA8 ISSN 0015-0193
Ferroelectrics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Fertigungstech. & Betr. (Germany) (1968—)
Coden: FTGBAJ ISSN 0015-024X
Fertigungstechnik und Betrieb VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

†**Fiber & Integrated Opt. (USA)** (vol.1, no.1 1977—)
Coden: FOIOD2 ISSN 0146-8030
Fiber and Integrated Optics Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Financ. Anal. J. (USA) (1983—)
Coden: FIAJA4
Financial Analysts Journal Financial Analysts Federation, 1633 Broadway, New York, NY 10019, USA

Financ. Executive (USA) (vol.50, no.4 April 1982—)
Coden: FIEXAW ISSN 0015-1998
Financial Executive Financial Executives Institute, 10 Madison Avenue, P.O.Box 1938, Morristown, NJ 07960, USA

Financ. World (USA) (vol.153, no.6 7-20 March 1984—)
Coden: FIWOAR ISSN 0015-2064
Financial World Financial World Partners, 1450 Broadway, New York, NY 10018, USA

Finish. Ind. (GB) (vol.1, no.1 Jan. 1977—)
Coden: FIINDP ISSN 0309-3018
Finishing Industries Title changed to: Finishing (GB)

Finishing (GB) (vol.6, no.6 June 1982—)
Coden: FINIE2 ISSN 0264-2506
Finishing Formerly: Finish. Ind. (GB)
Wheatland Journals Ltd., Penn House, Penn Place, Rickmansworth, Herts. WD3 1SN, England

Finommech.-Mikrotech. (Hungary) (vol.12, no.4 April 1973—)
Coden: FNMKAY ISSN 0324-7007
Finommechanika-Mikrotechnika Formerly: Finommechanika (Hungary)
Lapkiado Vallalat, 1073 Budapest 7, Lenin Korut 9-11, Hungary

Finommechanika (Hungary) (1968—)
Coden: FINOAG
Finommechanika Title changed to: Finommech.-Mikrotech. (Hungary)

Fis. & Tecnol. (Italy) (vol.1, no.1 Jan.-March 1978—)
Coden: FITEDJ ISSN 0391-9757
Fisica e Tecnologia Societa Italiana di Fisica, Via Loderingo Degli Andalo 2, 40124 Bologna, Italy

† indicates a journal abstracted completely

Fiz. & Khim. Obrab. Mater. (USSR) (no.1 Jan.-Feb. 1972—)
Coden: FKOMAT ISSN 0015-3214
Fizika i Khimiya Obrabotki Materialov Izdatel'stvo 'Nauka' 103717 GSP Moskva, K-62, Podsosenskii Per., 21, USSR [English translation in: *Phys. & Chem. Mater. Treat. (GB)*]

Fiz. & Khim. Stekla (USSR) (vol.1, no.2 1975—)
Coden: FKSTD5 ISSN 0132-6651
Fizika i Khimiya Stekla Izdatel'stvo 'Nauka', Leningradskoe Otdelenie 199164 Leningrad, V-164, Mendeleevskaya Liniya 1, USSR [English translation in: *Sov. J. Glass Phys. & Chem. (USA)*]

Fiz. & Tekh. Poluprovodn. (USSR) (1968—)
Coden: FTPPA4 ISSN 0015-3222
Fizika i Tekhnika Poluprovodnikov Publisher: Academy of Sciences of the USSR, 'Nauka' Press, Moscow and Leningrad. Subscription address: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Semicond. (USA)*]

†**Fiz. Elem. Chastits & At. Yadra (USSR)** (vol.4, no.1 1973—)
Coden: FECAAR ISSN 0367-2026
Fizika Elementarnykh Chastits i Atomnogo Yadra 103031 Moskva K31, Ul. Zhlanova 5, USSR [English translation in: *Sov. J. Part. & Nucl. (USA)*]

Fiz. Goreniya & Vzryva (USSR) (1968—)
Coden: FGVZA7 ISSN 0430-6228
Fizika Goreniya i Vzryva Publication House 'Nauka', Siberian Division, Novosibirsk, USSR [English translation in: *Combust. Explos. & Shock Waves (USA)*]

†**Fiz. Met. & Metalloved. (USSR)** (1968—)
Coden: FMMTAK ISSN 0015-3230
Fizika Metallov i Metallovedenie Izdatel'stvo Akademii Nauk SSSR, Sverdlovsk, USSR [English translation in: *Phys. Met. & Metallogr. (GB)*]

†**Fiz. Nizk. Temp. (USSR)** (vol.1, no.1 1975—)
Coden: FNTEDK ISSN 0132-6414
Fizika Nizkikh Temperatur Izdatel'stvo "Naukova Dumka", 252601 Kiev, Repina 3, USSR [English translation in: *Sov. J. Low Temp. Phys. (USA)*]

†**Fiz. Plazmy (USSR)** (vol.1, no.2 March-April 1975—)
Coden: FIPLDK ISSN 0367-2921
Fizika Plazmy Izdatel stvo Nauka', 103717 Moskva, K-62 Podsosenskii 21, USSR [English translation in: *Sov. J. Plasma Phys. (USA)*]

Fiz. Sz. (Hungary) (vol.19, no.12 Dec. 1969—)
Coden: FISZA6 ISSN 0015-3257
Fizikai Szemle Kiadja a Lapkiado Vallalat, Budapest VII, Lenin korut 9-11, Hungary

†**Fiz. Tverd. Tela (USSR)** (1968—)
Coden: FTVTAC ISSN 0367-3294
Fizika Tverdogo Tela Academy of Sciences Press, Moscow and Leningrad. Subscription address: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Solid State (USA)*]

Fiz.-Khim. Mekh. Mater. (USSR) (vol.6, no.2 1970—)
Coden: FKMMAJ ISSN 0430-6252
Fiziko-Khimicheskaya Mekhanika Materialov Izdatel'stvo 'Naukova Dumka', 252601 Kiev, Repina 3, USSR [English translation in: *Sov. Mater. Sci. (USA)*]

†**Fizika (Yugoslavia)** (vol.1, no.4 1969—)
Coden: FZKAAA ISSN 0015-3206
Fizika Mladost Export-Import, 41000 Zagreb, Ilica 30, Yugoslavia

Fluid Apparecch. Idraul. & Pneum. (Italy) (vol.11, no.9 Oct. 1971—)
Coden: FAIPB7 ISSN 0374-3225
Fluid Apparecchiature Idrauliche e Pneumatiche Formerly: Apparecch. Idraul. Pneum. (Italy)
20154 Milano, via Mantegna 6, Italy

Fluid Dyn. (USA) (vol.5, no.1 Jan.-Feb. 1970—)
Coden: FLDYAH ISSN 0015-4628
Fluid Dynamics [Translation of: *Izv. Akad. Nauk SSSR Mekh. Zhidk. & Gaza*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Fluid Mech. - Sov. Res. (USA) (vol.1, no.1 Jan.-Feb. 1972—)
Coden: FMSVAM ISSN 0096-0764
Fluid Mechanics - Soviet Research Scripta Publishing Co., 1511 K Street, N.W., Washington, DC 20005, USA

Fluid Phase Equilibria (Netherlands) (vol.1, no.1 Sept. 1977—)
Coden: FPEQDT ISSN 0378-3812
Fluid Phase Equilibria Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

Fluid Power Int. (GB) (1968—)
Coden: FLPIAT
Fluid Power International Incorporated with Des. Eng. (GB)

Fluid. Q. (USA) (vol.3, no.3 July 1971—)
Coden: FLQUA2 ISSN 0015-4687
Fluidics Quarterly Title changed to: J. Fluid Control (USA)

FMS Mag. (GB) (vol.2, no.1 Jan. 1984—)
Coden: FMSMEX ISSN 0263-9777
FMS Magazine IFS (Publications) Ltd., 35-39 High Street, Kempston, Bedford MK42 7BT, England

Foerdermittel J. (Germany) (vol.16, no.4 April 1984—)
ISSN 0015-5233
Fordermittel Journal Europa-Fachpresse-Verlag GmbH, Leopoldstrasse 175, 8000 Munchen 40, Germany

Foerdern & Heben (Germany) (vol.21, no.15 Nov. 1971—)
Coden: FOHBAN ISSN 0373-6482
Fordern und Heben Krausskopf Verlag fur Wirtschaft GmbH, 6500 Mainz, Lessingstrasse 12, Postfach 2760, Germany

Folia Fac. Sci. Nat. Univ. Purkynianae Brunensis Phys. (Czechoslovakia) (vol.14, no.2 1973—)
Coden: FNPBAM ISSN 0323-0287
Folia Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis, Physica University J.E. Purkyne, 61137 Brno-Kotlarska 2, Czechoslovakia

Fonderie - Fondeur d'Ajourd'hui (France) (no.2 Feb. 1981—)
Coden: FFAUDJ ISSN 0249-3136
Fonderie - Fondeur d'Ajourd'hui Editions Techniques des Industries de la Fonderie, 12 Avenue Raphael, 75016 Paris, France

Forschungsber. Landes Nordrhein-Westfalen (Germany) (1968—)
Coden: FLNWAR ISSN 0367-2492
Forschungsberichte des Landes Nordrhein-Westfalen Westdeutscher Verlag, Gustav-Stresemann-Ring 12-16, 6200 Weisbaden 1, Germany

Forth Dimensions (USA) (vol.3, no.1 May-June 1981—)
Coden: FODMD5
Forth Dimensions Forth Interest Group, P.O.Box 1105, San Carlos, CA 94070, USA

Fortschr. Phys. (Germany) (1968—)
Coden: FPYKA6 ISSN 0015-8208
Fortschritte der Physik Akademie-Verlag, DDR-108 Berlin, Leipzigerstrasse 3-4, Germany

Fortune (USA) (vol.108, no.7 3 Oct. 1983—)
Coden: FORTAP ISSN 0738-5587
Fortune Title changed to: Fortune Int. (USA)

Fortune Int. (USA) (vol.110, no.1 9 July 1984—)
Coden: FOINEY ISSN 0738-5587
Fortune International Formerly: Fortune (USA)
Time Inc., 3435 Wilshire Boulevard, Los Angeles, CA 90010, USA

†**Found. Control Eng. (Poland)** (vol.3, no.2 1978—)
Coden: FCENDV ISSN 0324-8747
Foundations of Control Engineering Institute of Control Engineering, Technical University of Poznan, 60-965 Poznan, Poland

†**Found. Phys. (USA)** (vol.3, no.1 March 1973—)
Coden: FNDPA4 ISSN 0015-9018
Foundations of Physics Plenum Publishing Co., 233 Spring Street, New York, NY 10013, USA

Fr. Railw. Rev. (GB) (vol.1, no.1 April 1983—)
Coden: FRRVDL ISSN 0264-5769
French Railway Review [Translation of: *Rev. Gen. Chemins de Fer (France)*] North Oxford Academic Publishing Co. Ltd., 242 Banbury Road, Oxford OX2 7DW, England

Fra Fys. Verden (Norway) (vol.34, no.1 1972—)
Coden: FYVDAX ISSN 0015-9247
Fra Fysikkens Verden Fysisk Institutt, Universitetet i Trondheim, Norges Laererhogskole, 7000 Trondheim, Norway

Franklin Inst. J.
See: J. Franklin Inst. (USA)

Freddo (Italy) (vol.23, no.1 Jan.-Feb. 1969—)
Coden: FREDAZ ISSN 0016-0296
Il Freddo Soc. P. E. G., Via Filli Bressan 2, 20126 Milano, Italy

†**Frequenz (Germany)** (1968—)
Coden: FQNZA3 ISSN 0016-1136
Frequenz Fachverlag Schiele und Schon GmbH, Markgrafenstrasse 11, 1000 Berlin 61, Germany

Fudan J. (China) (no.1 March 1978—)
Coden: FTHPDZ ISSN 0254-3044
Fudan Journal Fudan University, Shanghai, People's Republic of China

Fuji Electr. Rev. (Japan) (vol.17, no.3 1971—)
Coden: FUERBV ISSN 0429-8284
Fuji Electric Review Fuji Electric Co. Ltd., 12-1, 1-chome, Yurakucho, Chiyoda-ku, Tokyo, Japan

Fujikura Tech. Rev. (Japan) (no.44 Sept. 1971—)
Coden: FKDGAO ISSN 0429-8357
Fujikura Technical Review Fujikura Cable Works Ltd., 5-1, 1-chome Kiba, Koto-ku, Tokyo, Japan

Fujitsu (Japan) (vol.34, no.7 1983—)
Coden: FUJTAR ISSN 0016-2515
Fujitsu Fujitsu Ltd., 1015 Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa 211, Japan

†**Fujitsu Sci. & Tech. J. (Japan)** (1968—)
Coden: FUSTA4 ISSN 0016-2523
Fujitsu Scientific and Technical Journal Fujitsu Ltd., 1015 Kamikodanaka, Nakahara-ku, Kawasaki 211, Kanagawa, Japan

Fukui Daigaku Kogakubu Kenkyu
See: Mem. Fac. Eng. Fukui Univ. (Japan)

Fukui Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Fukui Univ. (Japan)

Funct. Photogr. (USA) (vol.10, no.5 Sept. 1975—)
Coden: FUPHDO ISSN 0360-7216
Functional Photography Formerly: Photogr. Appl. Sci. Technol. & Med. (USA)
Photographic Applications in Science and Technology Inc., 250 Fulton Avenue, Hempstead, NY 11550, USA

Fundam. Cosmic Phys. (GB) (vol.3, no.3-4 1978—)
Coden: FNCPAX ISSN 0094-5846
Fundamentals of Cosmic Physics Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Fundam. Inf.
See: Ann. Soc. Math. Pol. Ser. IV: Fundam. Inf. (Poland)

Funk-Fachhaendler (Germany) (vol.20, no.23 Dec. 1968—)
Coden: FUFABJ ISSN 0341-003X
Funk-Fachhandler Verlag Neuer Merkur GmbH, 8 Munchen 46, Ingoldstadter Strasse 63A, Postfach 460805, Germany

Funk-Tech. (Germany) (no.10 May 1968—)
Coden: FUTEAW ISSN 0016-2825
Funk-Technik Huthig & Pflaum Verlag, 69 Heidelberg 1, Postfach 102869, Germany

Funkschau (Germany) (vol.47, no.4 14 Feb. 1975—)
Coden: FUSHA2 ISSN 0016-2841
Funkschau Franzis-Verlag GmbH, 8 Munchen 2, Postfach 370120, Karlstrasse 37, Germany

Furukawa Denko Jiho
See: Furukawa Electr. Rev. (Japan)

Furukawa Electr. Rev. (Japan) (no.46 July 1969—)
Coden: FKDJAX ISSN 0429-9159
Furukawa Electric Review Furukawa Electric Co., 6-1 Marunochi, 2-chome, Chiyoda-ku, Tokyo, Japan

Furukawa Rev. (Japan) (no.1 Sept. 1980—)
Coden: FUREDP ISSN 0429-9159
Furukawa Review Furukawa Electric Co. Ltd., 6-1 Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

Fusion (USA) (vol.4, no.5-6 March-April 1981—)
Coden: FUSID8 ISSN 0148-0537
Fusion Fusion Energy Foundation, 304 West 58th Street, Fifth Floor, New York, NY 10019, USA

Futurist (USA) (vol.17, no.4 Aug. 1983—)
Coden: FUTUAC ISSN 0016-3317
The Futurist World Future Society, 4916 St. Elmo Avenue, Bethesda, MD 20814-5089, USA

Fuzzy Sets & Syst. (Netherlands) (vol.1, no.1 1978—)
Coden: FSSYD8 ISSN 0165-0114
Fuzzy Sets and Systems North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Fys. Tidsskr. (Denmark) (vol.69, no.4-5 1971—)
Coden: FYTIA4 ISSN 0016-3392
Fysisk Tidsskrift Subscription address: Jul. Gjellerups Boghandel, Solvgade 87, 1307 Kobenhavn, Denmark

Fyz. Cas. (Czechoslovakia) (1968—)
Coden: FYCABW
Fyzikalny Casopis Title changed to: Acta Phys. Slovaca (Czechoslovakia)

G. Fis. (Italy) (vol.24, no.1 Jan.-March 1983—)
Coden: GFSIAD ISSN 0017-0283
Giornale di Fisica Societa Italiana di Fisica, Presso l'Istituto di Fisica, Via P. Giuria 1, 10125 Torino, Italy

Galvanotechnik (Germany) (vol.63, no.11 15 Nov. 1972—)
Coden: GVTKAY ISSN 0016-4232
Galvanotechnik Eugen G. Leuze Verlag, 7968 Saulgau (Wurtt.), Postfach 8, Germany

Gas Turbine World & Cogeneration (USA) (vol.13, no.3 July-Aug. 1983—)
Coden: GTWCDE
Gas Turbine World & Cogeneration Pequot Publishing Inc., 654 Hillside Road, Fairfield, CT 06430, USA. →Journal split into two parts: Gas Turbine World (USA) and Cogeneration (USA)

Gas Turbine World (USA) (vol.14, no.2 March-April 1984—)
Coden: GTWODG ISSN 0746-4134
Gas Turbine World Pequot Publishing Inc., 654 Hillside Road, Fairfield, CT 06430, USA. Supersedes in part: Gas Turbine World & Cogeneration (USA)

Gaz. Mat. (Portugal) (1968—)
Coden: GZMTAK ISSN 0373-2681
Gazeta de Matematica Rue Diaro de Noticias, 134-1, Lisboa, Portugal

GEC Eng. (GB) (vol.1, no.1 1983—)
Coden: GECEEK
GEC Engineering Formerly: GEC J. Sci. & Technol. (GB)
General Electric Co. p.l.c., 1 Stanhope Gate, London W1A 1EH, England

†**GEC J. Res. Incorp. Marconi Rev. (GB)** (vol.1, no.1 1983—)
Coden: GJRSDZ ISSN 0264-9187
GEC Journal of Research Incorporating the Marconi Review Formerly: Marconi Rev. (GB)
GEC Research Laboratories, Marconi Research Centre, Great Baddow, Chelmsford, Essex CM2 8HN, England

GEC J. Sci. & Technol. (GB) (vol.39, no.2 1972—)
Coden: GJSTA6 ISSN 0022-4421
GEC Journal of Science & Technology Formerly: J. Sci. & Technol. (GB) Title changed to: GEC Eng. (GB)

GEC Telecommun. (GB) (no.39 1972—)
Coden: GECTAR ISSN 0046-5593
GEC Telecommunications Formerly: GEC-AEI Telecommun. (GB)
GEC Telecommunications Ltd., P.O. Box 53, Coventry, CV3 1HJ, England

GEC Telecommun. (GB) (1968—)
Coden: GECTAR
GEC Telecommunications Title changed to: GEC-AEI Telecommun. (GB)

GEC-AEI Telecommun. (GB) (no.37 1968—)
Coden: GATCAX
GEC-AEI Telecommunications Formerly: GEC Telecommun. (GB) Title changed to: GEC Telecommun. (GB)

Geliotekhnika (USSR) (1968—)
Coden: GLOTAY ISSN 0130-0997
Geliotekhnika Academy of Sciences of the Uzbek SSR, Tashkent, USSR [English translation in: *Appl. Sol. Energy (USA)*]

†**Gen. Relativ. & Gravitation (USA)** (vol.3, no.1-2 June 1972—)
Coden: GRGVA8 ISSN 0001-7701
General Relativity and Gravitation Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Geochim. & Cosmochim. Acta (GB) (vol.41, no.4 April 1977—)
Coden: GCACAK ISSN 0016-7037
Geochimica et Cosmochimica Acta Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Geoexploration (Netherlands) (vol.9, no.4 Oct. 1971—)
Coden: GEOXAV ISSN 0016-7142
Geoexploration Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Geofiz. Appar. (USSR) (no.68 1979—)
Coden: GEAPA5 ISSN 0435-3374
Geofizicheskaya Apparatura Izdatel'stvo 'Nedra', Leningradskoe Otdelenie, Leningrad C-171, Ul. Farforovskaya 12, USSR

Geofiz. Koeslemenyek (Hungary) (vol.18, no.4 1969—)
Coden: GEKOAI ISSN 0016-7177
Geofizikai Koslemenyek Title changed to: Geophys. Trans. (Hungary)

Geofiz. Sb. (USSR) (no.44 1971—)
Coden: GFSUAF
Geofizicheskii Sbornik Title changed to: Geofiz. Zh. (USSR)

Geofiz. Zh. (USSR) (vol.1, no.1 1979—)
Coden: GEZHD7 ISSN 0203-3100
Geofizicheskii Zhurnal Formerly: Geofiz. Sb. (USSR)
Izdatel'stvo 'Naukova Dumka', 252601 Kiev GSP, Repina 3, USSR [English translation in: *Geophys. J. (GB)*]

Geofys. Publ. (Norway) (1968—)
Coden: GFPBAB
Geofysiske Publikasjoner Title changed to: Geophys. Norv. (Norway)

GeoJournal (Netherlands) (vol.7, no.6 1983—)
Coden: GEOJDQ ISSN 0343-2521
GeoJournal D. Reidel Publishing Co., P.O.Box 17, 3300 AA Dordrecht, Netherlands

Geol. & Geofiz. (USSR) (vol.19, no.7 1978—)
Coden: GGASAS ISSN 0016-7886
Geologiya i Geofizika Akadamiya Nauk SSSR, Sibirskoe Otdelenie, Prospekt Nauki 21, Novosibirsk, USSR [English translation in: *Sov. Geol. & Geophys. (USA)*]

Geol. J. (GB) (vol.19, no.2 April-June 1984—)
Coden: GELJA8 ISSN 0072-1050
Geological Journal John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Geomagn. & Aeron. (USA) (1968—)
Coden: GMARAX ISSN 0016-7932
Geomagnetism and Aeronomy [Translation of: *Geomagn. & Aeron. (USSR)*] American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Geomagn. & Aeron. (USSR) (1968—)
Coden: GEAEA6 ISSN 0016-7940
Geomagnetizm i Aeronomiya Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Geomagn. & Aeron. (USA)*]

Geomagn. Ser. Earth Phys. Branch (Canada) (no.3 1975—)
Coden: GSGCDT ISSN 0704-3015
Geomagnetic Series, Earth Physics Branch Energy, Mines and Resources Canada, 1 Observatory Crescent, Ottawa K1A OE4, Canada

Geophys. & Astrophys. Fluid Dyn. (GB) (vol.8, no.4 1977—)
Coden: GAFDD3 ISSN 0309-1929
Geophysical and Astrophysical Fluid Dynamics Formerly: Geophys. Fluid Dyn. (GB)
Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Geophys. Fluid Dyn. (GB) (vol.1, no.1-2 April 1970—)
Coden: GFDYAK
Geophysical Fluid Dynamics Title changed to: Geophys. & Astrophys. Fluid Dyn. (GB)

Geophys. J. (GB) (vol.3, no.3 1981—)
Coden: GJOUDQ ISSN 0275-9128
Geophysical Journal [Translation of: *Geofiz. Zh. (USSR)*] Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, USA

†**Geophys. J. R. Astron. Soc. (GB)** (1968—)
Coden: GEOJAN ISSN 0016-8009
Geophysical Journal of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Geophys. Mag. (Japan) (vol.39, no.2 March 1980—)
Coden: GEOMAW ISSN 0016-8017
Geophysical Magazine Japan Meteorological Agency, Library Section, Ote-machi, Chiyoda-ku, Tokyo, Japan

Geophys. Norv. (Norway) (vol.31, no.3 1976—)
Coden: GPNOA8 ISSN 0332-5903
Geophysica Norvegica Formerly: Geofys. Publ. (Norway)
Universitetsforlaget, P.O.Box 2959, Toyen, Oslo 6, Norway

Geophys. Prospect. (Netherlands) (vol.16, no.2 June 1968—)
Coden: GPPRAR ISSN 0016-8025
Geophysical Prospecting European Association of Exploration Geophysicists, P.O. Box 162, 2501 AN The Hague, Netherlands

†**Geophys. Res. Lett. (USA)** (vol.1, no.1 May 1974—)
Coden: GPRLAJ ISSN 0094-8276
Geophysical Research Letters American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Geophys. Surv. (Netherlands) (vol.1, no.1 Sept. 1972—)
Coden: GPSVAK ISSN 0046-5763
Geophysical Surveys D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Geophys. Trans. (Hungary) (vol.30, no.2 July 1984—)
Coden: GEKOAI ISSN 0016-7177
Geophysical Transactions (Geofizikai Kozlemenyek) Formerly: Geofiz. Koeslemenyek (Hungary)
Eotvos Lorand Geophysical Institute of Hungary, P.O.Box 35, H-1440 Budapest, Hungary

Geophysics (USA) (1968—)
Coden: GPYSA7 ISSN 0016-8033
Geophysics Society of Exploration Geophysicists, P.O. Box 3098, Tulsa, OK 74101, USA

GEOS (Canada) (Summer 1972—)
Coden: GEOSCI ISSN 0374-3268
GEOS Department of Energy, Mines and Resources, Ottawa, Canada

Geotechnics (Japan) (no.7 1971—)
Coden: CSKGAE ISSN 0374-325X
Geotechnics Geotechnical Research Office, Nippon Geophysical Prospecting Co. Ltd., 2-12, 2-chome, Nakamagome, Ohta-ku, Tokyo 143, Japan

Geotectonics (USA) (vol.17, no.4 1983—)
Coden: GEOTBK ISSN 0016-8521
Geotectonics [Translation of: *Geotektonika (USSR)*] American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Geotektonika (USSR) (1968—)
Coden: GTKTA2 ISSN 0016-853X
Geotektonika Izdatel'stvo 'Nauka', 103717 GSP Moskva K-62, Podsosenskii Per. 21, USSR [English translation in: *Geotectonics (USA)*]

Geothermal Energy (USA) (vol.8, no.2 Feb. 1980—)
Coden: GTEMAJ ISSN 0093-5700
Geothermal Energy Geothermal World Corp., 5762 Firebird court, Mission Oaks, Camarillo, CA 93010, USA

Geothermics (GB) (vol.7, no.1 1978—)
Coden: GTMCAT ISSN 0375-6505
Geothermics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Gerlands Beitr. Geophys. (Germany) (1968—)
Coden: BEGOAB ISSN 0016-8696
Gerlands Beitrage zur Geophysik Akademische Verlags-Gesellschaft Geest und Portig KG, Sternwartenstrasse 8, DDR 701 Leipzig 1, Germany

Gidromekhanika (USSR) (no.22 1972—)
Coden: GDMKBA ISSN 0367-4088
Gidromekhanika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Gidrotekh. Stroit. (USSR) (1968—)
Coden: GTSTA8 ISSN 0016-9714
Gidrotekhnicheskoe Stroitel'stvo Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Hydrotech. Constr. (USA)*]

Glas. Mat. Ser. III (Yugoslavia) (vol.36, no.1 1981—)
Coden: GLMAB2 ISSN 0017-095X
Glasnik Matematicki, Serija III Editorial address: 41001 Zagreb, Marulicev trg 19, pp 187, Yugoslavia

Glasers Ann.
See: Z. Eisenbahnwes. & Verkehrstech. (Glasers Ann.) (Germany)

Glasers Ann. (Germany) (1968—)
Coden: GLANAE
Glasers Annalen Title changed to: Z. Eisenbahnwes. & Verkehrstech. (Glasers Ann.) (Germany)

Glass & Ceram. (USA) (vol.26, no.3-4 March-April 1969—)
Coden: GLCEAV ISSN 0361-7610
Glass and Ceramics [Translation of: *Steklo & Keram. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Glass Technol. (GB) (vol.10, no.5 Oct. 1969—)
Coden: GLSTAK ISSN 0017-1050
Glass Technology Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield, S1o 5BT, England

Global Commun. (USA) (vol.1, no.2 Winter 1979—)
Coden: GLCODU ISSN 0195-2250
Global Communications Cardiff Publishing Co., 3900 Wadsworth Boulevard, Denver, CO 80235, USA

Gov. Data Syst. (USA) (vol.6, no.1 Jan.-Feb. 1977—)
Coden: GVDSBD ISSN 0046-6212
Government Data Systems United Business Publications Inc., 475 Park Avenue South, New York, NY 10016, USA

Gov. Ind. Res. Inst. Nagoya Rep.
See: Rep. Gov. Ind. Res. Inst. Nagoya (Japan)

Gov. Ind. Res. Inst. Osaka Rep.
See: Rep. Gov. Ind. Res. Inst. Osaka (Japan)

†Greenwich Time Rep. (GB) (Jan.-March 1979—)
Coden: GTREDT ISSN 0264-4177
Greenwich Time Report Royal Observatory, Hertsmonceux Castle, Hailsham, East Sussex BN27 1RP, England

Grundig Tech. Inf. (Germany) (vol.16, no.1-2 1969—)
Coden: GRTIAY ISSN 0017-4912
Grundig Technische Informationen Grundig Werke GmbH, 8510 Furth (Bayern), Kurgartenstrasse 37, Germany

GTE Autom. Electr. J. (USA) (vol.15, no.5 Jan. 1977—)
Coden: GAEJDG
GTE Automatic Electric Journal Formerly: GTE Autom. Electr. Tech. J. (USA) Title changed to: GTE Autom. Electr. World-Wide Commun. J. (USA)

GTE Autom. Electr. Tech. J. (USA) (vol.12, no.6 April 1971—)
Coden: GTEABI
GTE Automatic Electric Technical Journal Formerly: Autom. Elec. Tech. J. (USA) Title changed to: GTE Autom. Electr. J. (USA)

†GTE Autom. Electr. World-Wide Commun. J. (USA) (vol.17, no.6 Nov. 1979—)
Coden: GEWJDW ISSN 0273-141X
GTE Automatic Electric World-Wide Communications Journal Formerly: GTE Autom. Electr. J. (USA)
GTE Communication Systems, 2500 West Utopia Road, Phoenix, AZ 85027, USA

†Hadronic J. (USA) (vol.1, no.1 April 1978—)
Coden: HAJODX ISSN 0162-5519
Hadronic Journal Hadronic Press Inc., Nonantum, MA 02195, USA

Hands On (USA) (Fall 1981—)
Coden: HSONDB ISSN 0743-0221
Hands On Technical Education Research Center, 8 Eliot Street, Cambridge, MA 02138, USA

Harvard Bus. Rev. (USA) (March-April 1970—)
Coden: HABRAX ISSN 0017-8012
Harvard Business Review Subscription Service Department, P.O. Box 3000, Woburn, MA 01888, USA

Hasler Rev. (Switzerland) (vol.1, no.2-3 1968—)
Coden: HSLRA5 ISSN 0374-3306
Hasler Review Hasler Ltd., Belpstrasse 23, 3000 Berne 14, Switzerland

HC Mein Home Comput. (Germany) (no.9 Sept. 1984—)
HC Mein Home Computer Vogel-Verlag KG, Postfach 67 40, D-8700 Wurzburg 1, Germany

He Huaxue Yu Fangshe Huaxue (China) (vol.3, no.1 Feb. 1981—)
Coden: HHHHDH ISSN 0253-9950
He Huaxue Yu Fangshe Huaxue (Journal of Nuclear and Radiochemistry) Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Health & Soc. Serv. J. (GB) (vol.93, no.4863 8 Sept. 1983—)
Coden: HSSJBH ISSN 0300-8347
Health & Social Service Journal Hospital and Social Service Publications Ltd., 4 Little Essex Street, London WC2R 3LF, England

Health Phys. (GB) (vol.22, no.1 Jan. 1972—)
Coden: HLTPAO ISSN 0017-9078
Health Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Healthcare Financ. Manage. (USA) (vol.36, no.7 July 1982—)
Coden: HFMAD7 ISSN 0735-0732
Healthcare Financial Management Formerly: Hosp. Financ. Manage. (USA)
Healthcare Financial Management Association, 1900 Spring Road, Oak Brook, IL 60521, USA

Hear. Res. (Netherlands) (vol.13, no.1 Jan. 1984—)
Coden: HERED3 ISSN 0378-5955
Hearing Research Elsevier Science Publishers B.V., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Heat & Fluid Flow (GB) (vol.3, no.2 Oct. 1973—)
Coden: HTFFAE
Heat and Fluid Flow Title changed to: Int. J. Heat & Fluid Flow (GB)

Heat & Technol. (Italy) (vol.2, no.1 March 1984—)
ISSN 0392-8764
Heat and Technology (Calore e Tecnologia) Pitagora Editrice, Via del Legatore 3, 40127 Bologna, Italy

Heat Transfer - Jpn. Res. (USA) (vol.1, no.1 Jan.-March 1972—)
Coden: HTJPAU ISSN 0096-0802
Heat Transfer - Japanese Research Scripta Publishing Co. V.H. Winston & Sons, 7961 Eastern Avenue, Silver Spring, MD 20910-4891, USA

Heat Transfer - Sov. Res. (USA) (vol.4, no.1 Jan.-Feb. 1972—)
Coden: HTSRAD ISSN 0440-5749
Heat Transfer - Soviet Research Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA

Heat Treat. Met. (GB) (vol.8, no.1 1981—)
Coden: HTRMBS ISSN 0305-4829
Heat Treatment of Metals Wolfson Heat Treatment Centre, University of Aston in Birmingham, Gosta Green, Birmingham B4 7ET, England

Heat. & Air Cond. J. (GB) (vol.43, no.509 April 1974—)
Coden: HACJBF ISSN 0307-7950
Heating and Air Conditioning Journal Formerly: Steam & Heat. Eng. (GB)
Troup Publications Ltd., 30 Old Burlington Street, London, W1X 2AE, England

Heat. & Vent. Eng. (GB) (vol.42, no.498 Jan. 1968—)
Coden: HVENBE ISSN 0260-1338
Heating and Ventilating Engineer Technitrade Journals Ltd., 886 High Road, London, N12 9SB, England

Helv. Phys. Acta (Switzerland) (1968—)
Coden: HPACAK ISSN 0018-0238
Helvetica Physica Acta Schweizerische Physikalische Gesellschaft. Publisher: Birkhauser Verlag, Elisabethenstrasse 19, CH-4000 Basel 10, Switzerland

Her. Libr. Sci. (India) (vol.11, no.1 Jan. 1972—)
Coden: HLBSAB ISSN 0018-0521
Herald of Library Science C1, Banaras Hindu University, Varanasi-5, India

Hermsdorfer Tech. Mitt. (Germany) (vol.10, no.30 Aug. 1970—)
Coden: HTMTAN ISSN 0439-0377
Hermsdorfer Technische Mitteilungen Kombinat VEB Keramische Werke Hermsdorf, Hermsdorf/Thuringen, Germany

Hewlett-Packard J. (USA) (1968—)
Coden: HPJOAX ISSN 0018-1153
Hewlett-Packard Journal 1501 Page Mill Road, Palo Alto, CA 94304, USA

High Technol. (USA) (1968—)
ISSN 0277-2981
High Technology High Technology Publishing Corp., 38 Commercial Wharf, Boston, MA 02110, USA

High Temp. (USA) (1968—)
Coden: HITEA4 ISSN 0018-151X
High Temperature [Translation of: *Teplofiz. Vys. Temp. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

†High Temp. Sci. (USA) (vol.1, no.1 May 1969—)
Coden: HITSAC ISSN 0018-1536
High Temperature Science Humana Press Inc., P.O. Box 2148, Clifton, NJ 07015, USA

High Temp. Technol. (GB) (vol.1, no.6 Nov. 1983—)
Coden: HTTEDG ISSN 0261-9180
High Temperature Technology Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

High Temp.-High Pressures (GB) (vol.1, no.1 1969—)
Coden: HTHPAK ISSN 0018-1544
High Temperatures - High Pressures Pion Ltd., 207 Brondesbury Park, London, NW2 5JN, England

High Vol. Print. (USA) (vol.2, no.5 Aug.-Sept. 1984—)
ISSN 0737-1020
High Volume Printing Innes Publishing Co., P.O.Box 368, Northbrook, IL 60062, USA

Himeji Inst. Technol. Rep.
See: Rep. Himeji Inst. Technol. (Japan)

Himeji Kogyo Daigaku Kenkyu Hokoku
See: Rep. Himeji Inst. Technol. (Japan)

Hiradastechnika (Hungary) (1968—)
Coden: HIRAAG ISSN 0018-2028
Hiradastechnika Lapkaido Vallalat, 1073 Budapest, Lenin Krt 9-11, Hungary

Hiroshima Daigaku Kogakubu Kenkyu Hokoku
See: Bull. Fac. Eng. Hiroshima Univ. (Japan)

Hiroshima Inst. Technol. Res. Bull.
See: Res. Bull. Hiroshima Inst. Technol. (Japan)

Hiroshima Kogyo Daigaku Kenkyu Kiyo
See: Res. Bull. Hiroshima Inst. Technol. (Japan)

Hiroshima Univ. Fac. Eng. Bull.
See: Bull. Fac. Eng. Hiroshima Univ. (Japan)

Hiroshima Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Hiroshima Univ. (Japan)

Hiroshima Univ. J. Sci. A
See: J. Sci. Hiroshima Univ. A (Japan)

†Hitachi Rev. (Japan) (1968—)
Coden: HITAAQ ISSN 0018-277X
Hitachi Review Ohm-sha Co. Ltd., 1,3-chome, Kanda, Nishiki-cho, Chiyoda-ku, Tokyo 101, Japan

Hitachi Zosen Giho
See: Hitachi Zosen Tech. Rev. (Japan)

Hitachi Zosen Tech. Rev. (Japan) (vol.40, no.1 March 1979—)
Coden: HZOGA2 ISSN 0018-2788
Hitachi Zosen Technical Review Hitachi Zosen Technical Research Institute, 1-3-22 Sakurajima, Konohana-ku, Osaka 544, Japan

HLH (Heiz. Luftung Klimatech. Haustech.) (Germany) (vol.28, no.1 Jan. 1977—)
Coden: HLHZAS ISSN 0017-9906
HLH (Heizung Luftung Klimatechnik Haustechnik) VDI Verlag GmbH, 4 Dusseldorf 1, Graf-Recke-Strasse 84, Postfach 1139, Germany

Hobby Electron. (GB) (vol.3, no.5 March 1981—)
Coden: HOELDT ISSN 0142-6192
Hobby Electronics Modmags Ltd., 145 Charing Cross Road, London WC2H 0EE, England

Hochfrequenztech. & Elektroakust. (Germany) (1968—)
Coden: HOELAQ
Hochfrequenztechnik und Elektroakustik Incorporated in Z. Elektr. Inf.- & Energietech. (Germany)

Hokkaido Daigaku Oyo Denki Kenkyusho Hokoku
See: Bull. Res. Inst. Appl. Electr. (Japan)

Hokkaido Inst. Technol. Mem.
See: Mem. Hokkaido Inst. Technol. (Japan)

Hokkaido Kogyo Daigaku Kenkyu Kiyo
See: Mem. Hokkaido Inst. Technol. (Japan)

Hokkaido Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Hokkaido Univ. (Japan)

Home Comput. Adv. Course (GB) (no.1 1984—)
ISSN 0265-2919
Home Computer Advanced Course Orbis Publishing Ltd., 20-22 Bedfordbury, London WC2N 4BT, England

Hong Kong Eng. (vol.4, no.2 April 1976—)
Coden: HKOEDU ISSN 0378-8776
Hong Kong Engineer Asia Trade Journals Ltd., 7th Floor, Sincere Insurance Building, 4-6 Henessy Road, Hong Kong, Hong Kong

Horol. Inst. Jpn. J.
See: J. Horol. Inst. Jpn. (Japan)

Hosei Daigaku Kogakubu Kenkyu Shuho
See: Bull. Coll. Eng. Hosei Univ. (Japan)

Hosei Univ. Coll. Eng. Bull.
See: Bull. Coll. Eng. Hosei Univ. (Japan)

Hosp. Eng. (GB) (vol.23, no.6 June 1969—)
Coden: HSPEAK
Hospital Engineer Title changed to: Hosp. Eng. (GB)

Hosp. Eng. (GB) (vol.24 Jan. 1970—)
Coden: HSEGA5 ISSN 0309-7498
Hospital Engineering Formerly: Hosp. Eng. (GB)
Mallard Publications, 48 Southwark Street, London SE1 1UN, England

Hosp. Financ. Manage. (USA) (vol.26, no.9 Sept. 1972—)
Coden: HFIMAK ISSN 0018-5639
Hospital Financial Management Title changed to: Healthcare Financ. Manage. (USA)

Houille Blanche (France) (1968—)
Coden: HOBLAB ISSN 0018-6368
La Houille Blanche 5 Chemin de Marroniers, B.P. 264, F 38008 Grenoble Cedex, France

Houston J. Math. (USA) (vol.2, no.1 1976—)
Coden: HJMADZ ISSN 0362-1588
Houston Journal of Mathematics University of Houston, Department of Mathematics, Houston, TX 77004, USA

Huazhong Inst. Technol. J.
See: J. Huazhong Inst. Technol. (Engl. Ed.) (China)

Hum. Factors (USA) (vol.10, no.6 Dec. 1968—)
Coden: HUFAA6 ISSN 0018-7208
Human Factors Human Factors Society Inc., P.O. Box 1369, Santa Monica, CA 90406, USA

Hum. Syst. Manage. (Netherlands) (vol.1, no.1 Feb. 1980—)
Coden: HSMADU ISSN 0167-2533
Human Systems Management North-Holland Publishing Co., P.O. Box 103, 1000 AC Amsterdam, Netherlands

Hybrid Circuits (GB) (no.2 Spring 1983—)
Coden: HYCRD5 ISSN 0265-3028
Hybrid Circuits Wela Publications Ltd., 8 Barns Street, Ayr KA7 1XB, Scotland

Hydraul. & Pneum. (USA) (vol.22, no.3 March 1969—)
Coden: HYDPAZ ISSN 0018-814X
Hydraulics and Pneumatics Penton/IPC Inc., 1111 Chester Avenue, Cleveland, OH 44114, USA

Hydraul. Pneum. Asservissements (France) (1968—)
Coden: HYPAAG
Hydraulique Pneumatique et Asservissements Title changed to: Energ. Fluide & Lubr. Hydraul. Pneum. Asservissements (France)

Hydraul. Pneum. Mech. Power (GB) (vol.21, no.242 Feb. 1975—)
Coden: HPMPDK ISSN 0306-4069
Hydraulic Pneumatic Mechnanical Power Formerly: Hydraul. Pneum. Power (GB)
Trade & Technical Press Ltd., Crown House, Morden, Surrey SM4 5EW, England

Hydraul. Pneum. Power (GB) (1968—)
Coden: HYPPAR
Hydraulic Pneumatic Power Title changed to: Hydraul. Pneum. Mech. Power (GB)

Hydrospace (GB) (vol.4, no.6 Dec. 1971—)
Coden: HYSPA8
Hydrospace Title changed to: Offshore Serv. (GB)

Hydrotech. Constr. (USA) (vol.15, no.4 April 1981—)
Coden: HYCOAR ISSN 0018-8220
Hydrotechnical Construction [Translation of: *Gidrotekh. Stroit. (USSR)*]
Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Hyperfine Interactions (Netherlands) (vol.1, no.1 June 1975—)
Coden: HYINDN ISSN 0304-3843
Hyperfine Interactions Title changed to: Hyperfine Interactions (Switzerland)

†**Hyperfine Interactions (Switzerland)** (vol.15, no.1-4 Dec. 1983—)
Coden: HYINDN ISSN 0304-3843
Hyperfine Interactions Formerly: Hyperfine Interactions (Netherlands)
J.C. Baltzer AG, Scientific Publishing Co., Wettsteinplatz 10, CH-4058 Basel, Switzerland

†**I.A.U. Circ. (USA)** (no.2632 12 Feb. 1974—)
Coden: IANUAB ISSN 0081-0304
International Astronomical Union Circular IAU Central Telegram Bureau, Smithsonian Observatory, Cambridge, MA 02138, USA

I.T.E.C. (GB) (no.1—)
Coden: ITECEF
I.T.E.C GEJ Publishing Ltd., 187 Oxford Street, London W1R 1AJ, England

IAEA Bull.
See: Int. At. Energy Agency Bull. (Austria)

IAG J. (Netherlands) (vol.1, no.2 1968—)
Coden: IAGQBX
IAG Journal Title changed to: Manage. Inf. (Netherlands)

IATUL Proc. (Sweden) (vol.6, no.1 June 1971—)
Coden: IATPAQ ISSN 0018-8476
IATUL Proceedings Chalmers University of Technology Library, Goteborg, Sweden

†**IBA Tech. Rev. (GB)** (no.3 June 1973—)
Coden: IBARBD ISSN 0308-423X
IBA Technical Review Independent Broadcasting Authority, 70 Brompton Road, London, SW3 1EY, England

Ibaraki Daigaku Kogakubu Kenkyu Shuho
See: J. Fac. Eng. Ibaraki Univ. (Japan)

Ibaraki Daigaku Kogakubu Kiyo
See: Bull. Fac. Eng. Ibaraki Univ. (Japan)

Ibaraki Univ. Fac. Eng. Bull.
See: Bull. Fac. Eng. Ibaraki Univ. (Japan)

Ibaraki Univ. Fac. Eng. J.
See: J. Fac. Eng. Ibaraki Univ. (Japan)

†**IBM J. Res. & Dev. (USA)** (1968—)
Coden: IBMJAE ISSN 0018-8646
IBM Journal of Research and Development International Business Machines Corporation, Corporate Technical Publications, Armonk, New York, NY 10504, USA

IBM Nachr. (Germany) (vol.19, no.197 Oct. 1969—)
Coden: IBMNAQ ISSN 0018-8662
IBM Nachrichten IBM Deutschland GmbH, 7000 Stuttgart 80, Postfach 800880, Germany

†**IBM Syst. J. (USA)** (1968—)
Coden: IBMSA7 ISSN 0018-8670
IBM Systems Journal International Business Machines Corporation, Armonk, New York, NY 10504, USA

IBM Tech. Disclosure Bull. (USA) (1968—)
Coden: IBMTAA ISSN 0018-8689
IBM Technical Disclosure Bulletin International Business Machines Co., Armonk, New York, NY 10504, USA

IBS Asian Electron. News (Taiwan) (vol.66 Sept. 1984—)
IBS Asian Electronics News IBS Publications Ltd., Computer Service Department, P.O.Box 55-879, Taipei, Taiwan

ICA Inf. (Spain) (no.16 May 1979—)
Coden: IINFDP
ICA Information International Council for Automatic Data Processing in Government Administration, c/o Servicio Central de Informatica, Pº de Recoletos 16, 5º, Madrid 1, Spain

†**Icarus (USA)** (1968—)
Coden: ICRSA5 ISSN 0019-1035
Icarus Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

†**ICL Tech. J. (GB)** (no.1 Nov. 1978—)
Coden: ITJOD7 ISSN 0142-1557
ICL Technical Journal Published for International Computers Ltd. by Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

ICP Bus. Software Rev. (USA) (vol.3, no.1 March-April 1984—)
ISSN 0744-2602
ICP Business Software Review Formerly: ICP Software Bus. Rev. (USA)
International Computer Programs Inc., P.O.Box 40946, Indianapolis, IN 46140, USA

ICP J. Inf. Prod. & Serv. (USA) (vol.2, no.2 Summer 1981—)
Coden: ICPID2
ICP. Journal of Information Products & Services Title changed to: ICP J. Software Prod. & Serv. (USA)

ICP J. Software Prod. & Serv. (USA) (vol.2, no.4 Winter 1981—)
Coden: IJSSDS
ICP Journal of Software Products and Services Formerly: ICP J. Inf. Prod. & Serv. (USA) Title changed to: ICP Software J. (USA)

ICP Software Bus. Rev. (USA) (vol.2, no.6 Dec. 1983-Jan. 1984—)
Coden: ISBRD3 ISSN 0744-2602
ICP Software Business Review Title changed to: ICP Bus. Software Rev. (USA)

ICP Software J. (USA) (vol.3, no.1 Spring 1982—)
Coden: ISJODY
ICP Software Journal Formerly: ICP J. Software Prod. & Serv. (USA)
International Computer Programs Inc., 9000 Keystone Crossing, P.O.Box 40946, Indianapolis, IN 46420, USA. 2 Deanery Street, Park Lane, London W1Y 5LH, England

I&CS-Ind. & Process Control Mag. (USA) (vol.56, no.6 June 1983—)
Coden: CHISDY ISSN 0746-2395
I&CS-The Industrial and Process Control Magazine Formerly: Instrum. & Control Syst. (USA)
Chilton Co., Chilton Way, Radnor, PA 19089, USA

IEC Bull. (Switzerland) (no.10 Sept. 1969—)
Coden: IEBUAD ISSN 0018-9138
IEC Bulletin International Electrotechnical Commission, 1 rue de Varembe, 1211 Geneva 20, Switzerland

IEE J. Comput. & Digital Tech. (GB) (vol.1, no.1 Feb. 1978—)
Coden: IJCTDJ ISSN 0140-1335
IEE Journal on Computers and Digital Techniques Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

IEE J. Electr. Power Appl. (GB) (vol.1, no.1 Feb. 1978—)
Coden: IJEAD6
IEE journal on Electric Power Applications Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

IEE J. Electron. Circuits & Syst. (GB) (vol.1, no.1 Sept. 1976—)
Coden: IECSDF
IEE Journal on Electronic Circuits and Systems Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

IEE J. Microwaves, Opt. & Acoust. (GB) (vol.1, no.1 Sept. 1976—)
Coden: IJMADC
IEE Journal on Microwaves, Optics and Acoustics Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

IEE J. Solid-State & Electron Devices (GB) (vol.1, no.1 Sept. 1976—)
Coden: IJSDDH
IEE Journal on Solid-State and Electron Devices Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

†**IEE Proc. A (GB)** (vol.127, no.1 Jan. 1980—)
Coden: IPPRDI ISSN 0143-702X
IEE Proceedings A (Physical Science, Measurement and Instrumentation, Management and Education, Reviews) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Electr. Eng. (GB)

†**IEE Proc. B (GB)** (vol.127, no.1 Jan. 1980—)
Coden: IPPADZ ISSN 0143-7038
IEE Proceedings B (Electric Power Applications) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Electr. Eng. (GB)

†**IEE Proc. C (GB)** (vol.127, no.1 Jan. 1980—)
Coden: IPPDDA ISSN 0143-7046
IEE Proceedings C (Generation, Transmission and Distribution) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. D (GB)** (vol.127, no.1 Jan. 1980—)
Coden: IPDAD9 ISSN 0143-7054
IEE Proceedings D (Control Theory and Applications) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. E (GB)** (vol.127, no.1 Jan. 1980—)
Coden: IPETD3 ISSN 0143-7062
IEE Proceedings E (Computers and Digital Techniques) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. S

†**IEE Proc. F (GB)** (vol.127, no.1 Feb. 1980—)
Coden: IPFPDU ISSN 0143-7070
IEE Proceedings F (Communications, Radar and Signal Processing) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. G (GB)** (vol.127, no.1 Feb. 1980—)
Coden: IPPSDL ISSN 0143-7089
IEE Proceedings G (Electronic Circuits and Systems) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. H (GB)** (vol.127, no.1 Feb. 1980—)
Coden: IPHADT ISSN 0143-7097
IEE Proceedings H (Microwaves, Optics and Antennas) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. I (GB)** (vol.127, no.1 Feb. 1980—)
Coden: IPIDD9 ISSN 0143-7100
IEE Proceedings I (Solid-State and Electron Devices) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

IEE Rev. (GB) (vol.118, no.9R Sept. 1971—)
Coden: IERWAV
IEE Reviews Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

†**IEEE ASSP Mag. (USA)** (vol.1, no.1 Jan. 1984—)
Coden: IAMAEI ISSN 0740-7467
IEEE ASSP Magazine Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Circuits & Syst. Mag. (USA)** (vol.1, no.1 1979—)
Coden: ICSYDV ISSN 0163-6812
IEEE Circuits and Systems Magazine Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Commun. Mag. (USA) (vol.17, no.1 Jan. 1979—)
Coden: ICOMD9 ISSN 0163-6804
IEEE Communications Magazine Formerly: IEEE Commun. Soc. Mag. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Commun. Soc. Mag. (USA) (vol.15, no.3 Sept. 1977—)
Coden: ICSMDT
IEEE Communications Society Magazine Title changed to: IEEE Commun. Mag. (USA)

IEEE Comput. Graphics & Appl. (USA) (vol.1, no.1 Jan. 1981—)
Coden: ICGADZ ISSN 0272-1716
IEEE Computer Graphics and Applications Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Control Syst. Mag. (USA)** (vol.1, no.1 March 1981—)
Coden: ISMAD7 ISSN 0272-1708
IEEE Control Systems Magazine Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Des. & Test. Comput. (USA)** (vol.1, no.1 Feb. 1984—)
ISSN 0740-7475
IEEE Design & Test of Computers IEEE Computer Society, 10662 Los Vaqueros Circle, Los Alamitos, CA 90720, USA

†**IEEE Electron Device Lett. (USA)** (vol.1, no.1 Jan. 1980—)
Coden: EDLEDZ ISSN 0741-3106
IEEE Electron Device Letters Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Eng. Med. & Biol. Mag. (USA) (vol.1, no.2 June 1982—)
Coden: IEMBDE ISSN 0739-5175
IEEE Engineering in Medicine and Biology Magazine Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE J. Oceanic Eng. (USA)** (vol.OE-1, no.1 Sept. 1976—)
Coden: IJOEDY ISSN 0364-9059
IEEE Journal of Oceanic Engineering Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE J. Quantum Electron. (USA)** (1968—)
Coden: IEJQA7 ISSN 0018-9197
IEEE Journal of Quantum Electronics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE J. Sel. Areas Commun. (USA)** (vol.SAC-1, no.1 Jan. 1983—)
Coden: ISACEM ISSN 0733-8716
IEEE Journal on Selected Areas in Communications Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE J. Solid-State Circuits (USA)** (1968—)
Coden: IJSCBC ISSN 0018-9200
IEEE Journal of Solid-State Circuits Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Micro (USA)** (vol.1, no.1 Feb. 1981—)
Coden: IEMIDZ ISSN 0272-1732
IEEE Micro Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Potentials (USA) (vol.3, no.1 Feb. 1984—)
ISSN 0278-6648
IEEE Potentials Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Power Eng. Rev. (USA) (vol.PER-1, no.1 Jan. 1981—)
Coden: IPERDV ISSN 0272-1724
IEEE Power Engineering Review Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Proc.
See: Proc. IEEE (USA)

†**IEEE Software (USA)** (vol.1, no.1 Jan. 1984—)
ISSN 0740-7459
IEEE Software Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Spectrum (USA) (1968—)
Coden: IEESAM ISSN 0018-9235
IEEE Spectrum Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Acoust., Speech & Signal Process. (USA)** (vol.ASSP-22, no.1 Feb. 1974—)
Coden: IETABA ISSN 0096-3518
IEEE Transactions on Acoustics, Speech and Signal Processing Formerly: IEEE Trans. Audio & Electroacoust. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Aerosp. & Electron. Syst. (USA)** (1968—)
Coden: IEARAX ISSN 0018-9251
IEEE Transactions on Aerospace and Electronic Systems Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Antennas & Propag. (USA)** (1968—)
Coden: IETPAK ISSN 0018-926X
IEEE Transactions on Antennas and Propagation Institute of Electrical and Electronics Engineers 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Audio & Electroacoust. (USA) (1968—)
Coden: ITADAS
IEEE Transactions on Audio and Electroacoustics Title changed to: IEEE Trans. Acoust., Speech & Signal Process. (USA)

†**IEEE Trans. Autom. Control (USA)** (1968—)
Coden: IETAA9 ISSN 0018-9286
IEEE Transactions on Automatic Control Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Biomed. Eng. (USA)** (1968—)
Coden: IEBEAX ISSN 0018-9294
IEEE Transactions on Biomedical Engineering Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Broadcast & Telev. Receivers (USA) (1968—)
Coden: IEETAP
IEEE Transactions on Broadcast and Television Receivers Title changed to: IEEE Trans. Consum. Electron. (USA)

†**IEEE Trans. Broadcast. (USA)** (1968—)
Coden: IETBAC ISSN 0018-9316
IEEE Transactions on Broadcasting Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Cable Telev. (USA)** (vol.CATV-1, no.1 Oct. 1976—)
Coden: ITCTDL ISSN 0147-3204
IEEE Transactions on Cable Television Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Circuit Theory (USA) (1968—)
Coden: IECTAF
IEEE Transactions on Circuit Theory Title changed to: IEEE Trans. Circuits & Syst. (USA)

†**IEEE Trans. Circuits & Syst. (USA)** (vol.CAS-21, no.1 Jan. 1974—)
Coden: ICSYBT ISSN 0098-4094
IEEE Transactions on Circuits and Systems Formerly: IEEE Trans. Circuit Theory (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Commun. (USA)** (vol.CON-20, no.1 Feb. 1972—)
Coden: IECMBT ISSN 0090-6778
IEEE Transactions on Communications Formerly: IEEE Trans. Commun. Technol. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Commun. Technol. (USA) (1968—)
Coden: IETCAF
IEEE Transactions on Communication Technology Title changed to: IEEE Trans. Commun. (USA)

†**IEEE Trans. Components, Hybrids & Manuf. Technol. (USA)** (vol.CHMT-1, no.1 March 1978—)
Coden: ITTEDR ISSN 0148-6411
IEEE Transactions on Components, Hybrids, and Manufacturing Technology Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA. Formed by merger of IEEE Trans. Parts, Hybrids & Packag. (USA) and IEEE Trans. Manuf. Technol. (USA)

†**IEEE Trans. Comput. (USA)** (1968—)
Coden: ITCOB4 ISSN 0018-9340
IEEE Transactions on Computers Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Comput.-Aided Des. Integrated Circuits & Syst. (USA)** (vol.CAD-1, no.1 Jan. 1982—)
Coden: ITCSDI ISSN 0278-0070
IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Consum. Electron. (USA)** (vol.CE-21, no.1 Feb. 1975—)
Coden: ITCEDA ISSN 0098-3063
IEEE Transactions on Consumer Electronics Formerly: IEEE Trans. Broadcast & Telev. Receivers (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Educ. (USA)** (1968—)
Coden: IEEDAB ISSN 0018-9359
IEEE Transactions on Education Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Electr. Insul. (USA)** (1968—)
Coden: IETIAX ISSN 0018-9367
IEEE Transactions on Electrical Insulation Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Electromagn. Compat. (USA)** (1968—)
Coden: IEMCAE ISSN 0018-9375
IEEE Transactions on Electromagnetic Compatibility Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Electron Devices (USA)** (1968—)
Coden: IETDAI ISSN 0018-9383
IEEE Transactions on Electron Devices Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Eng. Manage. (USA) (1968—)
Coden: IEEMA4 ISSN 0018-9391
IEEE Transactions on Engineering Management Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Eng. Writ. & Speech (USA) (1968—)
Coden: IEEWAY
IEEE Transactions on Engineering Writing and Speech Title changed to: IEEE Trans. Prof. Commun. (USA)

†**IEEE Trans. Geosci. & Remote Sensing (USA)** (vol.GE-18, no.1 Jan. 1980—)
Coden: IGRSD2 ISSN 0196-2892
IEEE Transactions on Geoscience and Remote Sensing Formerly: IEEE Trans. Geosci. Electron. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Geosci. Electron. (USA) (1968—)
Coden: IEGEAO
IEEE Transactions on Geoscience Electronics Title changed to: IEEE Trans. Geosci. & Remote Sensing (USA)

IEEE Trans. Hum. Factors Electron. (USA) (1968—)
Coden: IEHFAW
IEEE Transactions on Human Factors in Electronics Title changed to: IEEE Trans. Man-Mach. Syst. (USA)

IEEE Trans. Ind. & Gen. Appl. (USA) (1968—)
Coden: ITGAAF
IEEE Transactions on Industry and General Applications Title changed to: IEEE Trans. Ind. Appl. (USA)

†**IEEE Trans. Ind. Appl. (USA)** (vol.IA-8, no.1 Jan.-Feb. 1972—)
Coden: ITIACR ISSN 0093-9994
IEEE Transactions on Industry Applications Formerly: IEEE Trans. Ind. & Gen. Appl. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Ind. Electron. & Control Instrum. (USA) (1968—)
Coden: IICIAA ISSN 0018-9421
IEEE Transactions on Industrial Electronics and Control Instrumentation Title changed to: IEEE Trans. Ind. Electron. (USA)

†**IEEE Trans. Ind. Electron. (USA)** (vol.IE-29, no.1 Feb. 1982—)
Coden: ITIED6 ISSN 0278-0046
IEEE Transactions on Industrial Electronics Formerly: IEEE Trans. Ind. Electron. & Control Instrum. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Inf. Theory (USA)** (1968—)
Coden: IETTAW ISSN 0018-9448
IEEE Transactions on Information Theory Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Instrum. & Meas. (USA)** (1968—)
Coden: IEIMAO ISSN 0018-9456
IEEE Transactions on Instrumentation and Measurement Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Magn. (USA)** (1968—)
Coden: IEMGAQ ISSN 0018-9464
IEEE Transactions on Magnetics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Man-Mach. Syst. (USA) (1968—)
Coden: ITMMAD
IEEE Transactions on Man-Machine systems Formerly: IEEE Trans. Hum. Factors Electron. (USA). Merged with IEEE Trans. Syst. Sci. & Cybern. (USA) to form IEEE Trans. Syst. Man & Cybern. (USA)

IEEE Trans. Manuf. Technol. (USA) (vol.MFT-1, no.1 June 1972—)
Coden: IETMBC
IEEE Transactions on Manufacturing Technology Merged with IEEE Trans. Parts, Hybrids & Packag. (USA) to form IEEE Trans. Components, Hybrids & Manuf. Technol. (USA)

†**IEEE Trans. Med. Imaging (USA)** (vol.MI-1, no.1 July 1982—)
Coden: ITMID4 ISSN 0278-0062
IEEE Transactions on Medical Imaging Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Microwave Theory & Tech. (USA)** (1968—)
Coden: IETMAB ISSN 0018-9480
IEEE Transactions on Microwave Theory and Techniques Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Nucl. Sci. (USA)** (1968—)
Coden: IETNAE ISSN 0018-9499
IEEE Transactions on Nuclear Science Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Parts Mater. & Packag. (USA) (1968—)
Coden: IEPMAP
IEEE Transactions on Parts, Materials and Packaging Title changed to: IEEE Trans. Parts, Hybrids & Packag. (USA)

IEEE Trans. Parts, Hybrids & Packag. (USA) (vol.PHP-7, no.2 June 1971—)
Coden: IEPHAA
IEEE Transactions on Parts, Hybrids and Packaging Formerly: IEEE Trans. Parts Mater. & Packag. (USA). Merged with IEEE Trans. Manuf. Technol. (USA) to form IEEE Trans. Components, Hybrids & Manuf. Technol. (USA)

†**IEEE Trans. Pattern Anal. & Mach. Intell. (USA)** (vol.PAMI-1, no.1 Jan. 1979—)
Coden: ITPIDJ ISSN 0162-8828
IEEE Transactions on Pattern Analysis and Machine Intelligence Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Plasma Sci. (USA)** (vol.PS-2, no.2 June 1973—)
Coden: ITPSBD ISSN 0093-3813
IEEE Transactions on Plasma Science Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Power Appar. & Syst. (USA)** (1968—)
Coden: IEPSA9 ISSN 0018-9510
IEEE Transactions on Power Apparatus and Systems Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Prof. Commun. (USA) (vol.PC-15, no.1 March 1972—)
Coden: IEPCBU ISSN 0361-1434
IEEE Transactions on Professional Communications Formerly: IEEE Trans. Eng. Writ. & Speech (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Reliab. (USA)** (1968—)
Coden: IERQAD ISSN 0018-9529
IEEE Transactions on Reliability Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Software Eng. (USA)** (vol.SE-1, no.1 March 1975—)
Coden: IESEDJ ISSN 0098-5589
IEEE Transactions on Software Engineering Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Trans. Sonics & Ultrason. (USA)** (1968—)
Coden: IESUAU ISSN 0018-9537
IEEE Transactions on Sonics and Ultrasonics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Syst. Sci. & Cybern. (USA) (1968—)
Coden: IESCAA
IEEE Transactions on Systems Science and Cybernetics Merged with IEEE Trans. Man-Mach. Syst. (USA) to form IEEE Trans. Syst. Man & Cybern. (USA)

†**IEEE Trans. Syst., Man & Cybern. (USA)** (vol.SMC-1, no.1 Jan. 1971—)
Coden: ISYMAW ISSN 0018-9472
IEEE Transactions on Systems, Man and Cybernetics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA. Formed by merger of IEEE Trans. Man-Mach. Syst. (USA) and IEEE Trans. Syst. Sci. & Cybern. (USA)

†**IEEE Trans. Veh. Technol. (USA)** (1968—)
Coden: ITVTAB ISSN 0018-9545
IEEE Transactions on Vehicular Technology Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IES J. (Singapore) (vol.19, no.2 Dec. 1979—)
Coden: IEJOD4 ISSN 0377-7464
IES Journal Institution of Engineers, Singapore, 1306 International Plaza, Anson Road, Singapore 2, Singapore

IES Light. Rev. (Australia) (vol.31, no.3 June 1969—)
Coden: IELRBL ISSN 0018-9618
IES Lighting Review Title changed to: Light. Aust. (Australia)

IETE Tech. Rev. (India) (vol.1, no.1 Jan. 1984—)
Coden: ITREEI
IETE Technical Review Institution of Electronics and Telecommunication Engineers, 2 Institutional Area, Lodi Road, New Delhi 110 003, India

IFOC Int. Fiber Opt. & Commun. (USA) (vol.2, no.1 Jan. 1981—)
Coden: IIFCDA ISSN 0199-5820
IFOC. International Fiber Optics and Communications Information Gatekeepers Inc., 167 Corey Road, Suite 111, Brookline, MA 02146, USA

IHVE J. (GB) (vol.36 Dec. 1968—)
Coden: IHVJAX
IHVE Journal Title changed to: Build. Serv. Eng. (GB)

IIE Trans. (USA) (vol.14, no.1 March 1982—)
Coden: IIETDM ISSN 0740-817X
IIE Transactions Formerly: AIIE Trans. (USA)
Institute of Industrial Engineers Inc., 25 Technology Park/Atlanta, Norcross, GA 30092, USA

Illum. Eng. (USA) (1968—)
Coden: ILENBN
Illuminating Engineering Journal split into two parts: Light Des. & Appl. (USA) and J. Illum. Eng. Soc. (USA)

Illum. Eng. Inst. Jpn. J.
See: J. Illum. Eng. Inst. Jpn. (Japan)

Illum. Eng. Soc. J.
See: J. Illum. Eng. Soc. (USA)

Ilmenau Tech. Hochsch. Wiss. Z.
See: Wiss. Z. Tech. Hochsch. Ilmenau (Germany)

IMA J. Appl. Math. (GB) (vol.27, no.1 Jan. 1981—)
Coden: IJAMDM ISSN 0272-4960
IMA Journal of Applied Mathematics Formerly: J. Inst. Math. & Appl. (GB)
Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

IMA J. Numer. Anal. (GB) (vol.1, no.1 Jan. 1981—)
Coden: IJNADH ISSN 0272-4979
IMA Journal of Numerical Analysis Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

Image & Vision Comput. (GB) (vol.2, no.1 Feb. 1984—)
Coden: IVCODK ISSN 0262-8856
Image and Vision Computing Butterworth Scientific Ltd., P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

IMC J. (USA) (vol.2, no.1 1979—)
Coden: IMGCB7 ISSN 0019-0012
IMC Journal International Micrographic Congress, P.O. Box 22440, San Diego, CA 92122, USA

Impact: Inf. Technol. (USA) (1983—)
Impact: Information Technology Title changed to: Impact: Off. Autom. (USA)

Impact: Off. Autom. (USA) (vol.6, no.8 Aug. 1983—)
Coden: IOAUEE ISSN 0739-8182
Impact: Office Automation Formerly: Impact: Inf. Technol. (USA)
Administrative Management Society, Maryland Road, Willow Grove, PA 19090, USA

In Bus. (USA) (vol.4, no.5 Sept.-Oct. 1982—)
Coden: INBSD5 ISSN 0190-2458
In Business JG Press Inc., Box 323, 18 South Seventh Street, Emmaus, PA 18049, USA

Inc. (USA) (vol.5, no.5 May 1983—)
Coden: INCCDU ISSN 0162-8968
Inc Inc. Publishing Co., 38 Commercial Warf, Boston, MA 02110, USA

Incremental Motion Control Syst. Devices Newsl. (USA) (vol.1, no.1 Oct. 1972—)
Coden: IMCNBK
Incremental Motion Control Systems and Devices Newsletter University of Illinois, Urbana, IL 61801, USA

Ind. & Eng. Chem., Fundam. (USA) (1968—)
Coden: IECFA7 ISSN 0196-4313
Industrial and Engineering Chemistry, Fundamentals American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Ind. & Eng. Chem., Process Des. & Dev. (USA) (1968—)
Coden: IEPDAW ISSN 0196-4305
Industrial and Engineering Chemistry, Process Design and Development American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Ind. & Eng. Chem., Prod. Res. & Dev. (USA) (1968—)
Coden: IEPRA6 ISSN 0196-4321
Industrial and Engineering Chemistry, Product Research and Development American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Ind. Ceram. (France) (no.746 1981—)
Coden: IDCQAX ISSN 0019-9044
Industrie Ceramique Formerly: Bull. Soc. Fr. Ceram. (France)
14 rue Falguiere, 75015 Paris, France

Ind. Commer. Train. (GB) (vol.15, no.7 July 1983—)
Coden: ILCTAU ISSN 0019-7858
Industrial and Commercial Training MCB Publications Ltd., 198-200 Keighley Road, Bradford, West Yorks. BD9 4JQ, England

Ind. Datatek. (Sweden) (vol.1, no.6 Aug. 1981—)
Coden: IDIDDR ISSN 0349-8476
Industriell Datateknik Ingenjorsforlaget AB, Box 27315, 102 54 Stockholm, Sweden

Ind. Eng. (USA) (vol.1, no.5 May 1969—)
Coden: IDLEB9 ISSN 0019-8234
Industrial Engineering American Institute of Industrial Engineers, 25 Technology Park/Atlanta, Norcross, GA 30092, USA

Ind. Finish. & Surf. Coatings (GB) (vol.23, no.279 Sept. 1971—)
Coden: IFSCBI
Industrial Finishing and Surface Coatings Merged into: Finish. Ind. (GB)

Ind. Ital. Elettrotec. & Elettron. (Italy) (1968—)
Coden: IIELAT
Industria Italiana Elettrotecnica ed Elettronica Title changed to: Tecnol. Elettr. (Italy)

Ind. Lab. (USA) (vol.35, no.3 March 1969—)
Coden: INDLAP ISSN 0019-8447
Industrial Laboratory [Translation of: *Zavod. Lab. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Ind. Manage. + Data Syst. (GB) (Sept. 1980—)
Coden: IMDSD8 ISSN 0007-6929
Industrial Management + Data Systems Formerly: Data Syst. (GB)
M.C.B. Publications, 198-200 Keighley Road, Bradford, West Yorks. BD9 4JQ, England

Ind. Mark. (USA) (March 1983—)
ISSN 0019-8498
Industrial Marketing Title changed to: Bus. Mark. (USA)

Ind. Math. (USA) (vol.21, pt.1 1971—)
Coden: IMTHAI ISSN 0019-8528
Industrial Mathematics Industrial Mathematics Society, P.O. Box 159, Roseville, MI 48066, USA

Ind. Photogr. (USA) (vol.21, no.3 March 1972—)
Coden: INPHA5 ISSN 0019-8595
Industrial Photography United Business Publications Inc., 475 Park Avenue South, New York, NY 10016, USA

Ind. Res./Dev. (USA) (vol.20, no.3 March 1978—)
Coden: IRDEDZ ISSN 0160-4074
Industrial Research/Development Formerly: Res./Dev. (USA) Title changed to: Res. & Dev. (USA)

Ind. Robot (GB) (vol.6, no.3 Sept. 1979—)
Coden: IDRBAT ISSN 0143-991X
Industrial Robot IFS (Publications) Ltd., 35-39 High Street, Kempston, Bedford MK42 7BT, England

Ind. Soc. (GB) (vol.65 March 1983—)
Coden: ISOCBL ISSN 0019-8781
Industrial Society Industrial Society, 3 Carlton House Terrace, London SW1Y 5DG, England

Ind.-Anz. (Germany) (vol.93, no.23 16 March 1971—)
Coden: IANZAQ ISSN 0019-9036
Industrie-Anzeiger Verlag W. Giradet, 43 Essen 1, Girardetstrasse 2-38, Postfach 9, Germany

Indep. Broadcast. Auth. Tech. Rev.
See: IBA Tech. Rev. (GB)

Indexer (GB) (vol.8, no.4 Oct. 1973—)
Coden: IDXRA5 ISSN 0019-4131
Indexer Society of Indexers and American Society of Indexers, c/o Barclays Bank Ltd., 1 Pall Mall East, London, SW1Y 5AX, England

Indian & East. Eng. (1968—)
Coden: IEAEAS ISSN 0019-4352
Indian and Eastern Engineer 'Piramal Mansion', 235 Dr. D. Naoroji Road, Bombay 400001, India

Indian Acad. Sci. Proc. Chem. Sci.
See: Proc. Indian Acad. Sci. Chem. Sci.

Indian Acad. Sci. Proc. Earth & Planet. Sci.
See: Proc. Indian Acad. Sci. Earth & Planet. Sci.

Indian Acad. Sci. Proc. Eng. Sci.
See: Proc. Indian Acad. Sci. Eng. Sci.

Indian Acad. Sci. Proc. Math. Sci.
See: Proc. Indian Acad. Sci. Math. Sci.

Indian Inst. Met. Trans.
See: Trans. Indian Inst. Met.

Indian Inst. Sci. J.
See: J. Indian Inst. Sci.

Indian J. Chem. (vol.6, no.7 July 1968—)
Coden: IJOCAP
Indian Journal of Chemistry Journal split into two sections: Indian J. Chem. A and B

Indian J. Chem. A (vol.14A, no.1 Jan. 1976—)
Coden: IJCADU ISSN 0019-5103
Indian Journal of Chemistry Section A (Inorganic, Physical, Theoretical and Analytical) Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India. Supersedes in part: Indian J. Chem.

Indian J. Chem. B (vol.14B, no.1 Jan. 1976—)
Coden: IJSBDB ISSN 0019-5103
Indian Journal of Chemistry Section B (Organic Including Medicinal) Sales & Distribution Officer, Council of Scientific and Industrial Research, Hillside Road, New Delhi 110012, India. Supersedes in part: Indian J. Chem.

Indian J. Cryog. (vol.2, no.2 1977—)
Coden: IJCRDD ISSN 0379-0479
Indian Journal of Cryogenics Indian Cryogenics Council, Jadavpur University, Calcutta 700 032, India

Indian J. Mar. Sci. (vol.1, no.1 June 1972—)
Coden: IJMNBF ISSN 0379-5136
Indian Journal of Marine Sciences Council of Scientific & Industrial Research. Editorial address: Publications & Information Directorate, Hillside Road, New Delhi-12, India

Indian J. Meteorol. & Geophys. (1968—)
Coden: IJMGAR
Indian Journal of Meteorology and Geophysics Title changed to: Indian J. Meteorol. Hydrol. & Geophys.

Indian J. Meteorol. Hydrol. & Geophys. (vol.26, no.1 1975—)
Coden: IJMGDU
Indian Journal of Meteorology Hydrology & Geophysics Formerly: Indian J. Meteorol. & Geophys. Title changed to: Mausam (India)

Indian J. Phys. (1968—)
Coden: IJPYAS
Indian Journal of Physics Journal split into two parts: Indian J. Phys. Parts A and B

†**Indian J. Phys. Part A** (vol.51A, no.1 Jan. 1977—)
Coden: INJADP ISSN 0374-3330
Indian Journal of Physics Part A Indian Association for the Cultivation of Science, 2 & 3 Raja Subodh Chandra Mallik Road, Calcutta 700 032, India. Supersedes in part: Indian J. Phys.

†**Indian J. Phys. Part B** (vol.51B, no.1 1977—)
Coden: IJPBDU ISSN 0374-3330
Indian Journal of Physics Part B Indian Association for the Cultivation of Science, 2 & 3 Raja Subodh Chandra Mallik Road, Calcutta 700032, India. Supersedes in part: Indian J. Phys.

Indian J. Power & River Val. Dev. (vol.19, no.1 Jan. 1969—)
Coden: IJPRA7 ISSN 0019-5537
Indian Journal of Power and River Valley Development 6-2 Madan Street, Calcutta 700072, India

Indian J. Pure & Appl. Math. (vol.1, no.1 Jan. 1970—)
Coden: IJMHAU ISSN 0019-5588
Indian Journal of Pure and Applied Mathematics Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi 110002, India

†**Indian J. Pure & Appl. Phys.** (1968—)
Coden: IJOPAU ISSN 0019-5596
Indian Journal of Pure and Applied Physics Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India

†**Indian J. Radio & Space Phys.** (vol.1, no.1 March 1972—)
Coden: IJRSAK ISSN 0367-8393
Indian Journal of Radio & Space Physics Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India

Indian J. Technol. (1968—)
Coden: IJOTA8 ISSN 0019-5669
Indian Journal of Technology Sales & Distribution Officer, Publications & Information Directorate, Hillside Road, New Delhi 110012, India

†**Indian J. Theor. Phys.** (1968—)
Coden: IJTPAL ISSN 0019-5693
Indian Journal of Theoretical Physics Institute of Theoretical Physics, Bognan Kutir, 4-1 Mohan Bagan Lane, Calcutta 700004, India

Indian Natl. Sci. Acad. Bull.
See: Bull. Indian Natl. Sci. Acad.

Indian Natl. Sci. Acad. Proc. Part A
See: Proc. Indian Natl. Sci. Acad. Part A

Indian Stand. Inst. Bull.
See: ISI Bull. (India)

†**Inf. & Control (USA)** (1968—)
Coden: IFCNA4 ISSN 0019-9958
Information and Control Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Inf. & Diritto (Italy) (vol.8, no.1 Jan.-April 1982—)
Coden: IDIRDZ
Informatica e Diritto Istituto per la Documentazione Giuridica, via Panciatichi 56/16, 50127 Firenze, Italy

Inf. & Etud. Medievales
See: Comput. & Medieval Data Process. (Canada)

†**Inf. & Gestion (France)** (no.30 Aug.-Sept. 1971—)
Coden: IFQGAJ ISSN 0020-062X
Informatique et Gestion 41 rue de la Grange-aux-Belles, 75483 Paris Cedex 10, France

†**Inf. & Manage. (Netherlands)** (vol.1, no.1 Nov. 1977—)
Coden: IMANDC ISSN 0378-7206
Information and Management Formerly: Manage. Datamatics (Netherlands)
North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Inf. & Rec. Manage. (USA) (vol.16, no.11 Nov. 1982—)
Coden: INRMBV
Information & Records Management 101 Crossways Park West, Woodbury, NY 11797, USA

Inf. & Referral: J. Alliance Inf. Referral Syst. (USA) (vol.3, no.2 Winter 1981—)
Coden: IREFD9 ISSN 0278-2383
Information and Referral: Journal of the Alliance of Information Referral Systems AIRS National Office, 1100 West 42nd Street, Suite 310, Indianapolis, IN 46208, USA

Inf. Age (GB) (vol.4, no.1 Jan. 1982—)
Coden: IAGEDX ISSN 0261-4103
Information Age Formerly: Inf. Privacy (GB)
Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Inf. Bull. Libr. Autom. Syst. Inf. Exch. (Australia) (vol.2, no.5 March-April 1972—)
Coden: IBLEAS
Information Bulletin of the Library Automated Systems Information Exchange Title changed to: LASIE (Australia)

†**Inf. Bull. Variable Stars (Hungary)** (no.1937 17 March 1981—)
Coden: IBVSDL ISSN 0374-0676
Information Bulletin on Variable Stars Commission 27 of the I.A.U., Konkoly Observatory, Budapest, Hungary

Inf. Disp. (USA) (vol.11, no.6 1974—)
Coden: INFDAB ISSN 0020-0042
Information Display Formerly: SID J. (USA)
Society for Information Display, 654 North Sepulveda Boulevard, Los Angeles, CA 90049, USA

Inf. Disp. (USA) (vol.6, no.5 Sept.-Oct. 1969—)
Coden: INFDAB
Information Display Title changed to: SID J. (USA)

Inf. Econ. & Policy (Netherlands) (vol.1, no.1 1983—)
Coden: IEPODY ISSN 0167-6245
Information Economics and Policy Elsevier Science Publishers B.V. (North-Holland), P.O.Box 1991, 1000 BZ Amsterdam, Netherlands

Inf. Elektron. (Hungary) (vol.4, no.4 1969—)
Coden: INFEBF ISSN 0019-9753
Informacio Elektronika Statistikai Kiado Vallalat, Budapest III, Kaszas u. 10-12, Hungary

Inf. Elettron. (Italy) (no.12 Dec. 1980—)
Coden: INELDX ISSN 0390-2455
Informazione Elettronica Editrice Il Rostro s.a.s., Via Monte Generoso 6/A, 20155 Milano, Italy

Inf. Intell. Online Newsl. (USA) (vol.3, no.1 Jan. 1982—)
Coden: IIONDK ISSN 0194-0694
Information Intelligence Online Newsletter Information Intelligence Inc., P.O.Box 31098, Phoenix, AZ 85046, USA

Inf. Manage. (USA) (vol.18, no.1 Jan. 1984—)
Coden: INMAE7 ISSN 0019-9966
Information Management PTN Publishing Corp., 101 Crossways Park West, Woodbury, NY 11797, USA

Inf. Media & Technol. (GB) (vol.17, no.3 Summer 1984—)
ISSN 0306-2880
Information Media & Technology Formerly: Reprogr. Q. (GB)
National Reprographic Centre for Documentation, The Hatfield Polytechnic, Bayfordbury, Lower Hatfield Road, Hertford, Herts. SG13 8LD, England

Inf. Privacy (GB) (vol.1, no.1 Sept. 1978—)
Coden: INPRD4 ISSN 0141-3406
Information Privacy Title changed to: Inf. Age (GB)

†Inf. Process. & Manage. (GB) (vol.11, no.1-2 June 1975—)
Coden: IPMADK ISSN 0306-4573
Information Processing & Management Formerly: Inf. Storage & Retr. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†Inf. Process. Lett. (Netherlands) (vol.1, no.3 Feb. 1972—)
Coden: IFPLAT ISSN 0020-0190
Information Processing Letters North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Inf. Process. Mach. (Czechoslovakia) (no.22 1982—)
Coden: IPRMDD ISSN 0373-885X
Information Processing Machines Academia, Publishing House of the Czechoslovak Academy of Sciences, 112 29 Praha 1, Nove Mesto, Vodickova 40, Czechoslovakia

Inf. Process. Soc. Jpn. (Joho Shori) (Japan) (vol.16, no.2 1975—)
Coden: JOSHA4 ISSN 0447-8053
Information Processing Society of Japan (Joho Shori) Formerly: J. Inf. Process. Soc. Jpn. (Japan)
Kikai Shino Building, no. 3-5-8 Shiba-Koen, Minato-ku, Tokyo, Japan

Inf. Process. Soc. Jpn. Trans.
See: Trans. Inf. Process. Soc. Jpn. (Japan)

Inf. Rade Koncar (Yugoslavia) (no.45-46 1968—)
Coden: IRKOAT
Informacije Rade Koncar Title changed to: Koncar Strucne Inf. (Yugoslavia)

Inf. Retr. & Libr. Autom. (USA) (vol.19, no.3 Aug. 1983—)
Coden: IRLAAQ ISSN 0020-0220
Information Retrieval & Library Automation Lomond Publications Inc., P.O.Box 88, Mt. Airy, MD 21771, USA

†Inf. Sciences (USA) (vol.1, no.1 Dec. 1968—)
Coden: ISIJBC ISSN 0020-0255
Information Sciences Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Inf. Scientist (GB) (vol.2, no.3 Nov. 1968—)
Coden: INFSBN
Information Scientist Title changed to: J. Inf. Sci. Princ. & Pract. (Netherlands)

†Inf. Serv. & Use (Netherlands) (vol.1, no.1 March 1981—)
Coden: ISUDX8 ISSN 0167-5265
Information Services & Use North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Inf. Soc. (USA) (vol.1, no.2 1981—)
Coden: INSCD8 ISSN 0197-2243
Information Society Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Inf. Storage & Retr. (GB) (1968—)
Coden: IFSRAS
Information Storage and Retrieval Title changed to: Inf. Process. & Manage. (GB)

†Inf. Syst. (GB) (vol.1, no.1 Jan. 1975—)
Coden: INSYD6 ISSN 0306-4379
Information Systems Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Inf. Technol. & Libr. (USA) (vol.1, no.1 March 1982—)
Coden: ITLBDC ISSN 0730-9295
Information Technology and Libraries Formerly: J. Libr. Autom. (USA)
Library and Information Technology Association, 50 East Huron Street, Chicago, IL 60611, USA

Inf. Technol. & People (GB) (vol.3, no.1 1983-1984—)
Coden: ITPED7 ISSN 0261-1732
Information Technology and People CITECH, P.O.Box 5, Ickenham, Uxbridge, Middx. UB10 8AF, England

Inf. Technol. Res. & Dev. (GB) (vol.1, no.1 Jan. 1982—)
Coden: ITRDDE ISSN 0144-817X
Information Technology: Research and Development Title changed to: Inf. Technol. Res. Dev. Appl. (GB)

Inf. Technol. Res. Dev. Appl. (GB) (vol.3, no.2 April 1984—)
ISSN 0144-817X
Information Technology, Research Development Applications Formerly: Inf. Technol. Res. & Dev. (GB)
Butterworth Scientific Ltd., P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Inf. Technol. Train. (GB) (vol.1, no.4 Nov. 1983—)
Coden: ITTREX ISSN 0263-6735
Information Technology Training Longman Group Ltd., 6th Floor, Westgate House, The High, Harlow, Essex CM20 1NE, England

Infomatics (GB) (vol.1, no.1 1 Sept. 1980—)
Coden: IFMTD7 ISSN 0260-7247
Infomatics VNU Business Publications B V, 53-55 Frith Street, London W1A 2HG, England

†INFOR (Canada) (vol.9, no.1 March 1971—)
Coden: INFRCL ISSN 0315-5986
INFOR. Canadian Journal of Operational Research and Information Processing Formerly: Can. Oper. Res. Soc. J. (Canada)
University of Toronto Press, 5201 Dufferin Street, Downsview, Ontario M3H 5T8, Canada

†Informatie (Netherlands) (no.9 Sept. 1972—)
Coden: INFTCR ISSN 0019-9907
Informatie Overboslaan 49, 3722 BK Bilthoven, Netherlands

Informatik (Germany) (vol.19, no.1 1972—)
Coden: IIDWAN ISSN 0019-9915
Informatik Interwerbung, Gesellschaft fur Werbung und Auslandmessen, DDR 104 Berlin, Tucholskystrasse 40, Germany

Informatologia Yugoslavica (vol.1 1969—)
Coden: INYUAL ISSN 0046-9483
Informatologia Yugoslavica Univerzitet u Zagreb, Referalni Centar, Trg. Marsala Tita 3, P.O. Box 327, 41001 Zagreb, Yugoslavia

Informatyka (Poland) (vol.8, no.1 Jan. 1973—)
Coden: IFMKBC ISSN 0542-9951
Informatyka Wydawnictwa Czasopism Technicznych Not. ul. Swietokrzyska 14a, 00-950 Warszawa, Skrytka Pocztowa 1004, Poland

Infosystems (USA) (vol.28, no.1, pt.1 Jan. 1981—)
Coden: IFSYAF ISSN 0364-5533
Infosystems Hitchcock Publishing Co., Hitchcock Building, Wheaton, IL 60187, USA

InfoWorld (USA) (vol.3, no.14 20 July 1981—)
Coden: INWODU ISSN 0199-6649
InfoWorld Popular Computing Inc., 530 Lytton Avenue, Palo Alto, CA 94301, USA

†Infrared Phys. (GB) (1968—)
Coden: INFPAD ISSN 0020-0891
Infrared Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Ing. Electr. & Mec. (Venezuela) (1968—)
Coden: INEMBY ISSN 0020-1049
Ingenieria Electrica y Mecanica Organo de la Associacion Venezolana de Ingenieros Electricos y Mecanicos, Apartado 6255, Caracas, Venezuela

Ing. Mec. & Electr. (Mexico) (vol.25, no.246 Feb.-March 1971—)
Coden: IMYEAY ISSN 0374-339X
Ingenieria Mecanica y Electrica Asociacion Mexicana de Ingenieros Mecanicos y Electricistas, Culiacan 115, Mexico 11, D.F, Mexico

Ing.-Arch. (Germany) (1968—)
Coden: INARAS ISSN 0020-1154
Ingenieur-Archiv Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Ingegnere (Italy) (1968—)
Coden: IGMIAC ISSN 0020-0905
L'Ingegnere Associazione Nazionale Ingegnerie Architetti Italiani, Piazza Sallusto 24, 00187 Roma, Italy

Ingenieur (Canada) (1968—)
Coden: INMOAB ISSN 0020-1138
L'Ingenieur a/s Ecole Polytechnique, Case postale 6079, Succursale 'A' Montreal, Quebec H3C 3A7, Canada

Ingenieur (Netherlands) (1968—)
Coden: INGRAO ISSN 0020-1146
De Ingenieur Koninklijk Institut van Ingenieurs. Editorial address: 23 Prinsessegracht, Den Haag, Netherlands

Inorg. & Nucl. Chem. Lett. (GB) (1968—)
Coden: INUCAF ISSN 0020-1650
Inorganic and Nuclear Chemistry Letters Merged with J. Inorg. & Nucl. Chem. (GB) to form Polyhedron (GB)

Inorg. Mater. (USA) (vol.7, no.6 June 1971—)
Coden: INOMAF ISSN 0020-1685
Inorganic Materials [Translation of: *Izv. Akad. Nauk SSSR Neorg. Mater.*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Inorga (Czechoslovakia) (vol.8, no.4 1974—)
Coden: INRGBD
INORGA Title changed to: Autom. Syst. Rizeni (Czechoslovakia)

INSPEL (Germany) (vol.7, no.1 Jan. 1972—)
Coden: INPLBI ISSN 0019-0217
INSPEL. International Journal of Special Libraries Technische Universitat Berlin, Universitatsbibliothek, Abt. Publikationen, Budapest Strasse 40, D-1000 Berlin 30, Germany

Inst. Electr. Eng. Jpn. Trans. Part A
See: Trans. Inst. Electr. Eng. Jpn. Part A (Japan)

Inst. Electr. Eng. Jpn. Trans. Part B
See: Trans. Inst. Electr. Eng. Jpn. Part B (Japan)

Inst. Electr. Eng. Jpn. Trans. Part C
See: Trans. Inst. Electr. Eng. Jpn. Part C (Japan)

Inst. Electr. Eng. Jpn. Trans. Sect. E
See: Trans. Inst. Electr. Eng. Jpn. Sect. E (Japan)

Inst. Electron. & Commun. Eng. Jpn. J.
See: J. Inst. Electron. & Commun. Eng. Jpn. (Japan)

Inst. Electron. & Commun. Eng. Jpn. Trans. Part A
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part A (Japan)

Inst. Electron. & Commun. Eng. Jpn. Trans. Part B
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part B (Japan)

Inst. Electron. & Commun. Eng. Jpn. Trans. Part C
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part C (Japan)

Inst. Electron. & Commun. Eng. Jpn. Trans. Part D
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part D (Japan)

Inst. Electron. & Commun. Eng. Jpn. Trans. Sect. E
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Sect. E (Japan)

Inst. Electron. & Telecommun. Eng. J.
See: J. Inst. Electron. & Telecommun. Eng. (India)

Inst. Energy J.
See: J. Inst. Energy (GB)

Inst. Eng. (India) Electr. Eng. Div. J.
See: J. Inst. Eng. (India) Electr. Eng. Div.

† indicates a journal abstracted completely

Inst. Eng. (India) Electron. & Telecommun. Eng. Div. J.
See: J. Inst. Eng. (India) Electron. & Telecommun. Eng. Div.
Inst. Eng. (India) Mech. Eng. Div. J.
See: J. Inst. Eng. (India) Mech. Eng. Div.
Inst. Eng. Aust. Chem. Eng. Aust. (Australia) (vol.CE1, no.1-2 1976—)
Coden: CEAUDD
Institution of Engineers, Australia Chemical Engineering in Australia Title changed to: Chem. Eng. Aust. (Australia)
Inst. Eng. Aust. Civ. Eng. Trans.
See: Trans. Inst. Eng. Aust. Civ. Eng. (Australia)
Inst. Eng. Aust. Civ. Eng. Trans. (Australia) (vol.CE13, no.1 April 1971—)
Coden: CVETBB
Institution of Engineers, Australia, Civil Engineering Transactions Title changed to: Trans. Inst. Eng. Aust. Civ. Eng. (Australia)
Inst. Eng. Aust. Electr. Eng. Trans. (Australia) (1968—)
Coden: ELETBV
Institution of Engineers, Australia, Electrical Engineering Transactions Title changed to: Trans. Inst. Eng. Aust. Electr. Eng. (Australia)
Inst. Eng. Aust. J.
See: J. Inst. Eng. Aust. (Australia)
Inst. Eng. Aust. Mech. & Chem. Eng. Trans. (Australia) (1968—)
Coden: IEMTBW
Institution of Engineers, Australia, Mechanical and Chemical Engineering Transactions Journal split into two parts: Inst. Eng. Aust. Chem. Eng. Aust. (Australia) and Inst. Eng. Aust. Mech Eng. Trans. (Australia)
Inst. Eng. Aust. Mech. Eng. Trans.
See: Trans. Inst. Eng. Aust. Mech. Eng. (Australia)
Inst. Eng. Aust. Mech. Eng. Trans. (Australia) (vol.ME1, no.1-2 1976—)
Coden: METSD8
Institution of Engineers, Australia, Mechanical Engineering Transactions Title changed to: Trans. Inst. Eng. Aust. Mech. Eng. (Australia)
Inst. Eng. Singapore J.
See: IES J. (Singapore)
Inst. Forum (GB) (no.23 Summer 1984—)
Institute Forum Chameleon Press Ltd., 5-25 Burr Road, London SW18 4SG, England
Inst. Ind. Eng. Trans.
See: IIE Trans. (USA)
Inst. Low Temp. Sci. Contrib. Ser. A
See: Contrib. Inst. Low Temp. Sci. Ser. A (Japan)
Inst. Meas. & Control Trans.
See: Trans. Inst. Meas. & Control (GB)
Inst. Mech. Eng. Proc.
See: Proc. Inst. Mech. Eng. (GB)
Inst. Met. Finish. Trans.
See: Trans. Inst. Met. Finish. (GB)
Inst. Phys. & Chem. Res. Rep.
See: Rep. Inst. Phys. & Chem. Res. (Japan)
Inst. Phys. & Chem. Res. Sci. Pap.
See: Sci. Pap. Inst. Phys. & Chem. Res. (Japan)
Inst. Politeh. Iasi Bul. Sect. I
See: Bul. Inst. Politeh. Iasi Sect. I (Rumania)
Inst. Politeh. Iasi Bul. Sect. III
See: Bul. Inst. Politeh. Iasi Sect. III (Rumania)
Inst. R. Meteorol. Belg. Bull. Trimest. Obs. Ozone (Belgium) (vol.50, no.3 July-Sept. 1976—)
Coden: IRODAG
Institut Royal Meteorologique de Belgique Bulletin Trimestriel Observations d'Ozone Avenue Circulaire 3, 1180 Bruxelles, Belgium
Inst. R. Meteorol. Belg. Publ. Ser. A
See: Publ. Inst. R. Meteorol. Belg. Ser. A (Belgium)
Inst. R. Meteorol. Belg. Publ. Ser. B
See: Publ. Inst. R. Meteorol. Belg. Ser. B (Belgium)
Inst. Railw. Signal Eng. Proc.
See: Proc. Inst. Railw. Signal Eng. (GB)
Inst. Telev. Eng. Jpn. J.
See: J. Inst. Telev. Eng. Jpn. (Japan)
Instr. Innovator (USA) (vol.26, no.9 Nov. 1981—)
Coden: INIODS ISSN 0196-6979
Instructional Innovator Association for Educational Communications and Technology, 1126 Sixteenth Street, N.W., Washington, DC 20036, USA
Instrum. & Control Syst. (USA) (1968—)
Coden: INCSA7 ISSN 0164-0089
Instruments and Control Systems Title changed to: I&CS-Ind. & Process Control Mag. (USA)
†**Instrum. & Exp. Tech. (USA)** (1968—)
Coden: INETAK ISSN 0020-4412
Instruments and Experimental Techniques [Translation of: *Prib. & Tekh. Eksp. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA
Instrum. India (vol.3, no.7 July 1968—)
Coden: INSIBO ISSN 0047-0376
Instruments India IMDA, A-32, Navyug Niwas, 167 Dr. D. Bhadkamkar Road, Bombay 400007, India
Instrum. Technol.
See: InTech (USA)
Instrum. Technol. (USA) (1968—)
Coden: IRTCA4
Instrumentation Technology Title changed to: InTech (USA)
Instrumentation (USA) (1968—)
Coden: INSRAG ISSN 0020-4366
Instrumentation Honeywell Inc., Fort Washington, Philadelphia, PA 19034, USA
Insul./Circuits (USA) (vol.16, no.3 March 1970—)
Coden: ISCUBF ISSN 0020-4544
Insulation/Circuits Formerly: Insulation (USA) Title changed to: Electri.onics (USA)
Insulation (USA) (1968—)
Coden: INULA8
Insulation Title changed to: Insul./Circuits (USA)
Insur. Math. & Econ. (Netherlands) (vol.3, no.1 Jan. 1984—)
Coden: IMECDX ISSN 0167-6687
Insurance Mathematics & Economics Elsevier Science Publishers B.V. (North-Holland), P.O.Box 1991, 1000 BZ Amsterdam, Netherlands
Int. Assoc. Agric. Libr. & Doc. Q. Bull.
See: Q. Bull. Int. Assoc. Agric. Libr. & Doc. (Netherlands)
Int. Assoc. Tech. Univ. Libr. Proc.
See: IATUL Proc. (Sweden)
Int. Astron. Union Circ.
See: I.A.U. Circ. (USA)
Int. At. Energy Agency Bull. (Austria) (vol.12, no.2 1970—)
Coden: IAEBAB ISSN 0020-6067
International Atomic Energy Agency Bulletin Karntnerring 11, P.O. Box 590, A-1011 Wien, Austria
Int. Broadcast Eng. (GB) (no.80 Aug. 1971—)
Coden: IBREBP ISSN 0020-6229
International Broadcast Engineer Whitton Press Ltd., 50 High Street, Eton, Berks, England
Int. Broadcast. Syst. & Oper. (GB) (vol.3, no.4 April 1980—)
Coden: IBSODS ISSN 0141-1748
International Broadcasting Systems & Operation Formerly: Broadcast. Syst. & Oper. (GB)
BSO Publications Ltd., 13 Great James Street, London WC1N 3DP, England
Int. Bus. Equip. (Belgium) (vol.17, no.2 April 1980—)
Coden: IBSEBU ISSN 0377-9106
International Business Equipment Office Publications Inc., Rue Veydt 65, 1050 Brussels, Belgium
Int. Classif. (Germany) (vol.5, no.1 1978—)
Coden: INCLDN ISSN 0340-0050
International Classification Indeks Verlag, Woogstrasse 36a, D-6000 Frankfurt 50, Germany
Int. Comet Q. (USA) (vol.1, no.1 Jan. 1979—)
Coden: ICOQDL ISSN 0736-6922
International Comet Quarterly Department of Physics and Astronomy, Appalachian State University, Boone, NC 28608, USA
†**Int. Commun. Heat & Mass Transfer (GB)** (vol.10, no.1 Jan.-Feb. 1983—)
Coden: IHMTDL ISSN 0735-1933
International Communications in Heat and Mass Transfer Formerly: Lett. Heat & Mass Transfer (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Int. Electrotech. Comm. Bull.
See: IEC Bull. (Switzerland)
Int. Elektron. Rundsch. (Germany) (1968—)
Coden: IELRAK
Internationale Elektronische Rundschau Title changed to: Nachr. Elektron. (Germany)
Int. Fiber Opt. & Commun.
See: IFOC Int. Fiber Opt. & Commun. (USA)
Int. Forum Inf. & Doc. (USSR) (vol.7, no.1 Jan. 1982—)
Coden: IFIDD7 ISSN 0304-9701
International Forum on Information and Documentation All-Union Institute of Scientific and Technical Information (VINITI), 125219 Moscow, Baltijskaya ul. 14, USSR
Int. Ind. (GB) (vol.1 Jan. 1984—)
Coden: INTIEW ISSN 0024-9203
International Industry Formerly: Mach. Lloyd Int. (GB)
A.E. Morgan Publications Ltd., 8 Stanley House, West Street, Epsom, Surrey KT18 7LR, England
Int. J. Ambient Energy (GB) (vol.3, no.1 Jan. 1982—)
Coden: IJAEDW ISSN 0143-0750
International Journal of Ambient Energy Ambient Press Ltd., Hornby, Lancaster LA2 8LB, England
Int. J. Appl. Radiat. & Isot. (GB) (1968—)
Coden: IJARAY ISSN 0020-708X
International Journal of Applied Radiation and Isotopes Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Int. J. Bio-Med. Comput. (Netherlands) (vol.5, no.1 Jan. 1974—)
Coden: IJBCBT ISSN 0020-7101
International Journal of Bio-Medical Computing Elsevier-North Holland Scientific Publishers, P.O. Box 211, 1000 AE Amsterdam, England
†**Int. J. Circuit Theory & Appl. (GB)** (vol.1, no.1 March 1973—)
Coden: ICTACV ISSN 0098-9886
International Journal of Circuit Theory and Applications John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England
†**Int. J. Comput. & Inf. Sci. (USA)** (vol.1, no.1 March 1972—)
Coden: IJCIAH ISSN 0091-7036
International Journal of Computer & Information Sciences Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA
Int. J. Comput. & Math. Electr. & Electron. Eng.
See: COMPEL-Int. J. Comput. & Math. Electr. & Electron. Eng. (Ireland)
†**Int. J. Comput. Math. (GB)** (vol.2, no.1 Jan. 1968—)
Coden: IJCMAT ISSN 0020-7160
International Journal of Computer Mathematics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DF, England
†**Int. J. Control (GB)** (1968—)
Coden: IJCOAZ ISSN 0020-7179
International Journal of Control Taylor and Francis Ltd., 4 John Street, London WC1N 2ET, England
Int. J. Earthquake Eng. & Struct. Dyn. (GB) (vol.2, no.1 July-Sept. 1973—)
Coden: IJEEBG
International Journal of Earthquake Engineering & Structural Dynamics Title changed to: Earthquake Eng. & Struct. Dyn. (GB)
†**Int. J. Electr. Eng. Educ. (GB)** (1968—)
Coden: IJEEAF ISSN 0020-7209
International Journal of Electrical Engineering Education Manchester University Press, Oxford Road, Manchester M13 9PL, England
†**Int. J. Electr. Power & Energy Syst. (GB)** (vol.2, no.1 Jan. 1980—)
Coden: IEPSDC ISSN 0142-0615
International Journal of Electrical Power & Energy Systems Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
†**Int. J. Electron. (GB)** (1968—)
Coden: IJELA2 ISSN 0020-7217
International Journal of Electronics Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England
Int. J. Energy Res. (GB) (vol.1, no.1 Jan.-March 1977—)
Coden: IJERDN ISSN 0363-907X
International Journal of Energy Research John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Int. J. Eng. Sci. (GB) (1968—)
Coden: IJESAN ISSN 0020-7225
International Journal of Engineering Science Pergamon Press Ltd., Headington Hill Hall, Oxford, 0X3 OBW, England. Incorporates Lett. Appl. & Eng. Sci. (GB)

Int. J. Fatigue (GB) (vol.2, no.1 Jan. 1980—)
Coden: IJFADB ISSN 0142-1123
International Journal of Fatigue Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Int. J. Fract. (Netherlands)** (vol.9, no.1 March 1973—)
Coden: IJFRAP ISSN 0376-9429
International Journal of Fracture Formerly: Int. J. Fract. Mech. (Netherlands)
Sijthoff & Noordhoff International Publishing, P.O. Box 4 Alphen Aan den Rijn, Netherlands

Int. J. Fract. Mech. (Netherlands) (vol.4, no.4 Dec. 1968—)
Coden: IJFMAA
International Journal of Fracture Mechanics Title changed to: Int. J. Fract. (Netherlands)

Int. J. Fusion Energy (USA) (vol.2, no.1 Summer 1978—)
Coden: IJFEDN ISSN 0146-4981
International Journal of Fusion Energy Fusion Energy Foundation, Suite 1711, 250 West 57th Street, New York, NY 10019, USA

†**Int. J. Game Theory (Austria)** (vol.1, no.1 1971—)
Coden: IJGTA2 ISSN 0020-7276
International Journal of Game Theory Physica Verlag Rudolf Liebing KG, A-1010 Wien, Seilerstaette 18, Austria

Int. J. Gen. Syst. (GB) (vol.1, no.1 1974—)
Coden: IJGSD2 ISSN 0308-1079
International Journal of General Systems Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Int. J. Heat & Fluid Flow (GB) (vol.1, no.1 March 1979—)
Coden: IJHFD2 ISSN 0142-727X
International Journal of Heat and Fluid Flow Formerly: Heat & Fluid Flow (GB)
Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Int. J. Heat & Mass Transfer (GB)** (1968—)
Coden: IJHMAK ISSN 0017-9310
International Journal of Heat and Mass Transfer Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Int. J. Hybrid Microelectron. (USA)** (vol.4, no.1 Spring 1981—)
Coden: IMICDJ
International Journal for Hybrid Microelectronics International Society for Hybrid Microelectronics, P.O.Box 3255, Montgomery, AL 36109, USA

Int. J. Hydrogen Energy (GB) (vol.3, no.4 1978—)
Coden: IJHEDX ISSN 0360-3199
International Journal of Hydrogen Energy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Int. J. Infrared & Millim. Waves (USA)** (vol.1, no.1 March 1980—)
Coden: IJIWDO ISSN 0195-9271
International Journal of Infrared and Millimeter Waves Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

†**Int. J. Man-Mach. Stud. (GB)** (vol.2, no.2 April 1970—)
Coden: IJMMBC ISSN 0020-7373
International Journal of Man-Machine Studies Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England

Int. J. Mass Spectrom. & Ion Phys. (Netherlands) (1968—)
Coden: IJMIBY ISSN 0020-7381
International Journal of Mass Spectrometry and Ion Physics Title changed to: Int. J. Mass Spectrom. & Ion Process. (Netherlands)

†**Int. J. Mass Spectrom. & Ion Process. (Netherlands)** (vol.54, no.1-2 2 Oct. 1983—)
Coden: IJMPDN ISSN 0168-1176
International Journal of Mass Spectrometry and Ion Processes Formerly: Int. J. Mass Spectrom. & Ion Phys. (Netherlands)
Elsevier Science Publishers B.V., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Int. J. Math. Educ. Sci. & Technol. (GB) (vol.1, no.1 Jan.-March 1970—)
Coden: IJMEBM ISSN 0020-739X
International Journal of Mathematical Education in Science and Technology Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Int. J. Mech. Sci. (GB) (1968—)
Coden: IMSCAW ISSN 0020-7403
International Journal of Mechanical Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Microgr. & Video Technol. (GB) (vol.1, no.1 1982—)
Coden: IJMTDZ ISSN 0743-9636
International Journal of Micrographics & Video Technology Formerly: Microdoc (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†**Int. J. Mini & Microcomput. (USA)** (vol.2, no.1 1980—)
Coden: IJMMDE ISSN 0702-0481
International Journal of Mini and Microcomputers Acta Press, P.O.Box 2481, Anaheim, CA 92804, USA

†**Int. J. Multiphase Flow (GB)** (vol.1, no.2 16 April 1974—)
Coden: IJMFBP ISSN 0301-9322
International Journal of Multiphase Flow Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Non-Linear Mech. (GB) (1968—)
Coden: IJNMAG ISSN 0020-7462
International Journal of Non-Linear Mechanics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Nucl. Med. & Biol. (GB) (vol.1, no.1 Jan. 1973—)
Coden: IJNMCI ISSN 0047-0740
International Journal of Nuclear Medicine & Biology Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Numer. & Anal. Methods Geomech. (GB) (vol.1, no.1 Jan.-March 1977—)
Coden: IJNGDZ ISSN 0363-9061
International Journal for Numerical and Analytical Methods in Geomechanics John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Int. J. Numer. Methods Eng. (GB) (vol.1, no.1 Jan.-March 1969—)
Coden: IJNMBH ISSN 0029-5981
International Journal for Numerical Methods in Engineering John Wiley and Sons Ltd., Baffins Lane, Chichester, Sussex, PO19 1UD, England

Int. J. Numer. Methods Fluids (GB) (vol.4, no.2 Feb. 1984—)
Coden: IJNFDW ISSN 0271-2091
International Journal for Numerical Methods in Fluids John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Int. J. Oper. & Prod. Manage. (GB) (vol.2, no.2 1981—)
Coden: IOPMDU ISSN 0144-3577
International Journal of Operations & Production Management MCB Publications Ltd., 189-200 Keighley Road, Bradford, West Yorks. BD9 4JQ, England

†**Int. J. Policy & Inf. (Taiwan)** (vol.4, no.1 15 June 1980—)
Coden: IJPIDH ISSN 0251-1266
International Journal on Policy and Information Graduate School of Information Engineering, Tamkang University, Taiwan 251, Taiwan. Knowledge Systems Institute, P.O.Box 41, Glencoe, IL 60022, USA

Int. J. Polym. Mater. (GB) (vol.1, no.2 Jan. 1972—)
Coden: IJPMCS ISSN 0091-4037
International Journal of Polymeric Materials Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Int. J. Prod. Res. (GB) (vol.14, no.1 Jan. 1976—)
Coden: IJPRB8 ISSN 0020-7543
International Journal of Production Research Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Quantum Chem. (USA) (1968—)
Coden: IJQCB2 ISSN 0020-7608
International Journal of Quantum Chemistry John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

Int. J. Quantum Chem. Quantum Biol. Symp. (USA) (no.7 1980—)
Coden: IJQSAF ISSN 0360-8832
International Journal of Quantum Chemistry, Quantum Biology Symposium Issued with: *Int. J. Quantum Chem. (USA)*

†**Int. J. Quantum Chem. Quantum Chem. Symp. (USA)** (no.14 1980—)
Coden: IJQSDI ISSN 0161-3642
International Journal of Quantum Chemistry, Quantum Chemistry Symposia Issued with: *Int. J. Quantum Chem. (USA)*

Int. J. Radiat. Biol. (GB) (vol.20, no.6 1971—)
Coden: IJRBA3 ISSN 0020-7616
International Journal of Radiation Biology Taylor and Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Radiat. Oncology Biol. Phys. (GB) (vol.1, no.11-12 Nov.-Dec. 1976—)
Coden: IOBPD3 ISSN 0360-3016
International Journal of Radiation Oncology Biology Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Int. J. Radiat. Phys. & Chem. (GB) (vol.2, no.1 April 1970—)
Coden: IJRCA6
International Journal of Radiation Physics and Chemistry Title changed to: Radiat. Phys. & Chem. (GB)

Int. J. Refract. & Hard Met. (GB) (vol.1, no.1 March 1982—)
Coden: IJRMD5 ISSN 0263-4368
International Journal of Refractory & Hard Metals MPR Publishing Services Ltd., 17-19 Talbot Chambers, Shrewsbury SY1 1LG, England

Int. J. Remote Sens. (GB) (vol.3, no.1 Jan.-March 1982—)
Coden: IJSEDK ISSN 0143-1161
International Journal of Remote Sensing Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Int. J. Robotics Res. (USA) (vol.2, no.3 Fall 1983—)
Coden: IJRREL ISSN 0278-3649
International Journal of Robotics Research MIT Press, 28 Carleton Street, Cambridge, MA 02142, USA

Int. J. Rock Mech. & Min. Sci. & Geomech. Abstr. (GB) (vol.9, no.3 May 1972—)
Coden: IJRMA2 ISSN 0148-9062
International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Satell. Commun. (GB) (vol.1, no.2 Oct.-Dec. 1983—)
Coden: IJSCEF ISSN 0737-2884
International Journal of Satellite Communications John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Int. J. Soil Dyn. & Earthquake Eng. (GB) (vol.1, no.3 July 1982—)
Coden: IJDEDD ISSN 0261-7277
International Journal of Soil Dynamics and Earthquake Engineering Title changed to: Soil Dyn. & Earthquake Eng. (GB)

Int. J. Sol. Energy (Switzerland) (vol.1, no.3 1982—)
Coden: IJSEEL ISSN 0142-5919
International Journal of Solar Energy Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

†**Int. J. Solids & Struct. (GB)** (1968—)
Coden: IJSOAD ISSN 0020-7683
International Journal of Solids and Structures Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Spec. Libr.
See: INSPEL (Germany)

†**Int. J. Syst. Sci. (GB)** (vol.2, no.1 July 1971—)
Coden: IJSYA9 ISSN 0020-7721
International Journal of Systems Science Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

†**Int. J. Theor. Phys. (USA)** (vol.2, no.3 Oct. 1969—)
Coden: IJTPBM ISSN 0020-7748
International Journal of Theoretical Physics Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, England

Int. J. Thermophys. (USA) (vol.1, no.1 March 1980—)
Coden: IJTHDY ISSN 0195-928X
International Journal of Thermophysics Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Int. J. Veh. Des. (GB) (vol.2, no.1 Feb. 1981—)
Coden: IJVDDW ISSN 0143-3369
International Journal of Vehicle Design Interscience Enterprises Ltd., La Motte Chambers, St. Helier, Jersey, Channel Islands, United Kingdom

Int. Manage. Eur. (GB) (vol.38, no.6 June 1983—)
Coden: IMEUDJ ISSN 0020-7888
International Management Europe McGraw-Hill International Publications Ltd., 34 Dover Street, London W1, England

Int. Met. Rev. (GB) (vol.21 Sept. 1976—)
Coden: IMERDA ISSN 0308-4590
International Metals Reviews Formerly: Int. Metall. Rev. (GB)
Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

† indicates a journal abstracted completely

Int. Metall. Rev. (GB) (vol.17, no.158-161 March 1972—)
Coden: IMRVBH
International Metallurgical Reviews Title changed to: Int. Met. Rev. (GB)

Int. Microgr. Congr. J.
See: IMC J. (USA)

Int. Power Generation (GB) (vol.2, no.4 June 1979—)
Coden: IPGED2 ISSN 0141-1918
International Power Generation Fuel and Metallurgical Journals Ltd., 2 Queensway, Redhill RH1 1QS, England

Int. Railw. Gaz. (GB) (1968—)
Coden: RGZTA5
International Railway Gazette Title changed to: Railw. Gaz. Int. (GB)

Int. Water Power & Dam Constr. (GB) (vol.27, no.2 Feb. 1975—)
Coden: IWPCDM ISSN 0306-400X
International Water Power & Dam Construction Formerly: Water Power (GB)
IPC Electrical-Electronic Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

InTech (USA) (vol.26, no.1 Jan. 1979—)
Coden: INTCDD ISSN 0192-303X
InTech (Instrumentation Technology) Formerly: Instrum. Technol. (USA)
Instrument Society of America, 67 Alexander Drive, P.O.Box 12277, Research Triangle Park, NC 27709, USA

Integrated Circuits Int. (GB) (vol.6, no.5 July 1982—)
Coden: ICIIDZ ISSN 0263-6522
Integrated Circuits International Formerly: MNI Microcomput. News Int. (GB)
Elsevier International Bulletins, Mayfield House, 256 Banbury Road, Oxford OX2 7DH, England. Elsevier International Bulletins, Associated Scientific Publishers, P.O.Box 211, 1000 AE Amsterdam, Netherlands

†Integration VLSI J. (Netherlands) (vol.1, no.1 April 1983—)
Coden: IVJODL ISSN 0167-9260
Integration, The VLSI Journal North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Inter Connexion (France) (no.11 Sept. 1970—)
Coden: INCXBN ISSN 0374-3381
Inter Connexion Groupement Syndicat des Industries de Materials d'Equipement Electrique, 11 Rue Hamelin, 75783 Paris 6, France

Inter-Univ. Comm. Comput. Bull.
See: IUCC Bull. (GB)

Interavia (Engl. Ed.) (Switzerland) (vol.31, no.2 Feb. 1976—)
Coden: INTRAL ISSN 0020-5168
Interavia (English Edition) Interavia S.A., 86 Avenue Louis-Casai, P.O. Box 162, 1216 Cointrin, Geneva, Switzerland

Interdisciplinary Sci. Rev. (GB) (vol.1, no.1 March 1976—)
Coden: ISCRD8 ISSN 0308-0188
Interdisciplinary Science Reviews Wiley Heyden, Baffins Lane, Chichester, West Sussex PO19 1UD, England

Interface (Netherlands) (vol.1, no.1 April 1972—)
Coden: IFCEBC ISSN 0303-3902
Interface Swets Publishing Service, 347b Heereweg, 2160 AH Lisse, Netherlands

†Interface Age (USA) (vol.3, no.11 Nov. 1978—)
Coden: INFAD5 ISSN 0147-2992
Interface Age McPheters, Wolfe & Jones, 16704 Marquardt Avenue, Cerritos, CA 90701, USA

Interface Comput. Educ. Q. (USA) (vol.1, no.1 Winter 1979—)
Coden: INFCDB ISSN 0163-6626
Interface: The Computer Education Quarterly 116 Royal Oak, Santa Cruz, CA 95066, USA

Interfaces (USA) (vol.3, no.1 Nov. 1972—)
Coden: INFAC4 ISSN 0092-2102
Interfaces Formerly: Bull. Inst. Manage. Sci. (USA)
Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903, USA

Interfaces Comput. (Switzerland) (vol.1, no.1 May 1982—)
Coden: INCOEX ISSN 0252-7308
Interfaces in Computing Elsevier Sequoia S.A., P.O.Box 851, 1001 Lausanne 1, Switzerland

Interlending & Doc. Supply (GB) (vol.11, no.1 Jan. 1983—)
Coden: IDSUDQ ISSN 0264-1615
Interlending & Document Supply Formerly: Interlending Rev. (GB)
British Library Lending Division, Boston Spa, Wetherby, West Yorks. LS23 7BQ, England

Interlending Rev. (GB) (vol.6, no.1 Jan. 1978—)
Coden: IREVDN ISSN 0140-2773
Interlending Review Formerly: BLL Rev. (GB) Title changed to: Interlending & Doc. Supply (GB)

Intern. Auditor (USA) (vol.40, no.6 Dec. 1983—)
Coden: ITAUAB ISSN 0020-5745
Internal Auditor Institute of Internal Auditors Inc., 249 Maitland Avenue, Altamonte Springs, FL 32701, USA

Inzh.-Fiz. Zh. (USSR) (1968—)
Coden: INFZA9 ISSN 0021-0285
Inzhenerno-Fizicheskii Zhurnal Izdatel'stvo Akademii Nauk BSSR, Editorial address: Polesnaya 25, Minsk 13, USSR [English translation in: *J. Eng. Phys. (USA)*]

Ion Exch. & Membranes (GB) (vol.1, no.1 Dec. 1972—)
Coden: IEXMBW ISSN 0091-0619
Ion Exchange and Membranes Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Iowa Acad. Sci. Proc.
See: Proc. Iowa Acad. Sci. (USA)

IPLE Light. J. (GB) (vol.48, no.1 March 1983—)
ISSN 0033-3603
IPLE Lighting Journal Formerly: Public Light. (GB)
Institution of Public Lighting Engineers, Lennox House, 9 Lawford Road, Rugby, Warwicks. CV21 2DZ, England

Ir. Comput. (Ireland) (vol.5, no.5 July-Aug. 1981—)
Coden: IRCODQ ISSN 0332-0197
Irish Computer Computer Publications of Ireland Ltd., 'Birchdale', Cherrywood Road, Loghlinstown, Co. Dublin, Ireland

Iran. J. Sci. & Technol. (GB) (vol.6, no.1 1977—)
Coden: IJSTBT ISSN 0360-1307
Iranian Journal of Science and Technology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Iraqi J. Sci. (vol.21, no.3 1980—)
Coden: IRJSD5 ISSN 0067-2904
Iraqi Journal of Science College of Science, Adamiya, Baghdad, Iraq

Irish Astron. J. (vol.9, no.1-2 March-June 1969—)
Coden: IRAJAW ISSN 0021-1052
Irish Astronomical Journal Armagh Observatory, Armagh BT61 9DG, Northern Ireland

Iron & Steel Eng. (USA) (vol.45, no.12 Dec. 1968—)
Coden: IRSEA5 ISSN 0021-1559
Iron and Steel Engineer Association of Iron & Steel Engineers, Suite 2350, Three Gateway Centre, Pittsburgh, PA 15222, USA

Iron & Steel Int. (GB) (vol.50, no.1 Feb. 1977—)
Coden: ISINBO ISSN 0308-9142
Iron and Steel International Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Iron Age (USA) (vol.226, no.18 24 June 1983—)
Coden: IRAGAN ISSN 0164-5137
Iron Age Chilton Co., Chilton Way, Radnor, PA 19089, USA

ISA Trans. (USA) (1968—)
Coden: ISATAZ ISSN 0019-0578
ISA Transactions Instrument Society of America, P.O. Box 12277, 67 Alexander Drive, Research Triangle Park, NC 27709, USA

Ishikawajima Harima Giho
See: Ishikawajima-Harima Eng. Rev. (Japan)

Ishikawajima-Harima Eng. Rev. (Japan) (vol.10, no.4 July 1970—)
Coden: ISHGAV ISSN 0578-7904
Ishikawajima-Harima Engineering Review 2-16 Toyosu 3-chome, Kotuko, Tokyo 135, Japan

ISI Bull. (India) (vol.21, no.3 March 1969—)
Coden: ISTBA8 ISSN 0019-0632
ISI Bulletin Indian Standards Institution, Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, India

Islamabad J. Sci. (Pakistan) (vol.2, no.1 June 1975—)
Coden: IJSCDE ISSN 0304-5218
Islamabad Journal of Sciences Formerly: J. Math. & Sci. (Pakistan)
University of Islamabad, Islamabad, Pakistan

Isot. Geosci. (Netherlands) (vol.2, no.1 April 1984—)
Coden: ISGEDN ISSN 0167-6695
Isotope Geoscience Elsevier Science Publishers B.V., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Isr. J. Chem. (Israel) (vol.10, no.1 1972—)
Coden: ISJCAT ISSN 0021-2148
Israel Journal of Chemistry Weizmann Science Press, P.O. Box 801, Jerusalem 91000, Israel

Isr. J. Earth-Sci. (Israel) (vol.32, no.1-2 1983—)
Coden: IJERAK ISSN 0021-2164
Israel Journal of the Earth-Sciences Weizmann Science Press of Israel, P.O.Box 801, Jerusalem 91007, Israel

Isr. J. Math. (Israel) (vol.38, no.1-2 1981—)
Coden: ISJMAP ISSN 0021-2172
Israel Journal of Mathematics Weizmann Science Press of Israel, P.O.Box 801, Jerusalem 91007, Israel

Isr. J. Technol. (Israel) (1968—)
Coden: ISJTAC ISSN 0021-2202
Israel Journal of Technology Weizmann Science Press, P.O. Box 801, Jerusalem 91000, Israel

Isr. Phys. Soc. Ann.
See: Ann. Isr. Phys. Soc. (Israel)

Isr. Phys. Soc. Bull.
See: Bull. Isr. Phys. Soc. (Israel)

Isr. Soc. Spec. Libr. & Inf. Cent. Bull.
See: Bull. Isr. Soc. Spec. Libr. & Inf. Cent. (Israel)

Issled. Zemli iz Kosmosa (USSR) (1968—)
Coden: IZKODK ISSN 0205-9614
Issledovanie Zemli iz Kosmosa Izdatel'stvo 'Nauka', 103717 GSP Moskva K-62, Podsosenskii Per. 21, USSR [English translation in: *Sov. J. Remote Sensing (Switzerland)*]

Ist. Lomb. Rend. A
See: Rend. Ist. Lomb. A (Italy)

Istanbul Tech. Univ. Bull.
See: Bull. Tech. Univ. Istanbul (Turkey)

Istanbul Univ. Fac. Sci. Rev. Ser. C
See: Rev. Fac. Sci. Univ. Istanbul Ser. C (Turkey)

ITC J. (Netherlands) (no.1 1984—)
Coden: ITCJDP ISSN 0303-2434
ITC Journal International Institute for Aerial Survey and Earth Sciences (ITC), 350 Boulevard 1945, P.O.Box 6, 7500 AA Enschede, Netherlands

Itogi Nauk. & Tekh. Ser. Issled. Kosm. Prostranstva (USSR) (no.3 1972—)
Coden: IIKPA3 ISSN 0202-0734
Itogi Nauki i Tekhniki Seriya Issledovanie Kosmicheskogo Prostranstva
Akademiya Nauk SSSR, Institut Nauchnoi i Tekhnicheskoi Informatsii, Moskva, A-219, Baltiiskaya Ul. 14, USSR

IUCC Bull. (GB) (vol.1, no.1 Spring 1979—)
Coden: IUBUDQ ISSN 0142-2464
IUCC Bulletin Formerly: IUCC Newsl. (GB) Title changed to: Univ. Comput. (GB)

IUCC Newsl. (GB) (vol.4, no.1 Dec. 1975—)
Coden: IUCNDA
IUCC Newsletter Title changed to: IUCC Bull. (GB)

Iwate Daigaku Kogakubu Kenkyu Hokoku
See: Rep. Technol. Iwate Univ. (Japan)

Iwate Univ. Rep. Technol.
See: Rep. Technol. Iwate Univ. (Japan)

Iwate Univ. Technol. Rep.
See: Technol. Rep. Iwate Univ. (Japan)

Iyo Denshi To Seitai Kogaku (Nihon M-E Gakkai Zasshi)
See: Jpn. J. Med. Electron. & Biol. Eng. (Japan)

Izmer. Tekh. (USSR) (1968—)
Coden: IZTEAW ISSN 0021-3349
Izmeritel'naya Tekhnika Academy of Sciences USSR Leninskii Prosp., Moskva, USSR [English translation in: *Meas. Tech. (USA)*]

Izotoptechnika (Hungary) (vol.22, no.4 1979—)
Coden: IZTTA9 ISSN 0004-7201
Izotoptechnika Magyar Tudomanyos Akademia Izotop Intezete, Pf. 77, Budapest 1525, Hungary

† indicates a journal abstracted completely

Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA) (vol.8, no.6 June 1972—)
Coden: IAOPB2 ISSN 0375-8303
Izvestiya, Academy of Sciences USSR. Atmospheric and Oceanic Physics Formerly: Bull. Acad. Sci. USSR. Atmos. & Oceanic Phys. Ser. (USA) [Translation of: *Izv. Akad. Nauk SSSR Fiz. Atmos. & Okeana*] American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA

Izv. Acad. Sci. USSR. Phys. Solid Earth (USA) (1968—)
Coden: IPSEBQ ISSN 0001-4354
Izvestiya Academy of Sciences USSR, Physics of the Solid Earth [Translation of: *Izv. Akad. Nauk SSSR Fiz. Zemli*] American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Izv. Akad. Nauk Arm. SSR Fiz. (USSR) (vol.5, no.2 1970—)
Coden: IAAFA3 ISSN 0002-3035
Izvestiya Akademia Nauk Armyanskoi SSR Fizika Editorial address: Erevan-GCP, Barekamutyan 24 B, USSR

Izv. Akad. Nauk Arm. SSR, Ser. Tekh. Nauk (USSR) (vol.21, no.4 1968—)
Coden: IATNAK ISSN 0002-306X
Izvestiya Akademiya Nauk Armyanskoi SSR, Seriya Tekhnicheskaya Nauk Izdatel'stva AN Armyanskoi SSR, Erevan, Barekamutyan 24, USSR

Izv. Akad. Nauk Az. SSR Ser. Fiz.-Tekh. & Mat. Nauk (USSR) (no.1 1973—)
Coden: IAFMAF ISSN 0002-3108
Izvestiya Akademii Nauk Azerbaidzhanskoi SSR Seriya Fiziko Tekhnicheskikh i Matematicheskikh Nauk Izdatel'stvo ELM, Baku, USSR

Izv. Akad. Nauk SSSR Energ. & Transp. (no.1 1972—)
Coden: IAETAV ISSN 0002-3310
Izvestiya Akademii Nauk SSSR Energetika i Transport Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Power Eng. (J. Acad. Sci. USSR) (USA)*]

Izv. Akad. Nauk SSSR Fiz. Atmos. & Okeana (1968—)
Coden: IFAOAV ISSN 0002-3515
Izvestiya Akademii Nauk SSSR, Fizika Atmosfery i Okeana Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA)*]

Izv. Akad. Nauk SSSR Fiz. Zemli (1968—)
Coden: IAFZAK
Izvestiya Akademii Nauk SSSR. Fizika Zemli Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Izv. Acad. Sci. USSR. Phys. Solid Earth (USA)*]

Izv. Akad. Nauk SSSR Mekh. Tverd. Tela (no.1 1972—)
Coden: IZMTB9 ISSN 0572-3299
Izvestiya Akademii Nauk SSSR Mekhanika Tverdogo Tela Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Mech. Solids (USA)*]

Izv. Akad. Nauk SSSR Mekh. Zhidk. & Gaza (1968—)
Coden: IMZGAB ISSN 0568-5281
Izvestiya Akademii Nauk SSSR Mekhanika Zhidkosti i Gaza Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Fluid Dyn. (USA)*]

Izv. Akad. Nauk SSSR Neorg. Mater. (vol.7, no.8 Aug. 1971—)
Coden: IVNMAW ISSN 0002-337X
Izvestiya Akademii Nauk SSSR Neorganicheskie Materialy Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Inorg. Mater. (USA)*]

Izv. Akad. Nauk SSSR Ser. Fiz. (1968—)
Coden: IANFAY ISSN 0367-6765
Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Bull. Acad. Sci. USSR, Phys. Ser. (USA)*]

Izv. Akad. Nauk UzSSR Ser. Tekh. Nauk (no.5 1971—)
Coden: IUZTA4 ISSN 0516-2629
Izvestiya Akademii Nauk UzSSR. Seriya Tekhnicheskikh Nauk Tashkent, USSR

Izv. Akad. Nauk. SSSR Met. (no.3 May-June 1974—)
Coden: IZNMAQ ISSN 0568-5303
Izvestiya Akademii Nauk SSSR, Metally Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Russ. Metall. (GB)*]

Izv. Fiz. Inst. ANEB (Bulgaria) (1968—)
Coden: IFABAQ
Izvestiya na Fizicheskiya Institut s ANEB Merged into: Bulg. J. Phys. (Bulgaria)

Izv. Gl. Astron. Obs. Pulkove (USSR) (no.184 1968—)
Coden: IGOPA9 ISSN 0367-7966
Izvestiya Glavnoi Astronomicheskoi Observatorii v Pulkove Leningradskoe Otdelenie Izdatel'stva 'Nauka', B-164 Mendelevskaya Lin., d.1, Leningrad, USSR

Izv. Inst. Elektron. (Bulgaria) (vol.4 1969—)
Coden: IIEBBY
Izvestiya na Instituta po Elektronika Merged into: Bulg. J. Phys. (Bulgaria)

Izv. Khim. Bulg. Akad. Nauk. (Bulgaria) (vol.8, no.1 1975—)
Coden: IZKHDX ISSN 0324-1130
Izvestiya po Khimiya Bulgarska Akademiya na Naukite Formerly: Izv. Otd. Khim. Nauki Bulg. Akad. Nauk. (Bulgaria)
Bulgarian Academy of Sciences, 1 7th November Street, Sofia C, Bulgaria

Izv. Krym. Astrofiz. Obs. (USSR) (vol.39 1969—)
Coden: IKAOAW ISSN 0367-8466
Izvestiya Krymskoi Astrofisicheskoi Observatorii Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Bull. Crimean Astrophys. Obs. (USA)*]

Izv. Otd. Khim. Nauki Bulg. Akad. Nauk. (Bulgaria) (vol.4, no.1 1971—)
Coden: IOKNA5
Izvestiya na Otdelenieto za Khimicheski Nauki. Bulgarska Akademiya na Naukite Formerly: Bulg. Acad. Sci. Commun. Dep. Chem. (Bulgaria) Title changed to: Izv. Khim. Bulg. Akad. Nauk. (Bulgaria)

Izv. Vmei 'Lenin' (Bulgaria) (vol.24, no.1 1969—)
Coden: IVMEA3 ISSN 0374-342X
Izvestiya na Vmei 'Lenin' Formerly: Annu. Inst. Mec. Appl. & Electrotech. (Bulgaria)
D'rshavno Izdatelstvo 'Tekhnika', Sofiya, Bulgaria

Izv. VUZ Aviats. Tekh. (USSR) (vol.16, no.1 1973—)
Coden: IVUAAV ISSN 0579-2975
Izvestiya VUZ Aviatsionnaya Tekhnika G. Kaeanya, K. Marksa 10, Kasaskii Aviatsionnyu Institut, USSR [English translation in: *Sov. Aeronaut. (USA)*]

Izv. VUZ Elektromekh. (USSR) (1968—)
Coden: IVUEA9 ISSN 0136-3603
Izvestiya Vysshikh Uchebnykh Zavedenii, Elektromekhanika 346400 Novocherkassk, ul. Prosveshcheniga 132, Moskva, USSR

Izv. VUZ Energ. (USSR) (1968—)
Coden: IVZEAY ISSN 0579-2983
Izvestiya Vysshikh Uchebnykh Zavedenii, Energetika Belorusski Politekhnicheskii Institut, Minsk, Leninskii Prosp. 65, USSR

†**Izv. VUZ Fiz. (USSR)** (1968—)
Coden: IVUFAC ISSN 0021-3411
Izvestiya Vysshikh Uchebnykh Zavedenii, Fizika Higher Education Institutes, Tomsk, USSR [English translation in: *Sov. Phys. J. (USA)*]

Izv. VUZ Gornyi Zh. (USSR) (1968—)
Coden: IVUOA5 ISSN 0536-1028
Izvestiya Vysshikh Uchebnykh Zavedenii, Gornyi Zhurnal Ministerstvo Vysshego i Srednego Spetsial'nogo Obrazovaniya, Moskva. Editorial address: Sverdlovsk, Universitetskaya Pl., 9, USSR

Izv. VUZ Mashinostr. (USSR) (1968—)
Coden: IVUSAH ISSN 0536-1044
Izvestiya Vysshikh Uchebnykh Zavedenii, Mashinostroenie Moskva 107005, 2nd Baumanskaya 5, USSR

Izv. VUZ Mat. (USSR) (no.1 Jan. 1973—)
Coden: IVUMBY ISSN 0021-3446
Izvestiya VUZ Matematika Izdatel'stvo Gosudarstvennogo Universiteta, 420008 G. Kazan, Ul. V I Lenina 18, USSR [English translation in: *Sov. Math. (USA)*]

Izv. VUZ Pishch. Tekhnol. (USSR) (no.1 1970—)
Coden: IVUPA8 ISSN 0579-3009
Izvestiya Vysshikh Uchenbykh Zavedenii Pishchevaya Tekhnologiya Krasnodar Polytechnical Institute, 350 006 G. Krasnodar, Ul. Krasnaya 135, USSR

Izv. VUZ Priborostr. (USSR) (vol.16, no.1 1973—)
Coden: IVUBAY ISSN 0021-3454
Izvestiya VUZ Priborostroenie Editorial address: 190 000 Leningrad, Per. Grivtsova 14, USSR

†**Izv. VUZ Radioelektron. (USSR)** (1968—)
Coden: IVUZB5 ISSN 0021-3470
Izvestiya Vysshikh Uchebnykh Zavedenii, Radioelektronika Kievskii Ordena Lenina Politekhnicheskii Institut, 252056 Kiev 56, Brest-Litovskii Prospekt 39, USSR [English translation in: *Radioelectron. & Commun. Syst. (USA)*]

Izv. VUZ Radiofiz. (USSR) (1968—)
Coden: IVYRAY ISSN 0021-3462
Izvestiya Vysshikh Uchebnykh Zavedenii, Radiofizika Gor'kovskiy Universitet G. Gor'kiy, ul. Lyadova 25, USSR [English translation in: *Radiophys. & Quantum Electron. (USA)*]

Izv. VUZ Tekhnol. Legkoi Prom.-st. (USSR) (1968—)
Coden: IVTTAF ISSN 0021-3489
Izvestiya Vysshikh Uchebnykh Zavedenii, Tekhnologiya Legkoi Promyshlennosti Ministerstvo Vysshego i Srednogo Spetsial'nogo Obrazovaniya, Moskva. Editorial address: Kiev, Nemirivicha-Danchenko 2, USSR

J. & Proc. R. Soc. New South Wales (Australia) (1968—)
Coden: JPRSA5 ISSN 0035-9173
Journal and Proceedings of the Royal Society of New South Wales Science Centre, 35 Clarence Street, Sydney, NSW 2000, Australia

J. A (Belgium) (vol.15, no.1 Jan. 1974—)
Coden: JRNAAD ISSN 0771-1107
Journal A Formerly: Rev. A (Belgium)
Koninklijke Vlaamse Ingenieurs-Vereniging, Jan van Rijswijcklaan 58, B-2000 Antwerp, Belgium

†**J. Acoust. Soc. Am. (USA)** (1968—)
Coden: JASMAN ISSN 0001-4966
Journal of the Acoustical Society of America Published for the Acoustical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Acoust. Soc. India (vol.7, no.1 Jan. 1979—)
Coden: JSOIDI ISSN 0253-7257
Journal of the Acoustical Society of India Prof. B. Ramachandra Rao, Acoustical Society of India, University Grants Commission, Bahadur-Shah Zafar Marg, New Delhi-2, India

J. Acoust. Soc. Jpn. (E) (Japan) (vol.1, no.1 Jan. 1980—)
Coden: JASED2 ISSN 0388-2861
Journal of the Acoustical Society of Japan (E) Ikeda-Building, 2-7-7, Yoyogi, Shibuya-ku, Tokyo 151, Japan

J. Acoust. Soc. Jpn. (Japan) (vol.26, no.1 Jan. 1970—)
Coden: NIOGAH ISSN 0369-4232
Journal of the Acoustical Society of Japan Ikeda Building 2-7-7, Yoyogi, Shibuya-ku, Tokyo, Japan

J. Adhes. (GB) (vol.4, no.3 July 1972—)
Coden: JADNAJ ISSN 0021-8464
Journal of Adhesion Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Aeronaut. Soc. India (vol.35, no.1 Feb. 1983—)
Journal of the Aeronautical Society of India Department of Aeronautics, Indian Institute of Science, Bangalore 560 012, India

J. Aerosol Sci. (GB) (vol.1, no.2 May 1970—)
Coden: JALSB7 ISSN 0021-8502
Journal of Aerosol Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. Afr. Earth Sci. (GB) (vol.1, no.2 1983—)
Coden: JAESD8 ISSN 0731-7247
Journal of African Earth Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Air Pollut. Control Assoc. (USA) (vol.31, no.11 Nov. 1981—)
Coden: JPCAAC ISSN 0002-2470
Journal of the Air Pollution Control Association 4400 Fifth Avenue, Pittsburgh, PA 15213, USA

J. Aircr. (USA) (vol.5, no.5 Sept.-Oct. 1968—)
Coden: JAIRAM ISSN 0021-8669
Journal of Aircraft American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10104, USA

† indicates a journal abstracted completely

J. Algorithms (USA) (vol.2, no.1 March 1981—)
Coden: JOALDV ISSN 0196-6774
Journal of Algorithms Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Alliance Inf. Referral Syst.
See: Inf. & Referral: J. Alliance Inf. Referral Syst. (USA)

J. Am. Assoc. Variable Star Obs. (USA) (vol.9, no.2 1980—)
Coden: JAAODA
Journal of the American Association of Variable Star Observers 187 Concord Avenue, Cambridge, MA 02138, USA

†J. Am. Ceram. Soc. (USA) (1968—)
Coden: JACTAW ISSN 0002-7820
Journal of the American Ceramic Society 65 Ceramic Drive, Columbus, OH 43214, USA

J. Am. Chem. Soc. (USA) (1968—)
Coden: JACSAT ISSN 0002-7863
Journal of the American Chemical Society 1155 Sixteenth Street N.W., Washington, DC 20036, USA

J. Am. Helicopter Soc. (USA) (vol.29, no.2 April 1984—)
Coden: JHESAK ISSN 0002-8711
Journal of the American Helicopter Society 217 N. Washington Street, Alexandria, VA 22314, USA

J. Am. Insur. (USA) (vol.58, no.4 Winter 1982-1983—)
Coden: JAINDD ISSN 0021-874X
Journal of American Insurance Alliance of American Insurers, 20 North Wacker Drive, Chicago, IL 60606, USA

†J. Am. Soc. Inf. Sci. (USA) (vol.21, no.1 Jan.-Feb. 1970—)
Coden: AISJB6 ISSN 0002-8231
Journal of the American Society for Information Sciences Formerly: Am. Doc. (USA)
American Society for Information Science, 1155 16th Street, N.W., Suite 210, Washington, DC 20036, USA. John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158

†J. Appl. Crystallogr. (Denmark) (1968—)
Coden: JACGAR ISSN 0021-8898
Journal of Applied Crystallography Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK 1370 Kobenhavn K, Denmark

J. Appl. Electrochem. (GB) (vol.1, no.3 Aug. 1971—)
Coden: JAELBJ ISSN 0021-891X
Journal of Applied Electrochemistry Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

J. Appl. Mech.
See: Trans. ASME. J. Appl. Mech. (USA)

J. Appl. Mech. & Tech. Phys. (USA) (1968—)
Coden: JMPYAQ ISSN 0021-8944
Journal of Applied Mechanics and Technical Physics [Translation of: *Zh. Prikl. Mekh. & Tekh. Fiz. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

J. Appl. Meteorol. (USA) (vol.11, no.1 Feb. 1972—)
Coden: JAMOAX ISSN 0021-8952
Journal of Applied Meteorology Title changed to: J. Clim. & Appl. Meteorol. (USA)

J. Appl. Photogr. Eng. (USA) (vol.2, no.3 Summer 1976—)
Coden: JAPEDL ISSN 0098-7298
Journal of Applied Photographic Engineering Society of Photographic Scientists and Engineers, Suite 204, 1330 Massachusetts Avenue, N.W., Washington, DC 20005, USA

†J. Appl. Phys. (USA) (1968—)
Coden: JAPIAU ISSN 0021-8979
Journal of Applied Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Appl. Physiol. (USA) (1968—)
Coden: JAPYAA ISSN 0161-7567
Journal of Applied Physiology American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20014, USA

J. Appl. Pneum. (GB) (vol.10, no.77 Aug. 1982—)
Coden: JAPPBI ISSN 0003-6978
Journal of Applied Pneumatics Martonair Ltd., 128 St. Margarets Road, Twickenham TW1 1RJ, England

J. Appl. Probab. (GB) (vol.6, no.2 Aug. 1969—)
Coden: JPRBAM ISSN 0021-9002
Journal of Applied Probability University of Sheffield, Department of Probability and Statistics, Sheffield, S3 7RH, England

J. Appl. Spectrosc. (USA) (vol.12, no.1 Jan. 1970—)
Coden: JASYAP ISSN 0021-9037
Journal of Applied Spectroscopy [Translation of: *Zh. Prikl. Spektrosk. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

J. Appl. Syst. Anal. (GB) (vol.5, no.1 Nov. 1976—)
Coden: JASADO ISSN 0308-9541
Journal of Applied Systems Analysis Formerly: J. Syst. Eng. (GB)
University of Lancaster, Department of Systems, Bailrigg, Lancaster LA1 4YR, England

J. Approximation Theory (USA) (vol.3, no.3 Sept. 1970—)
Coden: JAXTAZ ISSN 0021-9045
Journal of Approximation Theory Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Archit. & Plann. Res. (USA) (vol.1, no.1 June 1984—)
Coden: JAPRER ISSN 0738-0895
Journal of Architectural and Planning Research Elsevier Science Publishing Co. Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

J. Asia Electron. Union
See: AEU (Japan)

J. Assoc. Adv. Med. Instrum. (USA) (vol.6, no.1 Jan.-Feb. 1972—)
Coden: AMIJAH
Journal of the Association for the Advancement of Medical Science Title changed to: Med. Instrum. (USA)

†J. Assoc. Comput. Mach. (USA) (vol.15, no.1 Jan. 1968—)
Coden: JACOAH ISSN 0004-5411
Journal of the Association for Computing Machinery Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

J. Assoc. Lunar & Planet. Obs. Strolling Astron. (USA) (vol.29, no.7-8 Aug. 1982—)
Coden: STASAD ISSN 0039-2502
Journal of the Association of Lunar and Planetary Observers, Strolling Astronomer Box 3AZ, University Park, NM 88003, USA

J. Astronaut. Sci. (USA) (vol.16, no.2 March-April 1969—)
Coden: JALSA6 ISSN 0021-9142
Journal of the Astronautical Sciences American Astronautical Society, 6060 Duke Street, Alexandria, VA 22304, USA

†J. Astrophys. & Astron. (India) (vol.1, no.1 Sept. 1980—)
Coden: JASRD7 ISSN 0250-6335
Journal of Astrophysics and Astronomy Indian Academy of Sciences, P.O.Box 8005, Bangalore 560080, India

J. At. Energy Soc. Jpn. (Japan) (1968—)
Coden: NGEGAL ISSN 0004-7120
Journal of the Atomic Energy Society of Japan 1-5-4 Ohte-machi, Chiyoda-ku, Tokyo 100, Japan

†J. Atmos. & Terr. Phys. (GB) (1968—)
Coden: JATPA3 ISSN 0021-9169
Journal of Atmospheric and Terrestrial Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. Atmos. Sci. (USA) (1968—)
Coden: JAHSAK ISSN 0022-4928
Journal of the Atmospheric Sciences American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

J. Audio Eng. Soc. (USA) (1968—)
Coden: ADIOA3 ISSN 0004-7554
Journal of the Audio Engineering Society Lincoln Building, Room 929 60 East 42nd Street, New York, NY 10017, USA

J. Aust. Ceram. Soc. (Australia) (vol.7, no.2 Nov. 1971—)
Coden: JAUCA3 ISSN 0004-881X
Journal of the Australian Ceramic Society c/o Department of Ceramic Engineering, University of New South Wales, P.O. Box 1, Kensington, N.S.W. 2033, Australia

J. Aust. Inst. Met. (Australia) (vol.14, no.4 Nov. 1969—)
Coden: JAMTAE
Journal of the Australian Institute of Metals Title changed to: J. Australas. Inst. Met. (Australia)

J. Aust. Math. Soc. Ser. B (Australia) (vol.19, pt.1 June 1975—)
Coden: JAMMDU ISSN 0334-2700
Journal of the Australian Mathematical Society Series B (Applied Mathematics) Department of Mathematics, University of Queensland, St. Lucia, QLD 4067, Australia

J. Australas. Inst. Met. (Australia) (vol.22, no.2 June 1977—)
Coden: JAIMDA
Journal of the Australasian Institute of Metals Formerly: J. Aust. Inst. Met. (Australia) Title changed to: Met. Forum (Australia)

J. Autom. Chem. (GB) (vol.1, no.5 Oct. 1979—)
Coden: JAUCD6 ISSN 0142-0453
Journal of Automatic Chemistry United Trade Press Ltd., UTP House, 33-35 Bowling Green Lane, London EC1R 0DA, England

J. Bangladesh Acad. Sci. (vol.6, no.1-2 1982—)
Coden: JBACDF ISSN 0378-8121
Journal of Bangladesh Academy of Sciences Dacca, Bangladesh

J. Belge Radiol. (vol.56, no.1 Jan.-Feb. 1973—)
Coden: JBRAAN ISSN 0021-7646
Journal Belge de Radiologie Societe Royale Belge de Radiologie, Avenue des Eglantines 10, 1150 Brussels, Belgium

J. Biochem. & Biophys. Methods (Netherlands) (vol.1, no.2 May 1979—)
Coden: JBBMDG ISSN 0165-022X
Journal of Biochemical and Biophysical Methods Elsevier/North-Holland Biomedical Press, P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Bioelectr. (USA) (vol.1, no.1 1982—)
Coden: JOUBDX ISSN 0730-823X
Journal of Bioelectricity Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

J. Bioenerg. & Biomembranes (USA) (vol.8, no.5 Oct. 1976—)
Coden: JBBID4 ISSN 0145-479X
Journal of Bioenergetics and Biomembranes Formerly: J. Bioenerg. (USA)
Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

J. Bioenerg. (USA) (vol.4, no.1-2 Jan. 1973—)
Coden: JBEGAA
Journal of Bioenergetics Title changed to: J. Bioenerg. & Biomembranes (USA)

J. Bioeng. (GB) (vol.2, no.1-2 April 1978—)
Coden: JBNGDO ISSN 0145-3068
Journal of Bioengineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Biol. Phys. (USA) (vol.10, no.2 1982—)
Coden: JBPHBZ ISSN 0092-0606
Journal of Biological Physics Forum Press Inc., P.O.Box 876, Stillwater, OK 74076, USA

J. Biomech. (GB) (vol.3, no.3 May 1970—)
Coden: JBMCB5 ISSN 0021-9290
Journal of Biomechanics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Biomech. Eng.
See: Trans. ASME. J. Biomech. Eng. (USA)

J. Biomed. Eng. (GB) (vol.2, no.1 Jan. 1980—)
Coden: JBIEDR ISSN 0141-5425
Journal of Biomedical Engineering Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

J. Biophys. & Med. Nucl. (France) (vol.4, no.1 1980—)
Coden: JBNDDF ISSN 0399-0435
Journal de Biophysique & Medecine Nucleaire Societe Francaise de Biophysique et Medecine Nucleaire, c/o A.F.A.S., 250 rue Saint-Jacques, 75005 Paris, France

J. Birla Inst. Technol. & Sci. (India) (vol.1, no.1 July 1967—)
Coden: BITJAL ISSN 0366-0702
Journal of the Birla Institute of Technology and Science Birla Institute of Technology and Sciences, Pilani, Rajasthan, India

J. Br. Astron. Assoc. (GB) (1968—)
Coden: JBAAA6 ISSN 0007-0297
Journal of the British Astronomical Association Burlington House, Piccadilly, London, W1V ONL, England

J. Br. Interplanet. Soc. (GB) (vol.21, no.4 Dec. 1968—)
Coden: JBISAW ISSN 0007-084X
Journal of the British Interplanetary Society British Interplanetary Society, 27-29 South Lambeth Road, London SW8 1SZ, England

J. Br. Nucl. Energy Soc. (GB) (1968—)
Coden: JBNSAN
Journal of the British Nuclear Energy Society Title changed to: Nucl. Energy (GB)

J. Capacity Manage. (USA) (vol.2, no.1 1983—)
Coden: JOCMEB ISSN 0733-0952
Journal of Capacity Management Institute of Software Engineering, 510 Oakmead Parkway, Sunnyvale, CA 94086, USA

J. Ceram. Soc. Jpn.
See: Yogyo-Kyokai-Shi (Japan)

J. Chart. Inst. Build. Serv. (GB) (vol.1, no.1 Sept. 1978—)
Coden: JIBSDF ISSN 0142-3630
Journal of the Chartered Institution of Building Services Building Services Publications Ltd., Builder House, 1-3 Pemberton Row, Red Lion Court, Fleet Street, London EC4P 4HL, England. Formed by merger of Light & Light. & Environ. Des. (GB) and Build. Serv. Eng. (GB)

J. Chem. Doc. (USA) (vol.9, no.4 Nov. 1969—)
Coden: JCHDAN
Journal of Chemical Documentation Title changed to: J. Chem. Inf. & Comput. Sci. (USA)

J. Chem. Educ. (USA) (1968—)
Coden: JCEDA8 ISSN 0021-9584
Journal of Chemical Education American Chemical Society, 119 West 24th Street, New York, NY 10011, USA

J. Chem. Inf. & Comput. Sci. (USA) (vol.15, no.1 Feb. 1975—)
Coden: JCISD8 ISSN 0095-2338
Journal of Chemical Information and Computer Sciences Formerly: J. Chem. Doc. (USA)
American Chemical Society, 1115 Sixteenth Street, N.W., Washington, DC 20036, USA

†**J. Chem. Phys. (USA)** (1968—)
Coden: JCPSA6 ISSN 0021-9606
Journal of Chemical Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Chem. Soc. Faraday Trans. I (GB) (no.1 1973—)
Coden: JCFTAR ISSN 0300-9599
Journal of the Chemical Society Faraday Transactions I Burlington House, London, W1V OBN, England

J. Chem. Soc. Faraday Trans. II (GB) (no.1 1973—)
Coden: JCFTBS ISSN 0300-9238
Journal of the Chemical Society Faraday Transactions II Burlington House, London, W1V OBN, England

J. Chem. Technol. & Biotechnol. A (GB) (vol.33A, no.5 July 1983—)
Coden: JCTTDW ISSN 0264-3413
Journal of Chemical Technology and Biotechnology A (Chemical Technology) Society of Chemical Industry, 14 Belgrave Square, London SW1X 8PS, England. Supersedes in part: J. Chem. Technol. & Biotechnol. (GB)

J. Chem. Technol. & Biotechnol. B (GB) (vol.33B, no.6 Aug. 1983—)
Coden: JTBBD7 ISSN 0264-3421
Journal of Chemical Technology and Biotechnology B (Biotechnology) Society of Chemical Industry, 14 Belgrave Square, London SW1X 8PS, England. Supersedes in part: J. Chem. Technol. & Biotechnol. (GB)

J. Chem. Thermodyn. (GB) (vol.3, no.6 Nov. 1971—)
Coden: JCTDAF ISSN 0021-9614
Journal of Chemical Thermodynamics Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

J. Chim. Phys. & Phys.-Chim. Biol. (France) (1968—)
Coden: JCPBAN ISSN 0021-7689
Journal de Chimie Physique et de Physico-Chimie Biologique Societe de Chimie Physique, 4 place Jussieu-Tou 54-55, 75230 Paris Cedex 05, France

J. Chin. Inst. Eng. (Taiwan) (vol.1, no.1 Jan. 1978—)
Coden: CKCKDZ ISSN 0253-3839
Journal of the Chinese Institute of Engineers 4th Floor, 2nd Section, Jen-Ai Road, Taipei, Taiwan

J. China Inst. Commun. (China) (no.2 1984—)
Coden: TOXUDB
Jounal of China Institute of Communication (Tongxian Xuebao) Publishing House of the People's Posts and Telecommunications, Beijing, People's Republic of China. Distribution address: China International Book Trading Corp., Guoji Shudian, P.O.Box 2820, Beijing

J. Clim. & Appl. Meteorol. (USA) (vol.22, no.1 Jan. 1983—)
Coden: JCAMEJ ISSN 0733-3021
Journal of Climate and Applied Meteorology Formerly: J. Appl. Meteorol. (USA)
American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

J. Climatol. (GB) (vol.2, no.1 Jan.-March 1982—)
Coden: JOUCD2 ISSN 0196-1748
Journal of Climatology John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

J. Clin. Comput. (USA) (vol.6, no.3 1977—)
Coden: JCLCB7 ISSN 0090-1091
Journal of Clinical Computing 166 Morris Avenue, Buffalo, NY 14214, USA

J. Clin. Eng. (USA) (vol.4, no.1 Jan.-March 1979—)
Coden: JCEND7 ISSN 0363-8855
Journal of Clinical Engineering Quest Publishing Co., 1351 Titan Way, Brea, CA 92621, USA

J. Clin. Lab. Autom. (USA) (vol.1, no.1 July-Aug. 1981—)
Coden: JOAUDO ISSN 0276-8860
Journal of Clinical Laboratory Automation Appleton-Century Crofts, 292 Madison Avenue, New York, NY 10017, USA

J. Clin. Ultrasound (USA) (vol.9, no.7 Sept. 1981—)
Coden: JCULDD ISSN 0091-2751
Journal of Clinical Ultrasound John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA

J. Colloid & Interface Sci. (USA) (1968—)
Coden: JCISA5 ISSN 0021-9797
Journal of Colloid and Interface Science Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comb. Theory Ser. A (USA) (vol.6, no.1 Jan. 1969—)
Coden: JCBTA7 ISSN 0097-3165
Journal of Combinatorial Theory, Series A Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comb. Theory Ser. B (USA) (vol.10, no.2 April 1971—)
Coden: JCBTB8 ISSN 0095-8956
Journal of Combinatorial Theory, Series B Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Compos. Mater. (USA) (vol.4 July 1970—)
Coden: JCOMBI ISSN 0021-9983
Journal of Composite Materials Technomic Publishing Co. Inc., 265 Post Road West, Westport, CT 06880, USA

J. Comput. & Appl. Math. (Netherlands) (vol.9, no.1 March 1983—)
Coden: JCAMDI ISSN 0377-0427
Journal of Computational and Applied Mathematics North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†**J. Comput. & Syst. Sci. (USA)** (vol.2, no.3 Oct. 1968—)
Coden: JCSSBM ISSN 0022-0000
Journal of Computer and System Sciences Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comput. Assisted Tomogr. (USA) (vol.4, no.6 Dec. 1980—)
Coden: JCATD5 ISSN 0363-8715
Journal of Computer Assisted Tomography Raven Press, 1140 Avenue of the Americas, New York, NY 10036, USA

J. Comput. Chem. (USA) (vol.1, no.1 Spring 1980—)
Coden: JCCHDD ISSN 0192-8651
Journal of Computational Chemistry John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA

J. Comput. Math. & Sci. Teach. (USA) (vol.2, no.1 Fall 1982—)
Coden: JCMTDV ISSN 0731-9258
Journal of Computers in Mathematics and Science Teaching Association for Computers in Mathematics and Science Teaching, P.O.Box 4455, Austin, TX 78765, USA

J. Comput. Phys. (USA) (1968—)
Coden: JCTPAH ISSN 0021-9991
Journal of Computational Physics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comput. Soc. India (vol.4, no.2 June 1974—)
Coden: JCSIDS ISSN 0379-5152
Journal of the Computer Society of India Title changed to: Comput. Sci. & Inf. (India)

†**J. Comput.-Based Instr. (USA)** (vol.3, no.3 Feb. 1977—)
Coden: JCOID8 ISSN 0098-597X
Journal of Computer-Based Instruction Association for the Development of Computer-Based Instructional Systems, Computer Center, Western Washington University, Bellingham, WA 98225, USA

J. Coord. Chem. (GB) (vol.1, no.4 May 1972—)
Coden: JCCMBQ ISSN 0095-8972
Journal of Coordination Chemistry Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Cryst. & Mol. Struct. (USA) (vol.3, no.1 1973—)
Coden: JCMLB5 ISSN 0308-4086
Journal of Crystal and Molecular Structure Title changed to: J. Crystallogr. & Spectrosc. Res. (USA)

†**J. Cryst. Growth (Netherlands)** (1968—)
Coden: JCRGAE ISSN 0022-0248
Journal of Crystal Growth North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Crystallogr. & Spectrosc. Res. (USA) (vol.12, no.1 Feb. 1982—)
Coden: JCREDB ISSN 0277-8068
Journal of Crystallographic and Spectroscopic Research Formerly: J. Cryst. & Mol. Struct. (USA)
Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

J. Crystallogr. Soc. Jpn. (Japan) (vol.25, no.6 Nov. 1983—)
Coden: NKEGAF ISSN 0369-4585
Journal of the Crystallographic Society of Japan Bunkyo-ku, Yayoi 2-4-16, Tokyo, Japan

J. Cybern. (USA) (vol.1, no.1 Jan.-March 1971—)
Coden: JCYBAY ISSN 0022-0280
Journal of Cybernetics Title changed to: Cybern. & Syst. (USA)

J. Dalian Eng. Inst. (Dalian Gongxueyuan Xuebao) (China) (no.1 1978—)
Coden: TKHPDO
Journal of Dalian Engineering Institute (Dalian Gongxueyuan Xuebao) Title changed to: J. Dalian Inst. Technol. (Dalian Gongxueyuan Xuebao) (China)

J. Dalian Inst. Technol. (Dalian Gongxueyuan Xuebao) (China) (no.1 March 1979—)
Coden: TKHPDO ISSN 0253-0031
Journal of Dalian Institute of Technology (Dalian Gongxueyuan Xuebao) Formerly: J. Dalian Eng. Inst. (Dalian Gongxueyuan Xuebao) (China)
Dalian, People's Republic of China

†**J. Data Educ. (USA)** (vol.24, no.2 Winter 1983-1984—)
Coden: JDEDDI ISSN 0022-0310
Journal of Data Education Society of Data Educators, c/o James Madison University, School of Business Administration, Harrisonburg, VA 22807, USA

J. Data Manage. (USA) (vol.16, no.10 Oct. 1968—)
Coden: JDMAAC
Journal of Data Management Title changed to: Data Manage. (USA)

J. Des. Autom. & Fault-Tolerant Comput. (USA) (vol.1, no.1 Oct. 1976—)
Coden: JDACDT ISSN 0099-1708
Journal of Design Automation & Fault-Tolerant Computing Title changed to: J. Digital Syst. (USA)

J. Differ. Equations (USA) (1968—)
Coden: JDEQAK ISSN 0022-0396
Journal of Differential Equations Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Digital Syst. (USA) (vol.4, no.1 Spring 1980—)
Coden: JDSYDF ISSN 0195-4350
Journal of Digital Systems Formerly: J. Des. Autom. & Fault-Tolerant Comput. (USA) Title changed to: J. VLSI & Comput. Syst. (USA)

J. Doc. (GB) (vol.26, no.2 June 1970—)
Coden: JDOCAS ISSN 0022-0418
Journal of Documentation Aslib, Information House, 26-27 Boswell Street, London WC1N 3JZ, England

J. Dyn. Syst. Meas. & Control
See: Trans. ASME. J. Dyn. Syst. Meas. & Control (USA)

J. Econ. Dyn. & Control (Netherlands) (vol.2, no.1 Feb. 1980—)
Coden: JEDCDH ISSN 0165-1889
Journal of Economic Dynamics and Control North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

J. Educ. Librarianship (USA) (vol.13, no.2 Fall 1972—)
Coden: JLELAR ISSN 0022-0604
Journal of Education for Librarianship Association of American Library Schools, 471 Park Lane, State College, PA 16801, USA

† indicates a journal abstracted completely

J. Educ. Technol. Syst. (USA) (vol.2, no.3 Winter 1974—)
Coden: JETSB7 ISSN 0047-2395
Journal of Educational Technology Systems Baywood Publishing Co. Inc., 120 Marine Street, Farmingdale, NY 11735, USA

J. Elasticity (Netherlands) (vol.1, no.1 Sept. 1971—)
Coden: JELSAY ISSN 0374-3535
Journal of Elasticity Sijthoff & Noordhoff International Publishers, P.O.Box 4, 2400 MA Alphen aan den Rijn, Netherlands

†**J. Electr. & Electron. Eng. Aust. (Australia)** (vol.1, no.1 March 1981—)
Coden: JEEADG ISSN 0725-2986
Journal of Electrical and Electronics Engineering, Australia Institution of Engineers, Australia, 11 National Circuit, Barton, A.C.T. 2600, Australia. Institution of Radio and Electronics Engineers, Australia, 35-43 Clarence Street, Sydney, N.S.W. 2000. Formed by merger of Proc. IREE Aust. (Australia) and Trans. Inst. Eng. Aust. Electr. Eng. (Australia)

J. Electr. Eng. (China) (no.2 1983—)
Coden: DGXUEI
Journal of Electrical Engineering Editorial address: Chinese Society of Electrical Engineering, Qinghe, Beijing, People's Republic of China

J. Electrochem. Soc. (USA) (1968—)
Coden: JESOAN ISSN 0013-4651
Journal of the Electrochemical Society 215 Canal Street, Manchester, NH 03108, USA

J. Electrochem. Soc. India (vol.20, no.4 Oct. 1971—)
Coden: JESIA5 ISSN 0013-466X
Journal of the Electrochemical Society of India c/o Indian Institute of Science, Department of Metallurgy, Bangalore 560012, India

J. Electrochem. Soc. Jpn.
See: Denki Kagaku (Japan)

J. Electron Microsc. (Japan) (vol.17, no.3 1968—)
Coden: JELJA7 ISSN 0022-0744
Journal of Electron Microscopy Japanese Society of Electron Microscopy, c/o Japan Academic Society Centre, 4-16 Yayoi 2 Chome, Bunkyo-ku, Tokyo 113, Japan

†**J. Electron Spectrosc. & Relat. Phenom. (Netherlands)** (vol.1, no.1 Oct. 1972—)
Coden: JESRAW ISSN 0368-2048
Journal of Electron Spectroscopy and Related Phenomena Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

J. Electron. Eng.
See: JEE (Japan)

J. Electron. Ind.
See: JEI-J. Electron. Ind. (Japan)

†**J. Electron. Mater. (USA)** (vol.2, no.1 Feb. 1973—)
Coden: JECMA5 ISSN 0361-5235
Journal of Electronic Materials Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

J. Electrophysiol. Tech. (GB) (vol.10, no.2 1983—)
Coden: JETEDZ ISSN 0361-0209
Journal of Electrophysiological Techniques Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Electrostat. (Netherlands) (vol.1, no.1 Feb. 1975—)
Coden: JOELDH ISSN 0304-3886
Journal of Electrostatics Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

J. Energy (USA) (vol.3, no.6 Nov.-Dec. 1979—)
Coden: JENED5 ISSN 0146-0412
Journal of Energy American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10104, USA

J. Energy Resour. Technol.
See: Trans. ASME. J. Energy Resour. Technol. (USA)

J. Eng. Appl. Sci. (GB) (vol.2, no.2 1983—)
Coden: JOASDI ISSN 0191-9539
Journal of Engineering Applied Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Eng. Gas Turbines & Power
See: Trans. ASME. J. Eng. Gas Turbines & Power (USA)

J. Eng. Ind.
See: Trans. ASME. J. Eng. Ind. (USA)

J. Eng. Mater. & Technol.
See: Trans. ASME. J. Eng. Mater. & Technol. (USA)

J. Eng. Math. (Netherlands) (vol.2, no.4 Oct. 1968—)
Coden: JLEMAU ISSN 0022-0833
Journal of Engineering Mathematics Sijthoff & Noordhoff, International Publishers, Journal Department, P.O. Box 4, Alphen Aan den Rijn, Netherlands

J. Eng. Phys. (Teh. Fiz.)
See: Teh. Fiz. (Yugoslavia)

J. Eng. Phys. (USA) (1968—)
Coden: JEPHAL ISSN 0022-0841
Journal of Engineering Physics [Translation of: *Inzh.-Fiz. Zh. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

J. Eng. Power.
See: Trans. ASME. J. Eng. Power (USA)

J. Eng. Sci. (Saudi Arabia) (vol.3, no.1 May 1977—)
Coden: JESCDO ISSN 0377-9254
Journal of Engineering Sciences Title changed to: J. Eng. Sci. King Saud Univ. (Saudi Arabia)

J. Eng. Sci. King Saud Univ. (Saudi Arabia) (vol.8, no.2 1982—)
Coden: JESCDO ISSN 0377-9254
Journal of Engineering Sciences King Saud University Formerly: J. Eng. Sci. (Saudi Arabia)
University Libraries, King Saud University, P.O.Box 22480, Riyadh, Saudi Arabia

J. Environ. Sci. (USA) (vol.24, no.2 March-April 1971—)
Coden: JEVSAG ISSN 0022-0906
Journal of Environmental Sciences Institute of Environmental Sciences, 940 East Northwest Highway, Mt. Prospect, IL 60056, USA

J. Equip. Electr. & Electron. (France) (no.388 15 Sept. 1976—)
Coden: JEEEAP ISSN 0758-3826
Journal de L'Equipment Electrique et Electronique Edition Tests, 71 boulevard Richard Lenoir, 75011 Paris, France

J. Fac. Eng. Chiba Univ. (Japan) (vol.23, no.44 March 1972—)
Coden: CDKKAN ISSN 0577-6848
Journal of the Faculty of Engineering Chiba University Chiba, Japan

J. Fac. Eng. Ibaraki Univ. (Japan) (no.19 1971—)
Coden: IDKSAB ISSN 0367-7389
Journal of the Faculty of Engineering, Ibaraki University Ibaraki, Japan

J. Fac. Eng. Shinshu Univ. (Japan) (no.31 Dec. 1971—)
Coden: SDKKBU ISSN 0037-3818
Journal of the Faculty of Engineering, Shinshu University Nagano, Japan

J. Fac. Eng. Univ. Tokyo Ser. A (Japan) (1968—)
Coden: JETAAK ISSN 0563-7945
Journal of the Faculty of Engineering, University of Tokyo, Series A 3-1, 7-Chome, Hongo, Bunkyo-ku, Tokyo 113, Japan

J. Fac. Eng. Univ. Tokyo Ser. B (Japan) (1968—)
Coden: JETBAN ISSN 0563-7937
Journal of the Faculty of Engineering, University of Tokyo, Series B 3-1, 7-Chome, Hongo, Bunkyo-ku, Tokyo 113, Japan

J. Fac. Sci. Univ. Tokyo Sect. 1A (Japan) (1968—)
Coden: JFTMAT ISSN 0040-8980
Journal of the Faculty of Science, University of Tokyo, Section 1A (Mathematics) Dean of the Faculty of Science, University of Tokyo, Tokyo, Japan

J. Fiz. Malaysia (vol.5, no.2 June 1984—)
ISSN 0126-9674
Jurnal Fizik Malaysia Malaysian Institute of Physics, c/o Jabatan Fizik, Universiti Malaya, Kuala Lumpur 22-11, Malaysia

J. Fluid Control (USA) (vol.15, no.1 March 1983—)
ISSN 0015-4687
Journal of Fluid Control Formerly: Fluid. Q. (USA)
P.O.Box 2989, Stanford, CA 94305, USA

†**J. Fluid Mech. (GB)** (1968—)
Coden: JFLSA7 ISSN 0022-1120
Journal of Fluid Mechanics Cambridge University Press, The Pitt Building, Trumpington Street, Cambridge CB2 1RP, England

J. Fluids Eng.
See: Trans. ASME. J. Fluids Eng. (USA)

J. Forth Appl. & Res. (USA) (vol.1, no.1 Sept. 1983—)
Coden: JFAREL ISSN 0738-2022
Journal of Forth Application and Research Institute of Applied Forth Research, P.O.Box 27686, Rochester, NY 14627, USA

J. Franklin Inst. (USA) (1968—)
Coden: JFINAB ISSN 0016-0032
Journal of the Franklin Institute Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

J. Funct. Anal. (USA) (vol.9, no.4 April 1972—)
Coden: JFUAAW ISSN 0022-1236
Journal of Functional Analysis Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Fusion Energy (USA) (vol.1, no.1 Jan. 1981—)
Coden: JFENDS ISSN 0164-0313
Journal of Fusion Energy Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Gen. Philos. Sci.
See: Z. Allg. Wissenschaftstheor. (Germany)

J. Geodyn. (Netherlands) (vol.1, no.1 Feb. 1984—)
Coden: JOGEE7 ISSN 0264-3707
Journal of Geodynamics Geophysical Press, Amsterdam. Editorial address: Brouwersgracht 236, 1013 HE Amsterdam, Netherlands

J. Geol. (USA) (vol.85, no.1 Jan. 1977—)
Coden: JGEOAZ ISSN 0022-1376
Journal of Geology University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA

J. Geomagn. & Geoelectr. (Japan) (1968—)
Coden: JGEGAB ISSN 0022-1392
Journal of Geomagnetism and Geoelectricity University of Tokyo Press, c/o Business Centre for Academic Societies, 4-16 Yayoi 2-chome, Bunkyo-ku, Tokyo 113, Japan

J. Geophys. (Germany) (vol.40, no.1 1974—)
Coden: JGEOD4 ISSN 0340-062X
Journal of Geophysics (Zeitschrift fur Geophysik) Formerly: Z. Geophys. (Germany)
Springer- Verlag, 6900 Heidelberg 1, Postfach 105280, Germany

†**J. Geophys. Res. (USA)** (1968—)
Coden: JGREA2 ISSN 0148-0227
Journal of Geophysical Research American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

J. Graph Theory (USA) (vol.2, no.2 Summer 1978—)
Coden: JGTHDO ISSN 0364-9024
Journal of Graph Theory John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA

J. Great Lakes Res. (USA) (vol.7, no.2 1981—)
Coden: JGLRDE ISSN 0380-1330
Journal of Great Lakes Research International Association for Great Lakes Research, M4866-4868, Institute of Science & Technology Bldg., University of Michigan, Ann Arbor, MI 48109, USA

J. Guid. & Control (USA) (vol.1, no.5 Sept.-Oct. 1978—)
Coden: JGCODS ISSN 0162-3192
Journal of Guidance and Control Title changed to: J. Guid. Control & Dyn. (USA)

J. Guid. Control & Dyn. (USA) (vol.5, no.3 May-June 1982—)
Coden: JGCDDT ISSN 0731-5090
Journal of Guidance, Control, and Dynamics Formerly: J. Guid. & Control (USA)
American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10104, USA

J. Harbin Inst. Technol. (China) (no.2 1984—)
Journal of the Harbin Institute of Technology Distribution address: China International Book Trading Corp., Guoji Shudian, P.O.Box 2820, Beijing, People's Republic of China

J. Heat Transfer
See: Trans. ASME. J. Heat Transfer (USA)

J. Hist. Astron. (GB) (vol.1, pt.1 Feb. 1970—)
Coden: JHSAA2 ISSN 0021-8286
Journal for the History of Astronomy Science History Publications Ltd., Halfpenny Furze, Mill Lane, Chalfont St. Giles, Bucks. HP8 4NR, England

J. Horol. Inst. Jpn. (Japan) (no.106 1983—)
Coden: NTGAA2 ISSN 0029-0416
Journal of the Horological Institute of Japan Nihon-Gakkai Jim-Center Building, 2-4-16 Yayoi, Bunkyo-ku, Tokyo 113, Japan

J. Huazhong Inst. Technol. (Engl. Ed.) (China) (vol.2, no.1 1980—)
Coden: JJHTDL
Journal of Huazhong Institute of Technology (English Edition) Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

† indicates a journal abstracted completely

J. Illum. Eng. Inst. Jpn. (Japan) (vol.56, no.12 Dec. 1972—)
Coden: SHGSAR ISSN 0019-2341
Journal of the Illuminating Engineering Institute of Japan 7-1, Yurakucho 1 chome, Chiyodaku, Tokyo 100, Japan

J. Illum. Eng. Soc. (USA) (vol.1, no.1 Oct. 1971—)
Coden: JIESBS ISSN 0099-4480
Journal of the Illuminating Engineering Society 345 East 47th Street, New York, NY 10017, USA. Supersedes in part: Illum. Eng. (USA)

J. Ind. Aerodyn. (Netherlands) (vol.2, no.1 Jan. 1977—)
Coden: JIAED2
Journal of Industrial Aerodynamics Title changed to: J. Wind Eng. & Ind. Aerodyn. (Netherlands)

J. Indian Inst. Sci. (1968—)
Coden: JIISAD ISSN 0019-4964
Journal of the Indian Institute of Science Bangalore 560012, India

J. Inf. & Image Manage. (USA) (vol.16, no.7 July 1983—)
Coden: JIIMDW ISSN 0022-2712
Journal of Information and Image Management Formerly: J. Microgr. (USA)
Association for Information and Image Management, 8719 Colesville Road, Silver Spring, MD 20910, USA

†J. Inf. & Optimiz. Sci. (India) (vol.1, no.1 Jan. 1980—)
Coden: JIOSDC ISSN 0252-2667
Journal of Information & Optimization Sciences Analytic Publishing Co., F-23 Model Town, Delhi-110009, India

J. Inf. Manage. (USA) (vol.5, no.1 Fall 1983—)
Coden: JINMDN ISSN 0198-9839
Journal of Information Management Life Office Management Association Inc., 100 Colony Square, Atlanta, GA 30361, USA

J. Inf. Process.
See: Neue Tech. Buero (Germany)

†J. Inf. Process. (Japan) (vol.1, no.1 1978—)
Coden: JIPRDE ISSN 0387-6101
Journal of Information Processing Information Processing Society of Japan, Kikai-Shinko Kaikan, 3-5-8 Shiba-koen, Kinato-ku, Tokyo 105, Japan

J. Inf. Process. Soc. Jpn. (Japan) (vol.14, no.1 1973—)
Coden: JOSHA4
Journal of the Information Processing Society of Japan (Joho Shori) Title changed to: Inf. Process. Soc. Jpn. (Joho Shori) (Japan)

J. Inf. Sci. Princ. & Pract. (Netherlands) (vol.1, no.1 April 1979—)
Coden: JISCDI ISSN 0165-5515
Journal of Information Science, Principles & Practice Formerly: Inf. Scientist (GB)
Published for the Institute of Information Scientists by the North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Inf. Syst. Manage. (USA) (vol.1, no.3 Summer 1984—)
ISSN 0739-9014
Journal of Information Systems Management Auerbach Publishers Inc., 6560 North Park Drive, Pennsauken, NJ 08109, USA

J. Ing. (Belgium) (vol.29, no.2 1980—)
Coden: JOINA6 ISSN 0021-8065
Journal des Ingenieurs Association pour l'Encouragement a l'Union des Revues Techniques Belges, Hotel de Societes Scientifiques, rue des Champs-Elysees 43, 1050 Bruxelles, Belgium

J. Inorg. & Nucl. Chem. (GB) (vol.30, no.8 Aug. 1968—)
Coden: JINCAO ISSN 0022-1902
Journal of Inorganic and Nuclear Chemistry Merged with Inorg. & Nucl. Chem. Lett. (GB) to form Polyhedron (GB)

J. Inst. Bankers (GB) (vol.104, pt.3 June 1983—)
Journal of the Institute of Bankers Merged with Bankers' Mag. (GB) to form Banking World (GB)

J. Inst. Electr. Eng.
See: Electron. & Power (GB)

J. Inst. Electron. & Commun. Eng. Jpn. (Japan) (vol.61, no.1 Jan. 1978—)
Coden: IECJAJ ISSN 0373-6121
Journal of the Institute of Electronics and Communication Engineers of Japan Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8, Shibakoen 3 Chome Minato-ku, Tokyo 105, Japan

J. Inst. Electron. & Telecommun. Eng. (India) (vol.19, no.7 July 1973—)
Coden: JIETAU ISSN 0377-2063
Journal of the Institution of Electronics and Telecommunication Engineers Formerly: J. Inst. Telecommun. Eng. (India)
Institution of Electronics & Telecommunication Engineers, 2 Institutional Area, Lodi Road, New Delhi 110003, India

J. Inst. Energy (GB) (vol.52, no.410 March 1979—)
Coden: JINEDX ISSN 0144-2600
Journal of the Institute of Energy 18 Devonshire Street, Portland Place, London W1N 2AU, England

†J. Inst. Eng. (India) Electr. Eng. Div. (1968—)
Coden: JEELAC ISSN 0020-3386
Journal of the Institution of Engineers (India) Electrical Engineering Division 8 Gokhale Road, Calcutta 700020, India

†J. Inst. Eng. (India) Electron. & Telecommun. Eng. Div. (1968—)
Coden: JEETA2 ISSN 0020-3378
Journal of the Institution of Engineers (India) Electronics and Telecommunication Engineering Division 8 Gokhale Road, Calcutta 700020, India

J. Inst. Eng. (India) Interdisciplinary & Gen. Eng. (vol.60, pt.IDGE 3 June 1980—)
Coden: JIEEDM ISSN 0251-1118
Journal of the Institution of Engineers (India) Interdisciplinary and General Engineering 8 Gokhale Road, Calcutta 700020, India

J. Inst. Eng. (India) Mech. Eng. Div. (vol.49, no.3, pt.ME2 Nov. 1968—)
Coden: JEMDAS ISSN 0020-3408
Journal of the Institution of Engineers (India) Mechanical Engineering Division 8 Gokhale Road, Calcutta 700020, India

J. Inst. Eng. (India) Min. & Metall. Div. (vol.61, pt.MM1 July 1980—)
Coden: JEMMAL ISSN 0020-3394
Journal of the Institution of Engineers (India) Mining and Metallurgy Division 8 Gokhale Road, Calcutta 700 020, India

J. Inst. Eng. Aust. (Australia) (1968—)
Coden: JISGAR ISSN 0020-3319
Journal of the Institution of Engineers, Australia Miadna Pty. Ltd., 11 National Circuit, Barton ACT 2600, Australia

J. Inst. Math. & Appl. (GB) (1968—)
Coden: JMTAA8 ISSN 0020-2932
Journal of the Institute of Mathematics and its Applications Title changed to: IMA J. Appl. Math. (GB)

J. Inst. Navig.
See: Navigation (USA)

J. Inst. Nucl. Eng. (GB) (vol.13, no.1 Jan.-Feb. 1972—)
Coden: JINEBV
Journal of the Institution of Nuclear Engineers Title changed to: Nucl. Eng. (GB)

J. Inst. Nucl. Mater. Manage. (USA) (vol.9, no.3 Fall 1980—)
Coden: NUMMB8 ISSN 0362-0034
Journal of the Institute of Nuclear Materials Management Formerly: Nucl. Mater. Manage. (USA)
INMMM Secretary, Goodyear Atomic Corp., P.O.Box 628, Piketon, OH 45661, USA

J. Inst. Telecommun. Eng. (India) (1968—)
Coden: JITEAQ
Journal of the Institution of Telecommunication Engineers Title changed to: J. Inst. Electron. & Telecommun. Eng. (India)

J. Inst. Telev. Eng. Jpn. (Japan) (1968—)
Coden: JITJA7 ISSN 0386-6831
Journal of the Institute of Television Engineers of Japan Kikai-Shinko Building, 3-5-8 Shiba Park, Minato-ku, Shiba PO, Tokyo, Japan

J. Jap. Assoc. Autom. Control Eng. (Japan) (1968—)
Coden: SEKOAE
Journal of the Japan Association of Automatic Control Engineers Title changed to: Syst. & Control (Japan)

†J. Jpn. Inst. Met. (Japan) (vol.35, no.8 Aug. 1971—)
Coden: NIKGAV ISSN 0021-4876
Journal of the Japan Institute of Metals Aza-Aoba Aramaki, Sendai 980, Japan

J. Jpn. Inst. Navig. (Japan) (vol.69 Sept. 1983—)
Coden: NKGRDR ISSN 0388-7405
Journal of Japan Institute of Navigation c/o Tokyo University of Mercantile Marine, 1-6 Etchujima 2, Koto-ku, Tokyo 135, Japan

J. Jpn. Soc. Aeronaut. & Space Sci. (Japan) (vol.32, no.363 1984—)
Coden: NKGAB8 ISSN 0021-4663
Journal of the Japan Society for Aeronautical and Space Sciences Kouku-Kaikan-bunkan, 1-18-2 Shinbashi, Minato-ku, Tokyo 105, Japan

J. Jpn. Soc. Precis. Eng. (Japan) (vol.37, no.8 Aug. 1971—)
Coden: JJPEAD ISSN 0374-3543
Journal of the Japan Society of Precision Engineering Ceramics Building, 22-12, Hyakunincho 2-chome, Shinjuku-Ku, Tokyo, Japan

J. Jpn. Soc. Simulation Technol. (Japan) (vol.2, no.3 1983—)
Coden: SHIMDM ISSN 0285-9947
Journal of the Japan Society for Simulation Technology 5-10-11 Sendagaya, Shibuya-ku, Tokyo 151, Japan

J. Korea Inf. Sci. Soc. (vol.8, no.1 March 1981—)
Coden: HJKHDC
Journal of the Korea Information Science Society Korea Advanced Institute of Science, P.O.Box 150, Chongyangni, Seoul, Korea

J. Korea Inst. Electron. Eng. (vol.8, no.2 July 1971—)
Coden: JKEEAX ISSN 0379-7848
Journal of Korea Institute of Electronics Engineers San 76-561 Yuksam-Dong, Kangnam-ku, Seoul 134-03, Korea

J. Korean Inst. Electr. Eng. (1968—)
Coden: JKIEAJ ISSN 0374-4876
Journal of the Korean Institute of Electrical Engineers Korean Institute of Electrical Engineers, 11-4 Soopyo-dong, Chung-ku, Seoul 100, Korea

J. Korean Inst. Met. (vol.9, no.1 June 1971—)
Coden: KUHCAL ISSN 0253-3847
Journal of the Korean Institute of Metals C.P.O. Box 5311, Seoul, Korea

J. Korean Nucl. Soc. (vol.8, no.4 Dec. 1976—)
Coden: WJHKAW ISSN 0372-7327
Journal of the Korean Nuclear Society P.O. Box 7, Cheong Ryang, Seoul, Korea

J. Korean Phys. Soc. (vol.1, no.1 March 1968—)
Coden: KPSJAS ISSN 0374-4884
Journal of the Korean Physical Society Korean Physical Society, Science Centre Building, San 76-561, Yuksan-dong, Kangam-ku, Seoul, Korea

J. Less-Common Met. (Switzerland) (vol.16, no.4 Dec. 1968—)
Coden: JCOMAH ISSN 0022-5088
Journal of the Less-Common Metals Elsevier Sequoia SA, P.O. Box 851, 1001 Lausanne 1, Switzerland

J. Libr. Autom. (USA) (vol.2, no.2 June 1969—)
Coden: JLAUAY ISSN 0022-2240
Journal of Library Automation Title changed to: Inf. Technol. & Libr. (USA)

J. Librarianship (GB) (vol.4, no.1 Jan. 1972—)
Coden: JLIBAH ISSN 0022-2232
Journal of Librarianship Library Association, 7 Ridgmount Street, London, WC1E 7AE, England

J. Light & Visual Environ. (Japan) (1984—)
Coden: JLEVDQ ISSN 0387-8805
Journal of Light and Visual Environment Illuminating Engineering Institute of Japan, 7-1, Yurakucho, 1 chome, Chiyoda-ku, Tokyo 100, Japan

†J. Lightwave Technol. (USA) (vol.LT-1, no.1 March 1983—)
Coden: JLTEDG ISSN 0733-8724
Journal of Lightwave Technology Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA. Optical Society of America, 2000 L Street, N.W., Washington, DC 20036

J. Logic Program. (USA) (vol.1, no.1 June 1984—)
Coden: JLPRE2 ISSN 0743-1066
Journal of Logic Programming Elsevier Science Publishing Co. Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

J. Low Freq. Noise & Vib. (GB) (vol.2, no.3 1983—)
Coden: JLFVDV ISSN 0263-0923
Journal of Low Frequency Noise & Vibration Multi Science Publishing Co. Ltd., 42/45 New Broad Street, London EC2M 1QY, England

†J. Low Temp. Phys. (USA) (vol.1, no.5 Oct. 1969—)
Coden: JLTPAC ISSN 0022-2291
Journal of Low Temperature Physics Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Lubr. Technol.
See: Trans. ASME. J. Lubr. Technol. (USA)

J. Lumin. (Netherlands) (vol.3, no.1 April 1970—)
Coden: JLUMA8 ISSN 0022-2313
Journal of Luminescence North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Macromol. Sci. - Phys. (USA) (vol.B11, no.3 1975—)
Coden: JMAPBR ISSN 0022-2348
Journal of Macromolecular Science - Physics Marcel Dekker Inc., P.O. Box 11305, Church Street Station, New York, NY 10249, USA

†**J. Magn. & Magn. Mater. (Netherlands)** (vol.1, no.2 Nov. 1975—)
Coden: JMMMDC ISSN 0304-8853
Journal of Magnetism and Magnetic Materials North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Magn. Resonance (USA) (vol.2, no.2 March 1970—)
Coden: JOMRA4 ISSN 0022-2364
Journal of Magnetic Resonance Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Manuf. Syst. (USA) (vol.3, no.1 1984—)
Coden: JMSYEB ISSN 0278-6125
Journal of Manufacturing Systems Society of Manufacturing Engineers, One SME Drive, P.O.Box 930, Dearborn, MI 48128, USA

J. Mater. (USA) (vol.4, no.2 June 1969—)
Coden: JMLSAM
Journal of Materials Title changed to: J. Test. & Eval. (USA)

†**J. Mater. Sci. (GB)** (vol.3, no.5 Sept. 1968—)
Coden: JMTSAS ISSN 0022-2461
Journal of Materials Science Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

†**J. Mater. Sci. Lett. (GB)** (vol.1, no.1 Jan. 1982—)
Coden: JMSLD5 ISSN 0261-8028
Journal of Materials Science Letters Chapman and Hall, 11 New Fetter Lane, London EC4P 4EE, England

J. Math. & Phys. Sci. (India) (vol.3, no.2 June 1969—)
Coden: JMPSB9 ISSN 0047-2557
Journal of Mathematical and Physical Sciences Indian Institute of Technology, Department of Mathematics, Madras 600 036, India

J. Math. & Sci. (Pakistan) (vol.1, no.1 June 1974—)
Coden: JMMSAR
Journal of Mathematics and Sciences Title changed to: Islamabad J. Sci. (Pakistan)

J. Math. Anal. & Appl. (USA) (1968—)
Coden: JMANAK ISSN 0022-247X
Journal of Mathematical Analysis and Applications Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Math. Biol. (Germany) (vol.5, no.1 1977—)
Coden: JMBLAJ ISSN 0303-6812
Journal of Mathematical Biology Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

†**J. Math. Phys. (USA)** (1968—)
Coden: JMAPAQ ISSN 0022-2488
Journal of Mathematical Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Math. Sociol. (GB) (vol.2, no.1 Jan. 1972—)
Coden: JMTSBT ISSN 0022-250X
Journal of Mathematical Sociology Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Mec. (France) (1968—)
Coden: JOMCAR ISSN 0021-7832
Journal de Mecanique Merged with J. Mec. Appl. (France) to form J. Mec. Theor. & Appl. (France)

J. Mec. Appl. (France) (vol.1, no.2 1977—)
Coden: JMAPDT ISSN 0399-0842
Journal de Mecanique Appliquee Merged with J. Mec. (France) to form J. Mec. Theor. & Appl. (France)

J. Mec. Theor. & Appl. (France) (vol.1, no.1 1982—)
Coden: JMTADB ISSN 0750-7240
Journal de Mecanique Theorique et Appliquee (Journal of Theoretical and Applied Mechanics) CDR, Centrale des Revues, 11 rue Gossin, 92543 Montrouge Cedex, France. Formed by merger of J. Mec. (France) and J. Mec. Appl. (France)

J. Mech. & Phys. Solids (GB) (1968—)
Coden: JMPSA8 ISSN 0022-5096
Journal of the Mechanics and Physics of Solids Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

J. Mech. (GB) (1968—)
Coden: JMECB8
Journal of Mechanisms Title changed to: Mech. & Mach. Theory (GB)

J. Mech. Des.
See: Trans. ASME. J. Mech. Des. (USA)

J. Mech. Eng. Lab. (Japan) (vol.25, no.3 May 1971—)
Coden: KGKSBL ISSN 0388-4252
Journal of Mechanical Engineering Laboratory Formerly: J. Mech. Lab. Jap. (Japan)
Namiki Sakura-mura, Niihari-gun, Ibaraki, Japan

J. Mech. Eng. Sci. (GB) (1968—)
Coden: JMESAL ISSN 0022-2542
Journal of Mechanical Engineering Science Title changed to: Proc. Inst. Mech. Eng. Part C (GB)

J. Mech. Lab. Jap. (Japan) (vol.14, no.2 1968—)
Coden: JMLJAT
Journal of Mechanical Laboratory of Japan Title changed to: J. Mech. Eng. Lab. (Japan)

J. Med. Eng. & Technol. (GB) (vol.1, no.1 Jan. 1977—)
Coden: JMTEDN ISSN 0309-1902
Journal of Medical Engineering & Technology Formerly: Bio-Med. Eng. (GB)
Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

J. Membrane Sci. (Netherlands) (vol.2, no.1 March 1977—)
Coden: JMESDO ISSN 0376-7388
Journal of Membrane Science Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

J. Met. (USA) (1968—)
Coden: JOMTAA ISSN 0148-6608
Journal of Metals Metallurgical Society of AIME, P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA 15086, USA

†**J. Microcomput. Appl. (GB)** (vol.5, no.1 Jan. 1982—)
Coden: JMIADO ISSN 0745-7138
Journal of Microcomputer Applications Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

J. Microgr. (USA) (vol.5, no.3 Jan. 1972—)
Coden: JMGPBN ISSN 0022-2712
Journal of Micrographics Title changed to: J. Inf. & Image Manage. (USA)

J. Microsc. & Spectrosc. Electron. (France) (vol.1, no.1 March 1976—)
Coden: JMSEDI ISSN 0395-9279
Journal de Microscopie et de Spectroscopie Electroniques Societe Francaise de Microscopie Electronique, 67 rue Maurice-Gunsbourg, 94200 Ivry, France

J. Microsc. (GB) (vol.95, pt.1 Feb. 1972—)
Coden: JMICAR ISSN 0022-2720
Journal of Microscopy Blackwell Scientific Publications Ltd., Osney Mead, Oxford OX2 0EL, England

†**J. Microwave Power (Canada)** (vol.3, no.4 Dec. 1968—)
Coden: JLMPAB ISSN 0022-2739
Journal of Microwave Power IMPI, University of Ottawa, Ottawa, Ont. K1N 6N5, Canada

†**J. Mol. Liq. (Netherlands)** (vol.25, no.1 March 1983—)
Coden: JMLIDT ISSN 0167-7322
Journal of Molecular Liquids Formerly: Adv. Mol. Relaxation & Interaction Processes (Netherlands)
Elsevier Science Publishers B.V., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†**J. Mol. Spectrosc. (USA)** (1968—)
Coden: JMOSA3 ISSN 0022-2852
Journal of Molecular Spectroscopy Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

†**J. Mol. Struct. (Netherlands)** (vol.3, no.4-5 May-June 1969—)
Coden: JMOSB4 ISSN 0022-2860
Journal of Molecular Structure Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Multivariate Anal. (USA) (vol.1, no.3 Sept. 1971—)
Coden: JMVAAI ISSN 0047-259X
Journal of Multivariate Analysis Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Nanjing Inst. Technol. (China) (no.2 1981—)
Coden: NKHPDQ ISSN 0254-4180
Journal of Nanjing Institute of Technology Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

J. Natl. Res. Counc. Thailand (1968—)
Coden: JRCTAF ISSN 0028-0011
Journal of the National Research Council of Thailand Thai National Documentation Centre, Bangkhen, Thailand

J. Navig. (GB) (vol.30, no.3 Sept. 1977—)
Coden: JONVAL ISSN 0373-4633
Journal of Navigation Royal Institute of Navigation at the Royal Geographical Society, 1 Kensington Gore, London, SW7 2AT, England

J. Neurosci. Methods (Netherlands) (vol.1, no.1 March 1979—)
Coden: JNMEDT ISSN 0165-0270
Journal of Neuroscience Methods Elsevier/North-Holland, Journal Division, P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**J. Non-Cryst. Solids (Netherlands)** (vol.1, no.1 Dec. 1968—)
Coden: JNCSBJ ISSN 0022-3093
Journal of Non-Crystalline Solids North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Non-Equilibrium Thermodyn. (Germany) (vol.4, no.1 1979—)
Coden: JNETDY ISSN 0340-0204
Journal of Non-Equilibrium Thermodynamics Walter de Gruyter & Co., Genthiner Strasse 13, D-1000 Berlin 30, Germany

†**J. Non-Newtonian Fluid Mech. (Netherlands)** (vol.1, no.1 Jan. 1976—)
Coden: JNFMDI ISSN 0377-0257
Journal of Non-Newtonian Fluid Mechanics Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**J. Nondestr. Eval. (USA)** (vol.1, no.1 March 1980—)
Coden: JNOED5 ISSN 0195-9298
Journal of Nondestructive Evaluation Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

J. Nonmet. & Semicond. (GB) (vol.2, no.3 Oct. 1975—)
Coden: JNSEDP
Journal of Nonmetals and Semiconductors Formerly: J. Nonmet. (GB) Title changed to: Semicond. & Insul. (GB)

J. Nonmet. (GB) (vol.1, no.1 1972—)
Coden: JNMTA3
Journal of Nonmetals Title changed to: J. Nonmet. & Semicond. (GB)

J. Nucl. Energy (GB) (1968—)
Coden: JNCEAA
Journal of Nuclear Energy Title changed to: Ann. Nucl. Sci. & Eng. (GB)

†**J. Nucl. Mater. (Netherlands)** (1968—)
Coden: JNUMAM ISSN 0022-3115
Journal of Nuclear Materials North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Nucl. Med. & Allied Sci. (Italy) (vol.24, no.1-2 Jan.-June 1980—)
Coden: JNMSD3 ISSN 0392-0208
Journal of Nuclear Medicine and Allied Sciences Edizioni Minerva Medica, Corso Bramante 83-85, Torino, Italy

J. Nucl. Med. (USA) (vol.9, no.12 Dec. 1968—)
Coden: JNMEAQ ISSN 0161-5505
Journal of Nuclear Medicine Society of Nuclear Medicine, 475 Park Avenue South, New York, NY 10016, USA

J. Nucl. Med. Technol. (USA) (vol.2, no.1 March 1974—)
Coden: JNMTB4 ISSN 0091-4916
Journal of Nuclear Medicine Technology Society of Nuclear Medicine, 475 Park Avenue South, New York, NY 10016, USA

J. Nucl. Radiochem.
See: He Huaxue Yu Fangshe Huaxue (China)

J. Nucl. Sci. & Technol. (Japan) (1968—)
Coden: JNSTAX ISSN 0022-3131
Journal of Nuclear Science and Technology Atomic Energy Society of Japan, 1-5-4 Ohte-machi, Chiyoda-ku, Tokyo 100, Japan

J. Number Theory (USA) (vol.14, no.1 Feb. 1982—)
Coden: JNUTA9 ISSN 0022-314X
Journal of Number Theory Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Occup. Psychol. (GB) (vol.56, no.1 1983—)
Coden: JOCPDJ ISSN 0305-8107
Journal of Occupational Psychology British Psychological Society, St. Andrews House, 48 Princess Road East, Leicester LE1 7DR, England

J. Oper. Res. Soc. (GB) (vol.29, no.1 Jan. 1978—)
Coden: JORSDZ ISSN 0160-5682
Journal of the Operational Research Society Formerly: Oper. Res. Q. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

† indicates a journal abstracted completely

J. Oper. Res. Soc. Jpn. (Japan) (vol.13, no.4 March 1971—)
Coden: JORJA5 ISSN 0453-4514
Journal of the Operations Research Society of Japan Operations Research Society of Japan, 4-16 Yayoi 2-chome, Bunko-ku, Tokyo 113, Japan

†**J. Opt. (France)** (vol.8, no.1 Jan.-Feb. 1977—)
Coden: JOOPDB ISSN 0150-536X
Journal of Optics Formerly: Nouv. Rev. Opt. (France)
Masson Editeur, 120 Boulevard Saint-Germain, 75280 Paris Cedex 06, France

J. Opt. (India) (vol.1, no.1 July-Sept. 1972—)
Coden: JOPTBQ ISSN 0150-536X
Journal of Optics Optical Society of India, Department of Applied Physics, University of Calcutta, 92 Acharya Prafulla Chandra Road, Calcutta 700 009, India

†**J. Opt. Commun. (Germany)** (vol.2 Sept. 1981—)
Coden: JOCODG ISSN 0173-4911
Journal of Optical Communications Fachverlag Schiele & Schon GmbH, Markgrafenstrasse 11, D-1000 Berlin 61, Germany

J. Opt. Soc. Am. (USA) (1968—)
Coden: JOSAAH ISSN 0030-3941
Journal of the Optical Society of America Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. →Journal split into 2 parts: J. Opt. Soc. Am. A (USA) and J. Opt. Soc. Am. B (USA)

†**J. Opt. Soc. Am. A (USA)** (vol.1, no.1 Jan. 1984—)
Coden: JOAOD6 ISSN 0740-3232
Journal of the Optical Society of America A (Optics and Image Science) 1816 Jefferson Place, N.W., Washington, DC 20036, USA. Subscription address: American Institute of Physics, 335 East 45th Street, New York, NY 10017. Supersedes in part: J. Opt. Soc. Am. (USA)

†**J. Opt. Soc. Am. B (USA)** (vol.1, no.1 March 1984—)
Coden: JOBPDE ISSN 0740-3224
Journal of the Optical Society of America B (Optical Physics) 1816 Jefferson Place, N.W., Washington, DC 20036, USA. Subscription address: American Institute of Physics, 335 East 45th Street, New York, NY 10017. Supersedes in part: J. Opt. Soc. Am. (USA)

†**J. Optimiz. Theory & Appl. (USA)** (vol.1, no.3 Nov. 1967—)
Coden: JOTABN ISSN 0022-3239
Journal of Optimization Theory and Applications Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA. S

J. PASCAL & ADA (USA) (vol.2, no.2 March-April 1983—)
Coden: JOPAD5 ISSN 0735-1232
Journal of PASCAL and ADA West Publishing Co., 898 South State Street, No. 25, Orem, UT 84057, USA

J. Petrol. (GB) (vol.21, no.1 Feb. 1980—)
Coden: JPTGAD ISSN 0022-3530
Journal of Petrology Oxford University Press, Press Road, London NW10 0DD, England

J. Photoacoust. (USA) (vol.1, no.1 1982—)
Coden: JPHODE ISSN 0278-2901
Journal of Photoacoustics Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

J. Photogr. Sci. (GB) (1968—)
Coden: JPTSAF ISSN 0022-3638
Journal of Photographic Science Royal Photographic Society, 14 South Audley Street, London W1Y 5DP, England

†**J. Phys. & Chem. Ref. Data (USA)** (vol.2, no.1 1973—)
Coden: JPCRBU ISSN 0047-2689
Journal of Physical and Chemical Reference Data American Chemical Society, 1155 Sixteenth Street, N.W., Washington, DC 20036, USA

†**J. Phys. & Chem. Solids (GB)** (1968—)
Coden: JPCSAW ISSN 0022-3697
Journal of the Physics and Chemistry of Solids Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†**J. Phys. (France)** (1968—)
Coden: JOPQAG ISSN 0302-0738
Journal de Physique Editions de Physique, Zone Industrielle de Courtaboeuf, B.P. 112, 91944 Les Ulis Cedex, France

†**J. Phys. A (GB)** (1968—)
Coden: JPHAC5 ISSN 0305-4470
Journal of Physics A, (Mathematical and General) Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**J. Phys. B (GB)** (1968—)
Coden: JPAMA4 ISSN 0022-3700
Journal of Physics B, (Atomic and Molecular Physics) Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**J. Phys. C (GB)** (1968—)
Coden: JPSOAW ISSN 0022-3719
Journal of Physics C, (Solid State Physics) Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

J. Phys. Chem. (USA) (1968—)
Coden: JPCHAX ISSN 0022-3654
Journal of Physical Chemistry American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

J. Phys. Colloq. (France) (vol.40, no.c-1 Feb. 1979—)
Coden: JPQCAK ISSN 0449-1947
Journal de Physique Colloque Editions de Physique, Zone Industrielle de Courtaboeuf, B.P. 112, 91944 Les Ulis Cedex, France

†**J. Phys. D (GB)** (vol.3, no.1 Jan. 1970—)
Coden: JPAPBE ISSN 0022-3727
Journal of Physics D, (Applied Physics) Formerly: Br. J. Appl. Phys. (J. Phys. D) (GB)
Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**J. Phys. E (GB)** (1968—)
Coden: JPSIAE ISSN 0022-3735
Journal of Physics E, (Scientific Instruments) Formerly: J. Sci. Instrum. (GB)
Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

J. Phys. Earth (Japan) (vol.19, no.1 March 1971—)
Coden: JPHEAF ISSN 0022-3743
Journal of Physics of the Earth University of Tokyo Press, c/o Business Centre for Academic Sciences, 4-16 Yayoi 2-chome, Bunkyo-ku, Tokyo 113, Japan. Subscription address: Japan Publications Trading Co. Ltd., C.P.O. 722, Tokyo, Japan

†**J. Phys. F (GB)** (vol.1, no.1 Jan. 1971—)
Coden: JPFMAT ISSN 0305-4608
Journal of Physics F, (Metal Physics) Formerly: Met. Phys. (GB)
Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**J. Phys. G (GB)** (vol.1, no.1 10 Jan. 1975—)
Coden: JPHGBM ISSN 0305-4616
Journal of Physics G, (Nuclear Physics) Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**J. Phys. Lett. (France)** (vol.35, no.1 Jan. 1974—)
Coden: JPSLBO ISSN 0302-072X
Journal de Physique Lettres Issued with: *J. Phys. (France)*

J. Phys. Oceanogr. (USA) (vol.1, no.3 July 1971—)
Coden: JPYOBT ISSN 0022-3670
Journal of Physical Oceanography American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

†**J. Phys. Soc. Jpn. (Japan)** (1968—)
Coden: JUPSAU ISSN 0031-9015
Journal of the Physical Society of Japan Room 211, Kikai Shinko Building, 3-5-8 Shiba Koen, Minato-ku, Tokyo 105, Japan

J. Plasma Phys. & Thermonucl. Fusion
See: Nucl. Fusion (Austria)

†**J. Plasma Phys. (GB)** (1968—)
Coden: JPLPBZ ISSN 0022-3778
Journal of Plasma Physics Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

J. Polym. Sci. A-1 (USA) (1968—)
Coden: JPLCAT
Journal of Polymer Science Part A-1 Polymer Chemistry Title changed to: J. Polym. Sci. Polym. Chem. Ed. (USA)

J. Polym. Sci. A-2 (USA) (1968—)
Coden: JPLPAY
Journal of Polymer Science Part A-2 Polymer Physics Title changed to: J. Polym. Sci. Polym. Phys. Ed. (USA)

J. Polym. Sci. B (USA) (1968—)
Coden: JPYBAN
Journal of Polymer Science, Part B Polymer Letters Title changed to: J. Polym. Sci. Polym. Lett. Ed. (USA)

J. Polym. Sci. Macromol. Rev. (USA) (vol.4 1970—)
Coden: JPDMAJ
Journal of Polymer Science, Macromolecular Reviews Title changed to: Macromol. Rev. (USA)

J. Polym. Sci. Polym. Chem. Ed. (USA) (vol.10, no.10 Oct. 1972—)
Coden: JPLCAT ISSN 0360-6376
Journal of Polymer Science, Polymer Chemistry Edition Formerly: J. Polym. Sci. A-1 (USA)
John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

J. Polym. Sci. Polym. Lett. Ed. (USA) (vol.10, no.10 Oct. 1972—)
Coden: JPYBAN ISSN 0360-6384
Journal of Polymer Science, Polymer Letters Edition Formerly: J. Polym. Sci. B (USA)
John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

J. Polym. Sci. Polym. Phys. Ed. (USA) (vol.10, no.10 Oct. 1972—)
Coden: JPLPAY ISSN 0098-1273
Journal of Polymer Science, Polymer Physics Edition Formerly: J. Polym. Sci. A-2 (USA)
John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA

J. Polym. Sci. Polym. Symp. (USA) (1968—)
Coden: JPYCAQ ISSN 0360-8905
Journal of Polymer Science, Polymer Symposia John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

†**J. Power Sources (Switzerland)** (vol.1, no.1 July 1976—)
Coden: JPSODZ ISSN 0378-7753
Journal of Power Sources Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

J. Pressure Vessel Technol.
See: Trans. ASME. J. Pressure Vessel Technol. (USA)

J. Pulp & Pap. Sci. (Canada) (vol.9, no.1 March 1983—)
Coden: JPUSDN ISSN 0317-882X
Journal of Pulp and Paper Science Formerly: Trans. Tech. Sect. Can. Pulp & Pap. Assoc. (Canada)
Technical Section, Canadian Pulp and Paper Association, Sun Life Building, 23rd Floor, 1155 Metcalfe Street, Montreal, Que. H3B 2X9, Canada

J. Qing Hua Univ. (China) (vol.19, no.1 1979—)
Coden: CHHPAH
Journal of Qing Hua University Formerly: J. Tsing Hua Univ. (China) Title changed to: J. Tsinghua Univ. (China)

J. Qual. Technol. (USA) (vol.5, no.4 Oct. 1973—)
Coden: JQUTAU ISSN 0022-4065
Journal of Quality Technology American Society of Quality Control, Plankinton Building, 161 West Wisconsin Avenue, Milwaukee, WI 53203, USA

†**J. Quant. Spectrosc. & Radiat. Transfer (GB)** (1968—)
Coden: JQSRAE ISSN 0022-4073
Journal of Quantitative Spectroscopy and Radiative Transfer Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

J. R. Astron. Soc. Can. (Canada) (1968—)
Coden: JRASA2 ISSN 0035-872X
Journal of the Royal Astronomical Society of Canada 136 Dupont Street, Toronto, Ont. M5R 1V2, Canada

J. R. Electr. & Mech. Eng. (GB) (no.23 April 1973—)
Coden: JREMB5 ISSN 0374-3608
Journal of the Royal Electrical and Mechanical Engineers Moat House, Arborfield, Berks., RG2 9LN, England

J. R. Signals Inst. (GB) (vol.10, no.3 Winter 1971—)
Coden: JRSIBT ISSN 0374-3519
Journal of the Royal Signals Institution Cheltenham Terrace, London, SW3 4RH, England

J. R. Stat. Soc. Ser. C
See: Appl. Stat. (GB)

J. R. Telev. Soc.
See: Television (J. R. Telev. Soc.) (GB)

J. Radiat. Res. (Japan) (vol.13, no.1 March 1972—)
Coden: JRARAX ISSN 0449-3060
Journal of Radiation Research Japan Radiation Research Society, c/o National Institute of Radiological Sciences, 9-1, Anagawa-4-chome , Chiba-shi 260, Japan

†**J. Radio Res. Lab. (Japan)** (1968—)
Coden: JRRLAW ISSN 0033-8001
Journal of the Radio Research Laboratories Chief Planning Section, Radio Research Laboratories, Ministry of Posts & Telecommunications, Nukui-Kitamachi, Konganei-shi, Tokyo 184, Japan

J. Radioanal. & Nucl. Chem. Artic. (Switzerland) (vol.81, no.1 1984—)
Coden: JRNCDM ISSN 0236-5731
Journal of Radioanalytical and Nuclear Chemistry, Articles Formerly: J. Radioanal. Chem. (Switzerland)
Elsevier Sequoia S.A., P.O.Box 851, CH-1001 Lausanne, Switzerland. Akademiai Kiado, Budapest, Hungary

J. Radioanal. & Nucl. Chem. Lett. (Switzerland) (vol.85, no.1 20 Jan. 1984—)
Coden: JRNCDM ISSN 0236-5731
Journal of Radioanalytical and Nuclear Chemistry, Letters Formerly: Radiochem. & Radioanal. Lett. (Switzerland)
Elsevier Sequioa S.A., P.O.Box 851, CH-1001 Lausanne, Switzerland. Akademiai Kiado, Budapest, Hungary

J. Radioanal. Chem. (Switzerland) (vol.25, no.2 1975—)
Coden: JRACBN ISSN 0134-0719
Journal of Radioanalytical Chemistry Title changed to: J. Radioanal. & Nucl. Chem. Artic. (Switzerland)

†**J. Raman Spectrosc. (GB)** (vol.1, no.1 April 1973—)
Coden: JRSPAF ISSN 0377-0486
Journal of Raman Spectroscopy Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England

J. Rech. Atmos. (France) (vol.6, no.4 Oct.-Dec. 1972—)
Coden: JRATA5 ISSN 0021-7972
Journal de Recherches Atmospheriques Observatoire du Puy de Dome, 12 avenue des Landais, 63001 Clermont Ferrand Cedex, France

J. Reinf. Plast. & Compos. (USA) (vol.2, no.4 Oct. 1983—)
Coden: JRPCDW ISSN 0731-6844
Journal of Reinforced Plastics and Composites Technomic Publishing Co. Inc., 851 New Holland Avenue, Box 3535, Lancaster, PA 17604, USA

J. Res. Inst. Sci. & Technol. Nihon Univ. (Japan) (no.36 Sept. 1970—)
Coden: NDRKA9 ISSN 0369-4313
Journal of the Research Institute of Science and Technology, Nihon University Nihon, Japan

J. Res. Natl. Bur. Stand. (USA) (vol.82, no.1 July-Aug. 1977—)
Coden: JRNBAG ISSN 0091-0635
Journal of Research of the National Bureau of Standards US Government Printing Office, Washington, DC 20402, USA. Formed by merger of J. Res. Natl. Bur. Stand. Sect. A (GB) and J. Res. Natl. Bur. Stand. Sect. B (GB)

J. Res. Natl. Bur. Stand. Sect. A (USA) (1968—)
Coden: JNBAAR
Journal of Research of the National Bureau of Standards. Section A (Physics and Chemistry) Merged with J. Res. Natl. Bur. Stand. Sect. B (USA) to form J. Res. Natl. Bur. Stand. (USA)

J. Res. Natl. Bur. Stand. Sect. B (USA) (1968—)
Coden: JNBBAU
Journal of Research of the National Bureau of Standards. Section B (Mathematics and Mathematical Physics) Merged with J. Res. Natl. Bur. Stand. Sect. A (USA) to form J. Res. Natl. Bur. Stand. (USA)

†**J. Rheol. (USA)** (vol.22, no.1 Feb. 1978—)
Coden: JORHD2 ISSN 0148-6055
Journal of Rheology Formerly: Trans. Soc. Rheol. (USA)
Published for the Society of Rheology by John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

J. Sci. & Ind. Res. (India) (1968—)
Coden: JSIRAC ISSN 0022-4456
Journal of Scientific and Industrial Research Sales & Distribution Office, Publications & Information Directorate, Hillside Road, New Delhi 110012, India

J. Sci. & Technol. (GB) (vol.36, no.1 1969—)
Coden: JSTGAY
Journal of Science and Technology Title changed to: GEC J. Sci. & Technol. (GB)

J. Sci. Hiroshima Univ. A (Japan) (1968—)
Coden: JHPCAR ISSN 0386-3034
Journal of Science of the Hiroshima University, Series A (Physics and Chemistry) Publishing Committee of Series A, Department of Chemistry, Faculty of Science, Hiroshima University, Hiroshima 730, Japan

J. Sci. Res. Banaras Hindu Univ. (India) (1968—)
Coden: JSRBA9 ISSN 0447-9483
Journal of Scientific Research of the Banaras Hindu University Department of Physics, Faculty of Science, P.O. Banaras Hindu University, Varnasi-221005, India

J. Sci. Soc. Thailand (vol.1, no.3 Sept. 1975—)
Coden: VKSTDB ISSN 0303-8122
Journal of the Science Society of Thailand Chulalongkorn University, Faculty of Science, Bangkok 5, Thailand

J. Seismol. Soc. Jpn.
See: Zisin. J. Seismol. Soc. Jpn. (Japan)

†**J. Semi-Custom ICs (GB)** (vol.1, no.1 Sept. 1983—)
Coden: JSCIER ISSN 0264-3375
Journal of Semi-Custom ICs Benn Electronics Publications Ltd., P.O.Box 28, Luton, Beds. LU2 0BD, England

J. Shanghai Chiao-Tung Univ.
See: Shanghai Jiaotong Daxue Xuebao (China)

J. Signalaufzeichnungsmater. (Germany) (vol.2, no.4 1974—)
Coden: JSZMAE ISSN 0323-598X
Journal fur Signalaufzeichnungsmaterialien Akademie-Verlag, 108 Berlin, Leipzigerstrasse 3-4, Germany

J. Singapore Natl. Acad. Sci. (vol.1, no.1 1969—)
Coden: JSNABL ISSN 0129-3729
Journal of the Singapore National Academy of Science Tecco Organisation, 117-b Killiney Road, Singapore 9, Singapore

J. Soc. Environ. Eng. (GB) (no.52 March 1972—)
Coden: JSEEBM ISSN 0374-356X
Journal of the Society of Environmental Engineers Formerly: Environ. Eng. (GB)
Modino Press Ltd., 50 Pine Grove, London, N20 8LA, England

J. Soc. Glass Technol. Sect. B
See: Phys. & Chem. Glasses (GB)

J. Soc. Instrum. & Control Eng. (Japan) (1968—)
Coden: KESEA4 ISSN 0453-4662
Journal of the Society of Instrument and Control Engineers Hongo, 1-35-28-303, Bunkyo-ku, Tokyo 113, Japan

†**J. Soc. Mater. Sci. Jpn. (Japan)** (vol.20, no.217 Oct. 1971—)
Coden: ZARYAQ ISSN 0514-5163
Journal of the Society of Materials Science, Japan 1 Yoshida Izumidono-cho, Sakyo-ku, Kyoto, Japan

J. Soc. Motion Pict. & Telev. Eng. (USA) (1968—)
Coden: JSMTA4
Journal of the Society of Motion Picture and Television Engineers Title changed to: SMPTE J. (USA)

J. Soc. Photo-Opt. Instrum. Eng. (USA) (vol.10, no.1 Oct.-Dec. 1971—)
Coden: SPIEBI
Journal of the Society of Photo-Optical Instrumentation Engineers Title changed to: Opt. Eng. (USA)

J. Soc. Photogr. Sci. & Technol. Jpn. (Japan) (vol.47, no.1 Feb. 1984—)
Coden: NSGKAP ISSN 0369-5662
Journal of the Society of Photographic Science and Technology of Japan Tokyo Insitute of Polytechnics, 2-9-5 Hon-cho, Nakano-ku, Tokyo 164, Japan

J. Soc. Radiol. Prot. (GB) (vol.1, no.1 Spring 1981—)
Coden: JSRPDK ISSN 0260-2814
Journal of the Society for Radiological Protection C.E.G.B. Berkeley Nuclear Laboratories, Berkeley, Glos. GL13 9PB, England

J. Soc. Res. Adm. (USA) (vol.14, no.4 Spring 1983—)
Coden: JSRAD9
Journal of the Society of Research Administrators 1505 4th Street, Ste. 203, Santa Monica, CA 90401, USA

J. Sol. Energy Eng.
See: Trans. ASME. J. Sol. Energy Eng. (USA)

†**J. Solid State Chem. (USA)** (vol.3, no.4 Nov. 1971—)
Coden: JSSCBI ISSN 0022-4596
Journal of Solid State Chemistry Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Sound & Vib. (GB) (1968—)
Coden: JSVIAG ISSN 0022-460X
Journal of Sound and Vibration Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England

†**J. Sov. Laser Res. (USA)** (vol.1, no.1 Jan.-March 1980—)
Coden: JSLRDU ISSN 0270-2010
Journal of Soviet Laser Research Plenum Publishing Corp., 227 West 17th Street, New York, NY 10016, USA

J. Spacecr. & Rockets (USA) (vol.5, no.10 Oct. 1968—)
Coden: JSCRAG ISSN 0022-4650
Journal of Spacecraft and Rockets American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10104, USA

J. Spectrosc. Soc. Jpn. (Japan) (vol.24, no.1 1975—)
Coden: BUKKAT ISSN 0038-7002
Journal of the Spectroscopical Society of Japan (Bunkyo Kenkyu) Spectroscopical Society of Japan, Room 301, Clean Building, 1-13, Kanda-Awaji-cho, Chiyoda-ku, Tokyo 101, Japan

J. Speech & Hear. Res. (USA) (vol.15, no.1 March 1972—)
Coden: JSPHAH ISSN 0022-4685
Journal of Speech and Hearing Research American Speech-Language-Hearing Association, 10801 Rockville Pike, Rockville, MA 20852, USA

†**J. Stat. Comput. & Simulation (GB)** (vol.1, no.3 July 1972—)
Coden: JSCSAJ ISSN 0094-9655
Journal of Statistical Computation and Simulation Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

†**J. Stat. Phys. (USA)** (vol.1, no.2 1969—)
Coden: JSTPBS ISSN 0022-4715
Journal of Statistical Physics Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Stat. Plann. & Inference (Netherlands) (vol.3, no.1 April 1979—)
Coden: JSPIDN ISSN 0378-3758
Journal of Statistical Planning and Inference North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Strain Anal. (GB) (vol.8, no.1 Jan. 1973—)
Coden: JSTABH
Journal of Strain Analysis Title changed to: J. Strain Anal. Eng. Des. (GB)

J. Strain Anal. Eng. Des. (GB) (vol.14, no.4 Oct. 1979—)
Coden: JSADDZ ISSN 0309-3247
Journal of Strain Analysis for Engineering Design Formerly: J. Strain Anal. (GB)
Mechanical Engineering Publications Ltd., P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England

J. Struct. Chem. (USA) (vol.13, no.1 Jan.-Feb. 1972—)
Coden: JSTCAM ISSN 0022-4766
Journal of Structural Chemistry [Translation of: *Zh. Strukt. Khim. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

J. Struct. Geol. (GB) (vol.2, no.4 1980—)
Coden: JSTGD3 ISSN 0191-8141
Journal of Structural Geology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Struct. Mech. (USA) (vol.5, no.1 1977—)
Coden: JSMHA2 ISSN 0360-1218
Journal of Structural Mechanics Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

J. Symb. Logic (USA) (vol.42, no.1 March 1977—)
Coden: JSYLA6 ISSN 0022-4812
Journal of Symbolic Logic Association for Symbolic Logic, P.O. Box 6248, Providence, RI 02940, USA

†**J. Syst. & Software (USA)** (vol.1, no.1 1979—)
Coden: JSSODM ISSN 0164-1212
Journal of Systems and Software Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

J. Syst. Eng. (GB) (vol.1, no.1 Autumn 1969—)
Coden: JSYEAJ ISSN 0022-4820
Journal of Systems Engineering Title changed to: J. Appl. Syst. Anal. (GB)

†**J. Syst. Manage. (USA)** (vol.21, no.6 June 1970—)
Coden: JSYMA9 ISSN 0022-4839
Journal of Systems Management Association for Systems Management 24587 Bagley Road, Cleveland, OH 44138, USA

J. Tech. Phys. (Poland) (vol.16, no.1 1975—)
Coden: JTPHDR ISSN 0324-8313
Journal of Technical Physics Formerly: Proc. Vib. Probl. (Poland)
Polish Academy of Sciences, Institute of Fundamental Technological Research, Palac Kultury i Nauki, Warszawa, Poland

J. Technol. (India) (1968—)
Coden: JTBEAD ISSN 0047-2824
Journal of Technology Bengal Engineering College, Howrah, India

J. Telecommun. Networks (USA) (vol.1, no.1 Spring 1982—)
Coden: JTNWDS ISSN 0276-0037
Journal of Telecommunication Networks Computer Science Press Inc., 11 Taft Court, Rockville, MD 20850, USA

J. Test. & Eval. (USA) (vol.1, no.1 Jan. 1973—)
Coden: JTEVAB ISSN 0090-3973
Journal of Testing and Evaluation Formerly: J. Mater. (USA)
American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, USA

J. Theor. & Appl. Mech.
See: J. Mec. Theor. & Appl. (France)

J. Therm. Anal. (GB) (vol.3, no.1 1971—)
Coden: JTHEA9 ISSN 0022-5215
Journal of Thermal Analysis Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England. Akademiai Kiado, Alkotmany U 21, Budapest 5, Hungary

J. Therm. Biol. (GB) (vol.9, no.1-2 April 1984—)
Coden: JTBIDS ISSN 0306-4565
Journal of Thermal Biology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Therm. Stresses (USA) (vol.1, no.1 July 1978—)
Coden: JTSTDA ISSN 0149-5739
Journal of Thermal Stresses McGraw-Hill International Book Co., 1221 Avenue of the Americas, New York, NY 10020, USA

J. Time Ser. Anal. (GB) (vol.1, no.1 1980—)
Coden: JTSADL ISSN 0143-9782
Journal of Time Series Analysis Tieto Ltd., 4 Bellevue Mansions, Bellevue Road, Clevedon, Avon BS21 7NU, England

J. Tongji Univ.
See: J. Tung-Chi Univ. (China)

J. Tongji Univ. (China) (no.1 1984—)
Coden: TTHPDJ
Journal of Tongji University (Tongji Daxue Xuebao) Formerly: J. Tung-Chi Univ. (China)
Distribution address: China International Book Trading Corp., Guoji Shudian, P.O.Box 2820, Beijing, People's Republic of China

J. Tsing Hua Univ. (China) (no.1 1978—)
Coden: CHHPAH
Journal of Tsing Hua University Title changed to: J. Qing Hua Univ. (China)

J. Tsinghua Univ. (China) (vol.22, no.1 1982—)
Coden: CHHPAH ISSN 0577-9189
Journal of Tsinghua University Formerly: J. Qing Hua Univ. (China)
Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

J. Tung-Chi Univ. (China) (no.1 1981—)
Coden: TTHPDJ ISSN 0253-374X
Journal of Tung-Chi University Title changed to: J. Tongji Univ. (China)

J. Univ. Kuwait (Sci.) (vol.1 1974—)
Coden: JUKSD8 ISSN 0376-4818
Journal of the University of Kuwait (Science) Faculty of Science, Kuwait

J. Urban Anal. (GB) (vol.1, no.1 Oct. 1972—)
Coden: JURAAK ISSN 0091-1909
Journal of Urban Analysis Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Vac. Sci. & Technol. (USA) (1968—)
Coden: JVSTAL ISSN 0022-5355
Journal of Vacuum Science and Technology Journal split into two parts: J. Vac. Sci. & Technol. A (USA) and J. Vac. Sci. & Technol. B (USA)

†**J. Vac. Sci. & Technol. A (USA)** (vol.1, no.1 Jan.-March 1983—)
Coden: JVTAD6 ISSN 0734-2101
Journal of Vacuum Science & Technology A (Vacuum, Surfaces, and Films) Published for the American Vacuum Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Supersedes in part: J. Vac. Sci. & Technol. (USA)

†**J. Vac. Sci. & Technol. B (USA)** (vol.1, no.1 Jan.-March 1983—)
Coden: JVTBD9 ISSN 0734-211X
Journal of Vacuum Science & Technology B (Microelectronics Processing and Phenomena) Published for the American Vacuum Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Supersedes in part: J. Vac. Sci. & Technol. (USA)

J. Vac. Soc. Jpn. (Japan) (vol.15, no.1 1972—)
Coden: SHINAM ISSN 0559-8516
Journal of the Vacuum Society of Japan Kikai Shinko Building, 5-8 Shibakoen, 3 - chome, Minato-ku, Tokyo, Japan

†**J. VLSI & Comput. Syst. (USA)** (vol.1, no.1 Spring 1983—)
Coden: JVCSD9 ISSN 0733-5644
Journal of VLSI and Computer Systems Formerly: J. Digital Syst. (USA)
Computer Science Press Inc., 11 Taft Court, Rockville, MD 20850, USA

J. Water Pollut. Control Fed. (USA) (vol.44, no.1 Jan. 1972—)
Coden: JWPFA5 ISSN 0043-1303
Journal Water Pollution Control Federation Water Pollution Control Federation, 2626 Pennsylvania Avenue, N.W., Washington, DC 20037, USA

J. Wind Eng. & Ind. Aerodyn. (Netherlands) (vol.6, no.11-2 July 1980—)
Coden: JWEAD6 ISSN 0167-6105
Journal of Wind Engineering and Industrial Aerodynamics Formerly: J. Ind. Aerodyn. (Netherlands)
Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. X-Ray Technol. (GB) (Spring 1971—)
Coden: JXRTAU ISSN 0374-3497
Journal of X-Ray Technology Society of X-Ray Technology, c/o Mr. G.E.H. Deadman, "Arvalee", Stanley Road, Marden, Kent TN12 9EL, England

J. Xiamen Univ. (Nat. Sci.) (China) (vol.23, no.2 May 1984—)
Journal of Xiamen University (Natural Science) Distribution address: China International Book Trading Corp., Guoji Shudian, P.O.Box 2820, Beijing, People's Republic of China

J. Zhejiang Univ. (China) (vol.8, no.1 1984—)
Coden: CHHPDK
Journal of Zhejiang University Distribution address: China International Book Trading Corp., Guoji Shudian, P.O.Box 2820, Beijing, People's Republic of China

Jad. Energ. (Czechoslovakia) (vol.15, no.2 1969—)
Coden: JADEAQ ISSN 0448-116X
Jaderna Energie SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

JAEU (Japan) (vol.4, no.3 1971—)
Coden: JAEUAB
JAEU (Journal of Asia Electronics Union) Title changed to: AEU (Japan)

Jahangirnagar Rev. Part A (Bangladesh) (vol.5 1981—)
Coden: JRASE6
Jahangirnagar Review, Part A (Science) Jahangirnagar University, Savar, Dacca, Bangladesh

JEE (Japan) (vol.16, no.156 Dec. 1979—)
Coden: JEENDL ISSN 0385-4507
JEE (Journal of Electronic Engineering) Formerly: JEE (Japan)
Dempa Publications Inc., 11-15 Higashi Gotanda, 1-chome, Shinagawaku, Tokyo 141, Japan

JEE (Japan) (1968—)
Coden: JELEBR
JEE (Japan Electronic Engineering) Title changed to: JEE (Japan)

JEI-J. Electron. Ind. (Japan) (vol.29, no.4 April 1982—)
Coden: JJEID7 ISSN 0385-4515
JEI-Journal of the Electronics Industry Formerly: JEI-Jpn. Electron. Ind. (Japan)
Dempa Publications Inc., 11-15, Higashi Gotanda 1-chome, Shinagawa-ku, Tokyo 141, Japan

JEI-Jpn. Electron. Ind. (Japan) (vol.18, no.11 Nov. 1971—)
Coden: JELIB5
JEI- Japan Electronic Industry Title changed to: JEI-J. Electron. Ind. (Japan)

JEMIC Tech. Rep. (Japan) (vol.18, no.4—)
Coden: DKGIDQ ISSN 0385-3047
JEMIC Technical Report Japan Electric Meters Inspection Corp., 1-5-6 Shibaura, Minato-ku, Tokyo 105, Japan

Jemna Mech. & Opt. (Czechoslovakia) (no.9 1968—)
Coden: JMKOA5 ISSN 0447-6441
Jemna Mechanika a Optika SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Jena Friedrich-Schiller-Univ. Wiss. Z., Math. Naturwiss. Reihe
See: Wiss. Z. Friedrich-Schiller-Univ. Jena, Math. Naturwiss. Reihe (Germany)

Jena Rev. (Germany) (1968—)
Coden: JNRVAY ISSN 0448-9497
Jena Review VEB Carl Zeiss Jena, Carl-Zeiss-Strasse 1, DDR-6900 Jena, Germany

JEOL News Anal. Instrum. (Japan) (vol.20A, no.1 1984—)
Coden: JNAIDF ISSN 0385-4418
JEOL News, Analytical Instrumentation JEOL Ltd., 1418 Nakagami, Akishima, Tokyo 196, Japan

JEOL News Electron Opt. Instrum. (Japan) (vol.25E, no.2 25 Aug. 1983—)
Coden: JNEIDZ ISSN 0385-4426
JEOL News, Electron Optics Instrumentation JEOL Ltd., 1418 Nakagami, Akishima, Tokyo 196, Japan

†**JETP Lett. (USA)** (1968—)
Coden: JTPLA2 ISSN 0021-3640
JETP Letters [Translation of: *Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)*]
American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Johns Hopkins APL Tech. Dig. (USA) (vol.1, no.1 Jan.-March 1980—)
Coden: JHADDQ ISSN 0270-5214
Johns Hopkins APL Technical Digest Formerly: APL Tech. Dig. (USA)
Johns Hopkins University, Applied Physics Laboratory, Johns Hopkins Road, Laurel, MD 20707, USA

Joho Shori
See: Inf. Process. Soc. Jpn. (Joho Shori) (Japan)

Jpn. Acad. Proc. Ser. A
See: Proc. Jpn. Acad. Ser. A (Japan)

Jpn. Acad. Proc. Ser. B
See: Proc. Jpn. Acad. Ser. B (Japan)

Jpn. Electr. Meters Insp. Corp. Tech. Rep.
See: JEMIC Tech. Rep. (Japan)

Jpn. Inst. Met. J.
See: J. Jpn. Inst. Met. (Japan)

Jpn. Inst. Met. Trans.
See: Trans. Jpn. Inst. Met. (Japan)

Jpn. Inst. Navig. J.
See: J. Jpn. Inst. Navig. (Japan)

Jpn. J. Appl. Phys. (Japan) (1968—)
Coden: JJAPA5 ISSN 0021-4922
Japanese Journal of Applied Physics Journal split into two parts: Jpn. J. Appl. Phys. Part 1 (Japan) and Jpn. J. Appl. Phys. Part 2 (Japan)

†**Jpn. J. Appl. Phys. Part 1 (Japan)** (vol.21, no.1 Jan. 1982—)
Coden: JAPNDE ISSN 0021-4922
Japanese Journal of Applied Physics, Part 1 (Regular Papers & Short Notes) Publication Office, Daini Toyokaiji Building, 24-8, Shinbashi 4-chome, Minato-ku, Tokyo 105, Japan. Supersedes in part: Jpn. J. Appl. Phys. (Japan)

†**Jpn. J. Appl. Phys. Part 2 (Japan)** (vol.21, no.1 Jan. 1982—)
Coden: JAPLD8 ISSN 0021-4922
Japanese Journal of Applied Physics, Part 2 (Letters) Publication Office, Daini Toyokaiji Building, 24-8, Shinbashi 4-chome, Minato-ku, Tokyo 105, Japan. Supersedes in part: Jpn. J. Appl. Phys. (Japan)

†**Jpn. J. Appl. Phys. Suppl. (Japan)** (vol.21, no.21-1 1982—)
Coden: JJPYA5 ISSN 0021-4922
Japanese Journal of Applied Physics, Supplement Publication Office, Daini Toyokaiji Building, 24-8, Shinbashi 4-chome, Minato-ku, Tokyo 105, Japan

Jpn. J. Med. Electron. & Biol. Eng. (Japan) (vol.9, no.2 April 1971—)
Coden: IYSEAK ISSN 0021-3292
Japanese Journal of Medical Electronics and Biological Engineering Japan Society of Medical Electronics and Biological Engineering, Kikaishinko Building, 3-5-8 Shiba-Park, Minato-ku, Tokyo 105, Japan

Jpn. Railw. Eng. (Japan) (vol.19, no.3 1979—)
Coden: JAREBT ISSN 0448-8938
Japanese Railway Engineering Japan Railway Engineers' Association, 5-18 Otemachi 2-chome, Chiyoda-ku, Tokyo 100, Japan

Jpn. Soc. Aeronaut. & Space Sci. J.
See: J. Jpn. Soc. Aeronaut. & Space Sci. (Japan)

Jpn. Soc. Aeronaut. & Space Sci. Trans.
See: Trans. Jpn. Soc. Aeronaut. & Space Sci. (Japan)

Jpn. Soc. Mech. Eng. Bull.
See: Bull. JSME (Japan)

† indicates a journal abstracted completely

Jpn. Soc. Precis. Eng. Bull.
See: Bull. Jpn. Soc. Precis. Eng. (Japan)
Jpn. Soc. Precis. Eng. J.
See: J. Jpn. Soc. Precis. Eng. (Japan)
Jpn. Soc. Simulation Technol. J.
See: J. Jpn. Soc. Simulation Technol. (Japan)
†**Jpn. Telecommun. Rev. (Japan)** (1968—)
Coden: JTCRAN ISSN 0021-4744
Japan Telecommunications Review Nippon Telegraph & Telephone Public Corp., 1-6 Uchisaiwai-cho, 1-chome, Chiyoda-ku, Tokyo 100, Japan
JSME Bull.
See: Bull. JSME (Japan)
Jurimetrics J. (USA) (vol.13, no.1 Fall 1972—)
Coden: JURJAD ISSN 0022-6793
Jurimetrics Journal Section of Sciences & Technology, American Bar Association, 1155 East 60th Street, Chicago, IL 60637, USA

K. Dan. Vidensk. Selsk. Mat.-Fys. Medd. (Denmark) (1968—)
Coden: KDVSAK
Kongelige Danske Videnskabernes Selskab, Matematisk-fysiske Meddelelser Title changed to: Mat.-Fys. Medd. Dan. Vidensk. Selsk. (Denmark)
K. Ned. Akad. Wet. Proc. Ser. B
See: Proc. K. Ned. Akad. Wet. Ser. B (Netherlands)
K. Nor. Vidensk. Selsk. Foerhandl. (Norway) (1968—)
Coden: KNSFA2 ISSN 0368-6302
Kongelige Norske Videnskabers Selskabs Forhandlinger Publisher: F.Bruns Bokhandel, Trondheim, Norway
K. Nor. Vidensk. Selsk. Skr. (Norway) (1968—)
Coden: KNSSA7 ISSN 0368-6310
Kongelige Norske Videnskabers Selskabs Skrifter Publisher: F.Bruns Bokhandel, Trondheim, Norway
Kabel-Cables (Switzerland) (no.1 1974—)
Coden: KACAAK ISSN 0254-220X
Kabel-Cables Kabelwerke Brugg AG, 5200 Brugg, Switzerland
Kanazawa Daigaku Kogakubu Kiyo
See: Mem. Fac. Technol. Kanazawa Univ. (Japan)
Kanazawa Univ. Fac. Technol. Mem.
See: Mem. Fac. Technol. Kanazawa Univ. (Japan)
Kanazawa Univ. Sci. Rep.
See: Sci. Rep. Kanazawa Univ. (Japan)
Kansai Univ. Technol. Rep.
See: Technol. Rep. Kansai Univ. (Japan)
Karl-Marx-Stadt Tech. Hochsch. Wiss. Z.
See: Wiss. Z. Tech. Hochsch. Karl-Marx-Stadt (Germany)
Karl-Marx-Univ. Leipzig Wiss. Z. Math.-Naturwiss. Reihe
See: Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Naturwiss. Reihe (Germany)
KDD Tech. J. (Japan) (no.65 July 1970—)
Coden: KTNKAY ISSN 0452-3431
KDD Technical Journal International Communications Research Institute, Tokyo, Japan
Keio Sci. & Technol. Rep. (Japan) (1984—)
Coden: KSTREE
Keio Science and Technology Reports Keio University, Faculty of Science and Technology, 3-14-1 Hiyoshi, Kohoku-ku, Yokohama-shi, Kanagawa 223, Japan
Keisoku Jido Seigyo Gakkai Ronbunshu
See: Trans. Soc. Instrum. & Control Eng. (Japan)
Keisoku To Seigyo
See: J. Soc. Instrum. & Control Eng. (Japan)
Kema Sci. & Tech. Rep. (Netherlands) (vol.1, no.1 1983—)
Coden: KESRED ISSN 0167-8590
Kema Scientific & Technical Reports N.V. KEMA, Postbus 9035, 6800 ET Arnhem, Netherlands
Kenshin Jiho
See: Q. J. Seismol. (Japan)
Kent Rev. (GB) (no.5 June 1981—)
Coden: KREVDB ISSN 0143-8697
Kent Review Formerly: Kent Tech. Rev. (GB)
Brown Boveri Kent Ltd., Biscot Road, Luton, Beds. LU3 1AL, England
Kent Tech. Rev. (GB) (no.5 Dec. 1971—)
Coden: KTTRAH ISSN 0374-3659
Kent Technical Review Title changed to: Kent Rev. (GB)
Kep- & Hangtech. (Hungary) (vol.25, no.6 Dec. 1979—)
Coden: KEHTAS ISSN 0023-0480
Kep- es Hangtechnika Lapkiado Vallalat, Budapest VII, Lenin korut 9-11, Hungary
Kexue Tongbao (Foreign Lang. Ed.) (China) (vol.25, no.1-2 Jan. 1980—)
Coden: KHTPBU ISSN 0250-7862
Kexue Tongbao (Foreign Language Edition) Science Press, Beijing, People's Republic of China
Khim. Fiz. (USSR) (1968—)
Coden: KHFID9 ISSN 0207-401X
Khimicheskaya Fizika Izdatel'stvo 'Nauka', 103717 GSP Moskva K-62, Podsosenskii Per. 21, USSR [English translation in: *Sov. J. Chem. Phys. (GB)*]
Kibern. & Vychisl. Tekh. (USSR) (no.13 1972—)
Coden: KVYTAS ISSN 0454-9910
Kibernetika i Vychislitel'naya Tekhnika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
Kibernetika (USSR) (1968—)
Coden: KBRNA5 ISSN 0023-1274
Kibernetika Agent: Mezhdumarodnaya Kniga, Moskva, USSR [English translation in: *Cybernetics (USA)*]
Kikai Gyutsu Kenkyusho Shoho
See: J. Mech. Eng. Lab. (Japan)
Kilobaud Microcomput. (USA) (Nov. 1979—)
Kilobaud Microcomputing Title changed to: Microcomputing (USA)
KINAM Rev. Fis. (Mexico) (vol.4, no.4 1982—)
Coden: KINADW ISSN 0185-125X
KINAM Revista de Fisica Apartado Postal 20-254, Administracion 20, 01000 Mexico DF, Mexico
Kiso Inf. Bull.
See: Tokyo Astron. Obs. Kiso Inf. Bull. (Japan)

Kniznice & Ved. Inf. (Czechoslovakia) (no.1 1971—)
Coden: KVIFA8 ISSN 0322-807X
Kniznice a Vedecke Informacie Matica Slovenska, 036 52 Martin, Mundronova 35, Czechoslovakia
Kobe Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Kobe Univ. (Japan)
Koezl. Magy. Tud. Akad. Musz. Fiz. Kut. Intez. (Hungary) (no.0-3 1971—)
Coden: MTIKAV
Kozlemenyei Magyar Tudomanyos Akademia Muszaki Fizikai Kutato Intezetenek Hungarian Academy of Sciences, Research Institute for Technical Physics, Budapest, Ujpest 1, P.O. Box 76, Hungary
Koezl. Magy. Tud. Akad. Szamitastech. & Autom. Kut. Intez. (Hungary) (no.25 1982—)
Coden: KMTIDC ISSN 0133-7459
Kozlemenyek Magyar Tudomanyos Akademia Szamitastechnikai es Automatizalasi Kutato Intezete 1502 Budapest, Kende u. 13-17, Pf. 63, Hungary
Koezlekedes Tud. Sz. (Hungary) (vol.23, no.7 July 1973—)
Coden: KOSZAZ ISSN 0023-4362
Kozlekedes Tudomanyi Szemle Lapkiado Vallalat, 1073 Budapest, Lenin-Korut 9-11, Hungary
Kogaku To Gijutsu
See: Eng. & Technol. (Japan)
Kogaku to Gijutsu (Japan) (vol.4, no.3 1971—)
Coden: KTGIAR
Kogaku to Gijutsu Title changed to: Eng. & Technol. (Japan)
Kogakuin Daigaku Kenkyu Hokoku
See: Res. Rep. Kogakuin Univ. (Japan)
Kogakuin Univ. Res. Rep.
See: Res. Rep. Kogakuin Univ. (Japan)
Kokusai Tsushin No Kenkyo
See: KDD Tech. J. (Japan)
Kolloidn. Zh. (USSR) (vol.34, no.1 Jan.-Feb. 1972—)
Coden: KOZHAG ISSN 0023-2912
Kolloidnyi Zhurnal Editorial address: Institute of Physical Chemistry, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Colloid J. USSR (USA)*]
Koncar Strucne Inf. (Yugoslavia) (no.1 1977—)
Coden: KONCDC ISSN 0350-5537
Koncar Strucne Informacije Formerly: Inf. Rade Koncar (Yugoslavia)
Produzece 'Rade Koncar', Post Pret, 304 Fallervo Set, 22 Zagreb, Yugoslavia
Korea Inf. Sci. Soc. J.
See: J. Korea Inf. Sci. Soc.
Korea Inst. Electron. Eng. J.
See: J. Korea Inst. Electron. Eng.
Korean Inst. Electr. Eng. J.
See: J. Korean Inst. Electr. Eng.
Korean Inst. Electr. Eng. Trans.
See: Trans. Korean Inst. Electr. Eng.
Korean Inst. Met. J.
See: J. Korean Inst. Met.
Korean Nucl. Soc. J.
See: J. Korean Nucl. Soc.
Korean Phys. Soc. J.
See: J. Korean Phys. Soc.
Kosm. Issled. (USSR) (1968—)
Coden: KOISAW ISSN 0023-4206
Kosmicheske Issledovaniya Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Cosmic Res. (USA)*]
Kotai Butsuri
See: Solid State Phys. (Japan)
Kovove Mater. (Czechoslovakia) (vol.11, no.1 1973—)
Coden: KOMAAW ISSN 0023-432X
Kovove Materialy Vydavatel'stvo Slovenskej Akademie Vied, Bratislava, Klemensova 19, Czechoslovakia [English translation in: *Met. Mater. (GB)*]
Krist. & Tech. (Germany) (vol.3, no.4 1968—)
Coden: KRTEAW
Kristall und Technik Title changed to: Cryst. Res. & Technol. (Germany)
Kristallografiya (USSR) (1968—)
Coden: KRISAJ ISSN 0023-4761
Kristallografiya Akademiya Nauk SSSR, Leninskii Prosp.14, Moskva, USSR [English translation in: *Sov. Phys.-Crystallogr. (USA)*]
Kumamoto J. Sci. (Math.) (Japan) (1968—)
Coden: KJSAAR ISSN 0385-6763
Kumamoto Journal of Science (Mathematics) Faculty of Science, Kumamoto University, Kumamoto, Japan
Kumamoto Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Kumamoto Univ. (Japan)
Kunststst.-Berat. (Germany) (vol.13, no.12 Dec. 1968—)
Coden: KUBEAV ISSN 0172-6374
Kunststoff-Berater Umschau Verlag, 6000 Frankfurt am Main, Stuttgarter Strasse 18-24, Germany
Kuwait Univ. J.
See: J. Univ. Kuwait (Sci.)
Kvantovaya Elektron., Kiev (USSR) (no.6 1972—)
Coden: KVELA6 ISSN 0368-7155
Kvantovaya Elektronika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
Kvantovaya Elektron., Moskva (USSR) (no.1 1971—)
Coden: KVEKA3
Kvantovaya Elektronika Sovetskoe Radio, Moskva, Glavpochtamt, p/ya 693, USSR [English translation in: *Sov. J. Quantum Electron. (USA)*]
Kybernetes (GB) (vol.1, no.1 Jan. 1972—)
Coden: KBNTA3 ISSN 0368-492X
Kybernetes Thales Publications (W.O.) Ltd., 4 Pleck Farm Avenue, Blackburn BB1 8PE, England
Kybernetik (Germany) (1968—)
Coden: KYBEAP
Kybernetik Title changed to: Biol. Cybern. (Germany)
Kybernetika (Czechoslovakia) (vol.4, no.3 1968—)
Coden: KYBNAI ISSN 0023-5954
Kybernetika PNS-vyvos Tisku, Nove Mesto, Jindrisska 14, 12505 Praha 1, Czechoslovakia
Kyoto Daigaku Genshi Enerugi Kenkyusho Iho
See: Bull. Inst. At. Energy Kyoto Univ. (Japan)
Kyoto Tech. Univ. Fac. Ind. Arts Mem. Sci. & Technol.
See: Mem. Fac. Ind. Arts Kyoto Tech. Univ. Sci. & Technol. (Japan)

Kyoto Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Kyoto Univ. (Japan)
Kyoto Univ. Fac. Sci. Mem. Ser. Phys. Astophys. Geophys. Chem.
See: Mem. Fac. Sci. Kyoto Univ. Ser. Phys. Astrophys. Geophys. Chem. (Japan)
Kyoto Univ. Inst. At. Energy Bull.
See: Bull. Inst. At. Energy Kyoto Univ. (Japan)
Kyoto Univ. Inst. At. Energy Tech. Rep.
See: Tech. Rep. Inst. At. Energy Kyoto Univ. (Japan)
Kyoto Univ. Inst. Chem. Res. Bull.
See: Bull. Inst. Chem. Res. Kyoto Univ. (Japan)
Kyoto Univ. Res. React. Inst. Annu. Rep.
See: Annu. Rep. Res. React. Inst. Kyoto Univ. (Japan)
Kyushu Daigaku Kogaku Shuho
See: Technol. Rep. Kyushu Univ. (Japan)
Kyushu Daigaku Seisan Kagaku Kenkyusho Hokoku
See: Rep. Res. Inst. Ind. Sci. Kyushu Univ. (Japan)
Kyushu Inst. Technol. Bull. (Sci. & Technol.)
See: Bull. Kyushu Inst. Technol. (Sci. & Technol.) (Japan)
Kyushu Inst. Technol. Bull. Math. Nat. Sci.
See: Bull. Kyushu Inst. Technol. Math. Nat. Sci. (Japan)
Kyushu Inst. Technol. Eng. Mem.
See: Mem. Kyushu Inst. Technol. Eng. (Japan)
Kyushu Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Kyushu Univ. (Japan)
Kyushu Univ. Fac. Sci. Mem. Ser. B
See: Mem. Fac. Sci. Kyushu Univ. Ser. B (Japan)
Kyushu Univ. Fac. Sci. Mem. Ser. C
See: Mem. Fac. Sci. Kyushu Univ. Ser. C (Japan)
Kyushu Univ. Res. Inst. Appl. Mech. Rep.
See: Rep. Res. Inst. Appl. Mech. (Japan)
Kyushu Univ. Res. Inst. Ind. Sci. Rep.
See: Rep. Res. Inst. Ind. Sci. Kyushu Univ. (Japan)
Kyushu Univ. Technol. Rep.
See: Technol. Rep. Kyushu Univ. (Japan)

Lab. Equip. Dig. (GB) (vol.7, no.12 Dec. 1969—)
Coden: LEQDA2 ISSN 0023-6829
Laboratory Equipment Digest Morgan-Grampian Ltd., 30 Calderwood Street, Woolwich, London SE18 6QH,, England

Lab. Microcomput. (GB) (vol.1, no.1 Spring 1982—)
Coden: LMICDI ISSN 0262-2955
Laboratory Microcomputer Science and Technology Letters, 12 Clarence Road, Kew, Surrey, England

Lab. Pract. (GB) (1968—)
Coden: LABPA3 ISSN 0023-6853
Laboratory Practice United Trade Press Ltd., 33/35 Bowling Green Lane, London EC1R ODA, England

Landis & Gyr Rev. (Switzerland) (no.2 1973—)
Coden: LGRVA7 ISSN 0304-5803
Landis & Gyr Review 6301 Zug, Switzerland

Large Scale Syst.-Theory & Appl. (Netherlands) (vol.1, no.1 Feb. 1980—)
Coden: LSSAD2 ISSN 0167-420X
Large Scale Systems - Theory and Applications North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Laser & Angew. Strahlentech. (Switzerland) (vol.3, no.1 March 1971—)
Coden: LSATAY
Laser und Angewandte Strahlentechnik Title changed to: Laser & Elektro-Opt. (Germany)

Laser & Elektro-Opt. (Germany) (vol.6, no.1 March 1974—)
Coden: LELOAA
Laser und Elektro-Optik Formerly: Laser & Angew. Strahlentech. (Switzerland) Title changed to: Laser & Optoelektron. (Germany)

Laser & Optoelektron. (Germany) (vol.14, no.1 April 1982—)
Coden: LAOPD3 ISSN 0344-5186
Laser und Optoelektronik Formerly: Laser & Elektro-Opt. (Germany)
AT-Fachverlag GmbH, Postfach 50 01 80, 7000 Stuttgart 50, Germany

Laser & Part. Beams (GB) (vol.1, pt.1 Feb. 1983—)
Coden: LPBEDA ISSN 0263-0346
Laser and Particle Beams Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, England

Laser Chem. (GB) (vol.1, no.6 1983—)
Coden: LSCHDB ISSN 0278-6273
Laser Chemistry Harwood Academic Publishers GmbH, c/o STBS, 42 William IV Street, London WC2N 4DE, England

Laser Focus (USA) (vol.4, no.19 Oct. 1968—)
Coden: LAFOAK ISSN 0275-1399
Laser Focus Merged with Electro-Opt. (USA) to form Laser Focus/Electro-Opt. (USA)

Laser Focus/Electro-Opt. (USA) (vol.19, no.10 Oct. 1983—)
Coden: LFEMDD ISSN 8755-1853
Laser Focus/Electro-Optics PennWell Publishing Co., Advanced Technology Group, 119 Russell Street, Littleton, MA 01460, USA. Formed by merger of Laser Focus (USA) and Electro-Opt. (USA)

Laser J. (China) (vol.8, no.2 Feb. 1981—)
Coden: CHIKDA ISSN 0023-8597
Laser Journal Title changed to: Chin. J. Lasers (China)

Lasers & Appl. (USA) (vol.3, no.9 Sept. 1984—)
ISSN 0733-303X
Lasers & Applications 23717 Hawthorne Boulevard, Suite 306, Torrance, CA 90505, USA

LASIE (Australia) (vol.9, no.4 Jan.-Feb. 1979—)
Coden: IBLEAS ISSN 0047-3774
LASIE (Information Bulletin of the Library Automated Systems Information Exchange) Formerly: Inf. Bull. Libr. Autom. Syst. Inf. Exch. (Australia) Title changed to: LASIE (Australia)

LASIE (Australia) (vol.11, no.1 July-Aug. 1980—)
Coden: IBLEAS ISSN 0047-3774
LASIE (Bulletin of LASIE Australia Company Limited) Formerly: LASIE (Australia)
Mr. Arne L. Pedersen, P.O.Box 602, Lane Cove, NSW 2066, Australia

Latv. PSR Zinat. Akad. Vestis (USSR) (1968—)
Coden: LZAVAL ISSN 0132-6422
Latvijas PSR Zinatnu Akademijas Vestis Fundamental Library, Academy of Sciences, 4 Komunala Street, Riga, USSR

Latv. PSR Zinat. Akad. Vestis Fiz. Teh. Zinat. Ser. (USSR) (1968—)
Coden: LZFTA6 ISSN 0321-1673
Latvijas PSR Zinatnu Akademijas Vestis, Fizikas un Tehnisko Zinatnu Serija Fundamental Library, Academy of Sciences, 4 Komunala Street, Riga, USSR

Law & Comput. Technol. (USA) (vol.4, no.3 May-June 1971—)
Coden: LACTAK
Law and Computer Technology Title changed to: Law/Technol. (USA)

Law/Technol. (USA) (vol.13, no.3 1980—)
Coden: LATEDT ISSN 0278-3916
Law/Technology Formerly: Law & Comput. Technol. (USA)
World Association of Lawyers of the World Peace Through Law Center, Section on Law/Technology, Suite 800, 1000 Connecticut Avenue, N.W., Washington, DC 20036, USA

Leeds Philos. & Lit. Soc. Proc.
See: Proc. Leeds Philos. & Lit. Soc. (GB)

Leg. Ref. Serv. Q. (USA) (vol.2, no.2 Summer 1982—)
Coden: LRSQD9 ISSN 0270-319X
Legal Reference Services Quarterly Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Leipzig Karl-Marx-Univ. Wiss. Z. Math.-Naturwiss. Reihe
See: Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Naturwiss. Reihe (Germany)

Leitz Sci. & Tech. Inf. (Germany) (vol.7, no.5 April 1979—)
Coden: LSTEDJ ISSN 0176-8603
Leitz Scientific and Technical Information Ernst Leitz Wetzler GmbH, Postfach 2020, D-6330 Wetzlar, Germany

Leningr. Univ. Vestn. Fiz. & Khim.
See: Vestn. Leningr. Univ. Fiz. & Khim. (USSR)

Leningr. Univ. Vestn. Ser. Mat. Mekh. & Astron.
See: Vestn. Leningr. Univ. Ser. Mat. Mekh. & Astron. (USSR)

Lett. Appl. & Eng. Sci. (GB) (vol.4, no.1 Feb. 1976—)
Coden: LAESBS
Letters in Applied & Engineering Sciences Merged with Int. J. Eng. Sci. (GB)

Lett. Heat & Mass Transfer (GB) (vol.1, no.1 July-Aug. 1974—)
Coden: LHMTBI ISSN 0094-4548
Letters in Heat and Mass Transfer Title changed to: Int. Commun. Heat & Mass Transfer (GB)

Lett. Math. Phys. (Netherlands) (vol.1, no.1 Dec. 1975—)
Coden: LMPHDY ISSN 0377-9017
Letters in Mathematical Physics D. Reidel Publishing Co., P.O. Box 17, 3300 AH Dordrecht, Netherlands

†**Lett. Nuovo Cimento (Italy)** (vol.1, no.1 Jan. 1969—)
Coden: LNUCAE ISSN 0024-1318
Lettere el Nuovo Cimento Editrice Compositore s.r.l., Viale XII Giugno 1, 40124 Bologna, Italy

LEW-Nachr. (Germany) (no.3—)
Coden: LEWNAS ISSN 0374-3691
LEW-Nachrichten Kombinat VEB LEW 'Hans Beimler', 1422 Henningsdorf, Germany

Libr. & Inf. Sci. (Japan) (no.10 1972—)
Coden: LIFSBL ISSN 0373-4447
Library and Information Science Mita Society of Library and Information Science, c/o School of Library and Information Science, Keio University, Mita, Minato-ku, Tokyo 108, Japan

Libr. Acquis. Pract. & Theory (GB) (vol.6, no.1 1982—)
Coden: LAPTDK ISSN 0364-6408
Library Acquisitions: Practice and Theory Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Libr. Comput. Equip. Rev. (USA) (vol.2, no.1 Jan.-June 1980—)
Coden: LCERD7 ISSN 0191-1295
Library Computer Equipment Review Title changed to: Comput. Equip. Rev. (USA)

Libr. Hi Tech (USA) (vol.2, no.1 1984—)
Coden: LIHTD2 ISSN 0737-8831
Library Hi Tech Pierian Press, P.O.Box 1808, Ann Arbor, MI 48106, USA

Libr. Micromation News (GB) (no.4 April 1984—)
Coden: LMNEEG ISSN 0262-7841
Library Micromation News Information Technology Centre, 309 Regent Street, London W1R 8AL, England

Libr. Q. (USA) (vol.42, no.1 Jan. 1972—)
Coden: LIBQAS ISSN 0024-2519
Library Quarterly University of Chicago Press, 11030 S. Langley Avenue, Chicago, IL 60628, USA

Libr. Resour. & Tech. Serv. (USA) (vol.16, no.1 Winter 1972—)
Coden: LRTSAH ISSN 0024-2527
Library Resources & Technical Services American Library Association, Resources and Technical Service Division, 1201-05 Bluff Street, Fulton, MO 65251, USA

Libr. Software Rev. (USA) (vol.3, no.1 March 1984—)
ISSN 0742-5759
Library Software Review Formerly: Software Rev. (USA)
Meckler Publishing, 520 Riverside Avenue, Westport, CT 06880, USA

Libr. Trends (USA) (vol.29, no.4 Spring 1981—)
Coden: LIBTA3 ISSN 0024-2594
Library Trends University of Illinois Graduate School of Library and Information Science, 249 Armory Building, 505 East Armory Street, Champaign, IL 61820, USA

Licht (Germany) (vol.31, no.1 1979—)
Coden: LCHTAP ISSN 0024-2861
Licht Formerly: Lichttechnik (Germany)
Dr. Alfred Huthig Verlag, 6900 Heidelberg 1, Postfach 10 28 69, Germany

Lichtbogen (Germany) (vol.18, no.150 Feb. 1969—)
Coden: LIBOAM ISSN 0024-2845
Der Lichtbogen Chemische Werke Huls AG, 4370 Marl, Kreis Recklinghausen, Germany

Lichttechnik (Germany) (1968—)
Coden: LITKAW
Lichttechnik Title changed to: Licht (Germany)

Liet. TSR Mokslu Akad. Darbai B Ser.(USSR) (no.3 1969—)
Coden: LMDBAL ISSN 0132-2729
Lietuvos TSR Mokslu Akademijos Darbai, B Serija Vilnius, Lenino pr. 3, USSR

† indicates a journal abstracted completely

Light & Light. & Environ. Des. (GB) (vol.71, no.1 Jan.-Feb. 1978—)
Coden: LLEDDS
Light and Lighting and Environmental Design Formerly: Light & Light. (GB). Merged with Build Serv. Eng. (GB) to form J. Chart. Inst. Build. Serv. (GB)

Light & Light. (GB) (1968—)
Coden: LILIAK
Light and Lighting Title changed to: Light & Light. & Environ. Des. (GB)

Light. Aust. (Australia) (vol.1, no.1 Aug. 1981—)
Coden: LIAUD4 ISSN 0728-3415
Lighting in Australia Formerly: IES Light. Rev. (Australia)
Rala Publications, Suite 503, 84 Pitt Street, Sydney, NSW 2000, Australia

Light. Equip. News (GB) (vol.3, no.5 May 1969—)
Coden: LIENAY ISSN 0024-3418
Lighting Equipment News Troup Publications, Maclean Hunter Ltd., 30 Old Burlington Street, London, W1X 2AE, England

Light. Res. & Technol. (GB) (vol.1, no.2 1969—)
Coden: LRTEA9 ISSN 0024-3426
Lighting Research and Technology Lighting Division, Chartered Institution of Building Services, 49 Cadogan Square, London SW1X 0JB, England

Linde Rep. Sci. & Technol. (Germany) (no.20 1974—)
Coden: LRSTAF ISSN 0024-3736
Linde Reports on Science and Technology Linde Aktiengesellschaft, Abraham Lincoln-Strasse 21, D-6200 Wiesbaden, Germany

Linear Algebra & Appl. (USA) (1968—)
Coden: LAAPAW ISSN 0024-3795
Linear Algebra and its Applications Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Litov. Fiz. Sb. (USSR) (1968—)
Coden: LFRMA7 ISSN 0024-2969
Litovskii Fizicheskii Sbornik Lietvos TSR Mokslu Akademijos Centrine Biblioteka, Pozelos G-VE 54, 232600 Vilnius, USSR [English translation in: *Sov. Phys.-Collect. (USA)*]

Ljuskultur (Sweden) (1968—)
Coden: LJUSAY ISSN 0024-5429
Ljuskultur Publication address: Skeppargatan 27, Box 5512, 11485 Stockholm, Sweden

LKB News Sci. Tools (Sweden) (Autumn 1983—)
Coden: LKBNE3 ISSN 0036-8598
LKB News with Science Tools LKB Produckter Fabriksaktiebolag, P.O.Box 76, Stockholm-Bromma, Sweden

Lloyds Bank Rev. (GB) (no.148 April 1983—)
Coden: LLBRAI ISSN 0024-547X
Lloyds Bank Review 71 Lombard Street, London EC3P 3BS, England

LMG Rep. Data & Word Process. Libr. (Canada) (vol.2, no.4 Nov. 1981—)
Coden: LRDLDL ISSN 0227-2636
LMG Report on Data and Word Processing for Libraries Library Management Group Inc., Box 251, New Westminster, B.C. V3L 4X6, Canada

Logist. & Transp. Rev. (Canada) (vol.8, no.1 1972—)
Coden: LGTRA5 ISSN 0047-4991
Logistics and Transportation Review Faculty of Commerce, University of British Columbia Vancouver V6T 1W5, Canada

Low Temp. Sci. Ser. A (Japan) (1970—)
Coden: TEKAAH ISSN 0439-3538
Low Temperature Science Series A, Physical Sciences Institute of Low Temperature Science, Hokkaido University, Sapporo, Japan

Lucas Eng. Rev. (GB) (1968—)
Coden: LEGRAS ISSN 0024-7170
Lucas Engineering Review Joseph Lucas Ltd., Great King Street, Birmingham B19 2XF, England

Lucr. ICPE (Rumania) (no.19 1968—)
Coden: LICPAU ISSN 0250-3034
Lucrarile ICPE Institut de Cercetare si Projectare Pentru Industria Electrotehnica, Bd. T. Vladirnirescu No. 45-47, Raionul V.I. Lenin, Bucuresti, Rumania

Luft- & Kaeltetech. (Germany) (vol.7, no.2 April 1971—)
Coden: LUKAA7 ISSN 0024-7251
Luft- und Kaltetechnik VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

M.A.N. Res. Eng. Manuf. (Germany) (no.1 1971—)
Coden: MANEB8 ISSN 0374-3802
M.A.N. Research Engineering Manufacturing Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft, D 89 Augsburg, Germany

Mach. & Prod. Eng. (GB) (1968—)
Coden: MPREAU ISSN 0024-919X
Machinery and Production Engineering Findlay Pulications Ltd., Franks Hall, Horton Kirby, Kent DA4 9LL, England

Mach. & Tool. (GB) (vol.40, no.4 1969—)
Coden: MCTOAD ISSN 0024-922X
Machines and Tooling Merged with Russ. Eng. J. (GB) to form Sov. Eng. Res. (GB)

Mach. Des. (USA) (vol.49, no.23 6 Oct. 1977—)
Coden: MADEAP ISSN 0024-9114
Machine Design Penton/IPC Inc., Penton Plaza, Cleveland, OH 44114, USA

Mach. Lloyd Int. (GB) (vol.46 May 1974—)
Coden: MLINCK ISSN 0024-9203
Machinery Lloyd International Formerly: Mach. Lloyd Int. Rev. Eng. Equip. (GB) Title changed to: Int. Ind. (GB)

Mach. Lloyd Int. Rev. Eng. Equip. (GB) (1968—)
Coden: MLEEA5
Machinery Lloyd International Review of Engineering Equipment Title changed to: Mach. Lloyd Int. (GB)

Macromol. Rev. (USA) (vol.13 1978—)
Coden: MCMRAL ISSN 0076-2083
Macromolecular Reviews Formerly: J. Polym. Sci. Macromol. Rev. (USA) John Wiley & Son Inc., 605 Third Avenue, New York, NY 10016, USA

Mag. Bank Adm. (USA) (vol.58, no.12 Dec. 1982—)
Coden: MBAAA5 ISSN 0024-9823
Magazine of Bank Administration Bank Administration Institute, 60 Gould Center, Rolling Meadows, IL 60008, USA

Mag. Concr. Res. (GB) (1968—)
Coden: MCORAV ISSN 0024-9831
Magazine of Concrete Research Cement & Concrete Association, Wexham Springs, Slough SL3 6PL, England

Magdeburg Otto von Guericke Tech. Hochsch. Wiss. Z.
See: Wiss. Z. Tech. Hochsch. Otto von Guericke Magdeburg (Germany)

Magn. Gidrodin. (USSR) (1968—)
Coden: MAGIAI ISSN 0025-0015
Magnitnaya Gidrodinamika Akademiya Nauk Latviiskoi SSR, 'Zinatne', ul Smilshu 1, Riga 47, USSR [English translation in: *Magnetohydrodynamics (USA)*]

Magn. Resonance Imaging (GB) (vol.2, no.1 1984—)
Coden: MRIMDQ ISSN 0730-725X
Magnetic Resonance Imaging Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Magn. Resonance Rev. (GB) (vol.1, no.4 Oct. 1972—)
Coden: MRSRBL ISSN 0097-7330
Magnetic Resonance Review Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†**Magnetohydrodynamics (USA)** (vol.3, no.3 Fall 1967—)
Coden: MGHDAG ISSN 0024-998X
Magnetohydrodynamics [Translation of: *Magn. Gidrodin. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Magy. Fiz. Foly. (Hungary) (1968—)
Coden: MGFFAC ISSN 0025-0104
Magyar Fizikai Folyoirat Alkotmany Utca 21 sz., 1363 Budapest 5, Hungary

Magy. Geofiz. (Hungary) (vol.20, no.6 1979—)
Coden: MAGFA9 ISSN 0025-0120
Magyar Geofizika Lapkiado Vallalat, 1073 Budapest, Lenin korut 9-11, Hungary

Manage. & Inf. (Italy) (vol.19, no.1 Jan. 1980—)
Coden: MNGIDA ISSN 0391-6588
Management e Informatica Franco Angeli Editore, Viale Monza 106, 20127 Milano, Italy

Manage. Account. (USA) (Oct. 1983—)
Coden: MGACBD ISSN 0025-1690
Management Accounting National Association of Accountants, 919 Third Avenue, New York, NY 10022, USA

Manage. Datamatics (Netherlands) (vol.4, no.1 Feb. 1975—)
Coden: MADADG
Management Datamatics Formerly: Manage. Inf. (Netherlands) Title changed to: Inf. & Manage. (Netherlands)

Manage. Decis. (GB) (vol.4, no.1 Spring 1970—)
Coden: MANDA4
Management Decision MCB University Press Ltd., 198-200 Keighley Road, Bradford, West Yorks. BD9 4JQ, England

Manage. Focus (USA) (vol.30, no.5 Sept.-Oct. 1983—)
Coden: MAFOEZ ISSN 0193-8266
Management Focus Peat, Marwick, Mitchell & Co., 345 Park Avenue, New York, NY 10154, USA

Manage. Gov. (GB) (vol.37, no.1 Feb. 1982—)
Coden: MAGOD5 ISSN 0307-8558
Management in Government Formerly: Manage. Serv. Gov. (GB)
HMSO, P.O.Box 569, London SE1 9NH, England

Manage. Ind. (GB) (vol.1, no.3 May 1983—)
Coden: MAINED ISSN 0265-038X
Management in Industry Institution of Industrial Managers, Industrial Management House, 45 Cardiff Road, Luton, Beds. LU1 1RQ, England. Executive Journals Ltd., 182-184 Campden Hill Road, London W8 7TT

†**Manage. Inf. (GB)** (vol.2, no.1 Aug. 1981—)
Coden: MGINDK
Managing Information 55 Fleet Street, London EC4Y 1LQ, England

Manage. Inf. (Netherlands) (vol.1, no.1 Feb. 1972—)
Coden: MGIFAR
Management Informatics Formerly: IAG J. (Netherlands) Title changed to: Manage. Datamatics (Netherlands)

†**Manage. Inf. Syst. Q. (USA)** (vol.6, no.1 March 1982—)
Coden: MISQDP ISSN 0276-7783
Management Information Systems Quarterly Society for Management Information Systems, 111 East Wacker Drive, Chicago, IL 60601, USA

Manage. Rev. & Dig. (GB) (1983—)
Coden: MRDGAE ISSN 0307-3580
Management Review & Digest British Institute of Management Foundation, Management House, Parker Street, London WC2B 5PT, England

Manage. Rev. (GB) (10 Nov. 1983—)
Coden: MARVEE ISSN 0266-3252
Management Review Issued with: *Comput. Wkly. (GB)*

Manage. Sci. (USA) (vol.6, no.3 Nov. 1969—)
Coden: MSCIAM ISSN 0025-1909
Management Science Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903, USA

Manage. Serv. (GB) (vol.20, no.1 Jan. 1976—)
Coden: MASEDZ ISSN 0307-6768
Management Services Formerly: Work Study & Manage. Serv. (GB)
Institute of Management Services, 1 Cecil Court, London Road, Enfield, Middx EN2 6DD, England

Manage. Serv. Gov. (GB) (vol.29, no.1 Feb. 1974—)
Coden: MNSGBS
Management Services in Government Formerly: O & M Bull. (GB) Title changed to: Manage. Gov. (GB)

Manage. World (USA) (vol.12, no.3 April 1983—)
Coden: MAWOEI ISSN 0090-3825
Management World Administrative Management Society, 2360 Maryland Road, Willow Grove, PA 19090, USA

Manuf. Chem. (GB) (vol.55, no.3 March 1984—)
Coden: MACSAS ISSN 0262-4230
Manufacturing Chemist Morgan-Grampian (Process Press) Ltd., 30 Calderwood Street, Woolwich, London SE18 6QH, England

Mar. Behav. & Physiol. (GB) (vol.1, no.1 April 1972—)
Coden: MBPHAX ISSN 0091-181X
Marine Behaviour and Physiology Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Mar. Geod. (USA) (vol.8, no.1-4 1984—)
Coden: MAGED9 ISSN 0149-0419
Marine Geodesy Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Mar. Geophys. Res. (Netherlands) (vol.1, no.1 Aug. 1970—)
Coden: MGYRA7 ISSN 0025-3235
Marine Geophysical Researches D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Mar. Pollut. Bull. (GB) (vol.9, no.1 Jan. 1978—)
Coden: MPNBAZ ISSN 0025-326X
Marine Pollution Bulletin Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Mar. Technol. Soc. J. (USA) (vol.4, no.1 Jan.-Feb. 1970—)
Coden: MTSJBB ISSN 0025-3324
Marine Technology Society Journal 2000 Florida Avenue, N.W., Suite 500, Washington, DC 20009, USA

Marconi Rev. (GB) (1968—)
Coden: MARVAA ISSN 0025-2883
Marconi Review Title changed to: GEC J. Res. Incorp. Marconi Rev. (GB)

Marelli (Italy) (1968—)
Coden: MARLAE
Marelli Title changed to: Ercole Marelli (Italy)

Mark. News (USA) (vol.18, no.1 6 Jan. 1984—)
Coden: MKNWAT ISSN 0025-3790
Marketing News International Headquarters of the American Marketing Association, Suite 200, 250 S. Wacker Drive, Chicago, IL 60606, USA

Marketing (GB) (vol.13, no.12 23 June 1983—)
Coden: MARKBC ISSN 0025-3650
Marketing Marketing Publications Ltd., 22 Lancaster Gate, London W2 3LY, England

Maschinenschaden (Germany) (vol.41, no.6 1968—)
Coden: MSCNA3 ISSN 0025-4517
Der Maschinenschaden Allianz Versicherungs-AG, Koniginstrasse 28, Postfach 24, D-8000 Munchen 44, Germany

Mass Spectrosc. (Japan) (1968—)
Coden: SHIBAK ISSN 0542-8645
Mass Spectroscopy Mass Spectroscopy Society of Japan, c/o Department of Chemistry, Faculty of Liberal Arts and Sciences, University of Osaka Prefecture, Sakai-shi, Osaka, Japan

Mat. Apl. & Comput. (Brazil) (vol.3, no.1 1984—)
ISSN 0101-8205
Matematica Aplicada e Computacional (Computational and Applied Mathematics) Sociedade Brasileira de Matematica Aplicada e Computacional, Rua Lauro Muller, 455 Botafogo, CEP 22290 Rio de Janeiro, Brazil

Mat. Cas. (Czechoslovakia) (1968—)
Coden: MACAB9
Matematicky Casopis Title changed to: Math. Slovaca (Czechoslovakia)

Mat. Fiz. & Nelineinaya Mekh. (USSR) (no.35 1984—)
Matematicheskaya Fizika i Nelineinaya Mekhanika Formerly: Mat. Fiz. (USSR)
Izdatel'stvo 'Naukova Dumka', 252601 Kiev 4, Ul. Repina 3, USSR

Mat. Fiz. (USSR) (no.11 1972—)
Coden: MAFIAD ISSN 0542-9986
Matematischeskaya Fizika Title changed to: Mat. Fiz. & Nelineinaya Mekh. (USSR)

Mat. Lapok (Hungary) (vol.27, no.3-4 1976-1979—)
Coden: MTLPAR ISSN 0025-519X
Matematikai Lapok Akademiai Kiado, 1054 Budapest, Alkotmany utca 21, Hungary

Mat.-Fys. Medd. Dan. Vidensk. Selsk. (Denmark) (vol.39, no.8 1975—)
Coden: KDVSAK ISSN 0023-3323
Matematisk-Fysiske Meddelelser Konglige Danske Videnskabernes Selskab Formerly: K. Dan. Vidensk. Selsk. Mat.-Fys. Medd. (Denmark)
Royal Danish Academy of Sciences, H.C. Andersen Boulevard 35, DK-1553 Copenhagen V, Denmark

Mater. Chem. & Phys. (Switzerland) (vol.8, no.1 Jan. 1983—)
Coden: MCHPDR ISSN 0254-0584
Materials Chemistry and Physics Elsevier Sequoia S.A., P.O.Box 851, 1001 Lausanne 1, Switzerland

†**Mater. Eval. (USA)** (1968—)
Coden: MAEVAD ISSN 0025-5327
Materials Evaluation Society for Nondestructive Testing, 3200 Riverside Drive, Columbus, OH 43221, USA

Mater. Flow (Netherlands) (vol.1, no.1 May 1982—)
Coden: MATFD9 ISSN 0167-1936
Material Flow Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Mater. Handl. Eng. (USA) (vol.24, no.2 Feb. 1969—)
Coden: MHENA4 ISSN 0025-5262
Material Handling Engineering Penton/IPC Inc., 614 Superior Avenue West, Cleveland, OH 44113, USA

Mater. Lett. (Netherlands) (vol.1, no.1 June 1982—)
Coden: MLETDJ ISSN 0167-577X
Materials Letters North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Mater. Performance (USA) (vol.23, no.1 Jan. 1984—)
Coden: MTPFBI ISSN 0094-1492
Materials Performance National Association of Corrosion Engineers, 1440 South Creek, Houston, TX 77084, USA

Mater. Res. & Stand. (USA) (1968—)
Coden: MTRSAW
Materials Research and Standards Title changed to: ASTM Stand. News (USA)

Mater. Res. Bull. (USA) (1968—)
Coden: MRBUAC ISSN 0025-5408
Materials Research Bulletin Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, USA

†**Mater. Sci. & Eng. (Switzerland)** (1968—)
Coden: MSCEAA ISSN 0025-5416
Material Science and Engineering Elsevier Sequoia S.A., P.O. Box 851, 1001-Lausanne 1, Switzerland

Mater. Sci. (Poland) (vol.3, no.1-2 1977—)
Coden: MSCJDS ISSN 0137-1339
Materials Science Wydawnictwo Politechniki Wroclawskiej, Wybreze Wyspianskiego 27, 50-370 Wroclaw, Poland

†**Mater. Test. (Germany)** (vol.10, no.12 Dec. 1968—)
Coden: MTPRAJ ISSN 0025-5300
Materials Testing VDI-Verlag GmbH, Graf-Recke-Strasse 84, Postfach 1139, 4 Dusseldorf 1, Germany

Math. & Comput. Educ. (USA) (vol.16, no.1 Winter 1982—)
Coden: MCEDDA ISSN 0730-8639
Mathematics and Computer Education c/o Department of Mathematics and Computer Processing, Nassau Community College, Garden City, LI 11530, USA

Math. & Comput. Simulation (Netherlands) (vol.19, no.1 March 1977—)
Coden: MCSIDR ISSN 0378-4754
Mathematics and Computers in Simulation Formerly: Trans. Int. Assoc. Math. & Comput. Simulation (Belgium)
North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Math. Balk. (Yugoslavia) (no.1 1972—)
Coden: MTMBBP
Mathematica Balkanica Beograd, pp 550, Studentski trg 16, Yugoslavia

Math. Biosci. (USA) (1968—)
Coden: MABIAR ISSN 0025-5564
Mathematical Biosciences Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

†**Math. Comput. (USA)** (1968—)
Coden: MCMPAF ISSN 0025-5718
Mathematics of Computation Published for the National Academy of SciencesNational Research Council by the American Mathematical Society, P.O. Box 6248, Providence, RI 02904, USA

Math. Modelling (USA) (vol.2, no.1 1981—)
Coden: MAMODZ ISSN 0270-0255
Mathematical Modelling Pergamon Press Inc., Fairview Park, Elmsford, NY 10523, USA

Math. Numer. Sin. (China) (vol.3, no.1 1981—)
Coden: JSUXDP ISSN 0254-7791
Mathematica Numerica Sinica Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

†**Math. Oper. Res. (USA)** (vol.1, no.3 Aug. 1976—)
Coden: MOREDQ ISSN 0364-765X
Mathematics of Operations Research Operations Research Society of America, Business Office, 428 East Preston Street, Baltimore, MD 21202, USA. The Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903

Math. Operationsforsch. & Stat. (Germany) (vol.4, no.1 Jan.-Feb. 1973—)
Coden: MTOSBI
Mathematische Operationsforschung und Statistik Title changed to: Math. Operationsforsch. & Stat. Ser. Stat. (Germany)

Math. Operationsforsch. & Stat. Ser. Optimiz. (Germany) (vol.8, no.2 1977—)
Coden: OPTZDQ ISSN 0323-3898
Mathematische Operationsforschung und Statistik Series Optimization Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany

Math. Operationsforsch. & Stat. Ser. Stat. (Germany) (vol.8, no.2 1977—)
Coden: MOSSD5 ISSN 0323-3944
Mathematische Operationsforschung und Statistik Series Statistics Formerly: Math. Operationsforsch. & Stat. (Germany)
Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany

Math. Proc. Cambridge Philos. Soc. (GB) (vol.77, pt.1 Jan. 1975—)
Coden: MPCPCO ISSN 0305-0041
Mathematical Proceedings of the Cambridge Philosophical Society Formerly: Proc. Cambridge Philos. Soc. (GB)
Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

†**Math. Program. (Netherlands)** (vol.6, no.1 Feb. 1974—)
Coden: MHPGA4 ISSN 0025-5610
Mathematical Programming North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Math. Program. Stud. (Netherlands) (no.4 Dec. 1975—)
Coden: MPSTDF ISSN 0303-3929
Mathematical Programming Studies North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Math. Rep. Toyama Univ. (Japan) (vol.3 1980—)
Coden: MRTUD3 ISSN 0386-832X
Mathematics Reports Toyama University Department of Mathematics, Faculty of Science, Toyama University, Gofuku, Toyama 930, Japan

Math. Slovaca (Czechoslovakia) (vol.26, no.1 1976—)
Coden: MASLDM ISSN 0025-5173
Mathematica Slovaca Formerly: Mat. Cas. (Czechoslovakia)
Publishing House VEDA of the Slovak Academy of Sciences, 895 30 Bratislava, Klemensova 19, Czechoslovakia

Math. Soc. Sci. (Netherlands) (vol.1, no.1 Sept. 1980—)
Coden: MSOSDD ISSN 0165-4896
Mathematical Social Sciences North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Math. Spectrum (GB) (vol.4, no.1 1971—)
Coden: MSPEB8 ISSN 0025-5653
Mathematical Spectrum Applied Probability Trust. Editorial address: Hicks Building, The University, Sheffield, S3 7RH, England

†**Math. Syst. Theory (USA)** (vol.2, no.1 March 1968—)
Coden: MASTBA ISSN 0025-5661
Mathematical Systems Theory Springer Verlag New York, 175 Fifth Avenue, New York, NY 10010, USA

Matrix & Tensor Q. (GB) (1968—)
Coden: MATQA5 ISSN 0025-5998
Matrix and Tensor Quarterly Tensor Society of Great Britain, The Lyon Playfair Library, Imperial College, London SW7 2AZ, England

Mausam (India) (vol.30, no.1 Jan. 1979—)
Coden: MAUSDJ ISSN 0252-9416
Mausam Formerly: Indian J. Meteorol. Hydrol. & Geophys.
India Meteorological Department. Publication address: Controller of Publications, Civil Lines, Delhi-110054, India

Meas. & Control (GB) (1968—)
Coden: MEACBX ISSN 0020-2940
Measurement and Control Institute of Measurement & Control, 20 Peel Street, London, W8 7PD, England

Meas. & Insp. Technol. (GB) (vol.1, no.2 July 1979—)
Coden: MINTD9 ISSN 0143-4020
Measurement and Inspection Technology Title changed to: Qual. Today (GB)

Meas. Tech. (USA) (no.6 June 1967—)
Coden: MSTCAL ISSN 0543-1972
Measurement Techniques [Translation of: *Izmer. Tekh. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

† indicates a journal abstracted completely

Meccanica (Italy) (vol.3, no.1 March 1968—)
Coden: MECCB9 ISSN 0025-6455
Meccanica Pitagora Editrice, via Zamboni 57, 40126 Bologna, Italy

Mech. & Corros. Prop. Ser. A (Switzerland) (vol.A1 1982—)
Coden: MEPAD2 ISSN 0252-1059
Mechanical and Corrosion Properties, Series A (Key Engineering Materials) Trans Tech S.A., Trans Tech House, CH-4711 Aedermannsdorf, Switzerland

Mech. & Corrosion Prop. Ser. B (Switzerland) (vol.B1 1982—)
Coden: MCPBDP ISSN 0252-1067
Mechanical and Corrosion Properties, Series B (Single Crystal Properties) Trans Tech S.A., Trans Tech House, CH-4711 Aedermannsdorf, Switzerland

Mech. & Mach. Theory (GB) (vol.7, no.1 Spring 1972—)
Coden: MHMTAS ISSN 0094-114X
Mechanism and Machine Theory Formerly: J. Mech. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†**Mech. Autom. Adm. (Czechoslovakia)** (vol.13, no.1 1973—)
Coden: MAUAAU ISSN 0322-8452
Mechanizace Automatizace Administrativy SNTL, 113 02 Praha 1, Spalena 51, Czechoslovakia

Mech. Compos. Mater. (USA) (vol.15, no.1 Jan.-Feb. 1979—)
Coden: MCMAD7 ISSN 0191-5665
Mechanics of Composite Materials Formerly: Polym. Mech. (USA)
[Translation of: *Mekh. Kompozitnykh Mater. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Mech. Eng. (USA) (1968—)
Coden: MEENAH ISSN 0025-6501
Mechanical Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Mech. Eng. Bull. (India) (vol.10, no.4 Dec. 1979—)
Coden: MEGBBQ ISSN 0379-5527
Mechanical Engineering Bulletin Central Mechanical Engineering Research Institute, Durgapur 713209, India

Mech. Eng. Lab. Bull.
See: Bull. Mech. Eng. Lab. (Japan)

Mech. Eng. Lab. J.
See: J. Mech. Eng. Lab. (Japan)

Mech. Eng. Technol. (GB) (vol.4, no.1 Jan. 1984—)
Coden: METYDQ ISSN 0261-7188
Mechanical Engineering Technology Institution of Technician Engineers in Mechanical Engineering, 3 Birdcage Walk, Westminster, London SW1H 9JJ, England

Mech. Mater. (Netherlands) (vol.1, no.1 Jan. 1982—)
Coden: MSMSD3 ISSN 0167-6636
Mechanics of Materials North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Mech. Res. Commun. (GB) (vol.1, no.2 1974—)
Coden: MRCOD2 ISSN 0093-6413
Mechanics Research Communications Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Mech. Solids (USA) (vol.14, no.2 1979—)
Coden: MESOBN ISSN 0025-6544
Mechanics of Solids [Translation of: *Izv. Akad. Nauk SSSR Mekh. Tverd. Tela*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Mech. Teor. & Stosow. (Poland) (vol.6, no.4 1968—)
Coden: MTYSAX ISSN 0079-3701
Mechanika Teoretyczna i Stosowana Polska Akademia Nauk, 00-049 Warszawa, Ut. Swietokrzyska 21, Poland

MED (Media Educ. & Dev.) (GB) (vol.14, no.4 Dec. 1981—)
Coden: MDETDV ISSN 0013-1970
MED (Media in Education and Development) Formerly: EBI (Educ. Broadcast. Int.) (GB) Title changed to: Media Educ. & Dev. (GB)

†**Med. & Biol. Eng. & Comput. (GB)** (vol.15, no.1 Jan. 1977—)
Coden: MBECDY ISSN 0140-0118
Medical & Biological Engineering & Computing Formerly: Med. & Biol. Eng. (GB)
Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Med. & Biol. Eng. (GB) (1968—)
Coden: MBENAU
Medical and Biological Engineering Title changed to: Med. & Biol. Eng. & Comput. (GB)

Med. Inf. (GB) (vol.1, no.1 April 1976—)
Coden: MINFDZ ISSN 0307-7640
Medical Informatics - Medecine et Informatique Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Med. Instrum. (USA) (vol.7, no.3 May-Aug. 1973—)
Coden: MLISBY ISSN 0090-6689
Medical Instrumentation Formerly: J. Assoc. Adv. Med. Instrum. (USA)
Association for the Advancement of Medical Instrumentation, 1901 North Fort Myer Drive, Suite 602, Arlington, VA 22209, USA

Med. Libr. Assoc. Bull.
See: Bull. Med. Libr. Assoc. (USA)

†**Med. Phys. (USA)** (vol.1, no.1 1974—)
Coden: MPHYA6 ISSN 0094-2405
Medical Physics Published for the American Association of Physicists in Medicine by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Med. Prog. Technol. (Germany) (vol.2, no.2 1974—)
Coden: MDPTBG ISSN 0047-6552
Medical Progress Technology Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Med. Radiol. (USSR) (vol.26, no.7 July 1981—)
Coden: MERAA9 ISSN 0025-8334
Meditsinskaya Radiologiya Editorial address: 117819 GSP-7, Moskva V-246, USSR

Med. Ref. Serv. Q. (USA) (vol.2, no.1 Spring 1983—)
Coden: MRSQDK ISSN 0276-3869
Medical Reference Services Quarterly Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Med. Res. Eng. (USA) (vol.7, no.2 1968—)
Coden: MDREBF ISSN 0025-7508
Medical Research Engineering Medical-Research-Technology, Woods Road, Great Notch, Little Falls, NJ 07424, USA

Med. Tekh. (USSR) (vol.6, no.1 Jan.-Feb. 1972—)
Coden: MEDTBV ISSN 0047-6617
Meditsinskaya Tekhnika Editorial address: All-Union Scientific-Research Institute of Medical Instruments, Moscow, USSR [English translation in: *Biomed. Eng. (USA)*]

Meded. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium) (1968—)
Coden: MKAWAW
Mededelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie Paleis der Academien, Hertogsstraat 1, B-1000 Bruxelles, Belgium

Media Educ. & Dev. (GB) (vol.15, no.1 March 1982—)
Coden: MDETDV ISSN 0262-0251
Media in Education and Development Formerly: MED (Media Educ. & Dev.) (GB)
Published for the British Council by Peter Peregrinus Ltd., P.O.Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Medicamundi (Netherlands) (vol.14, no.2—)
Coden: MEMUAA ISSN 0025-7664
Medicamundi Philips Gloeilampenfabrieken, Eindhoven, Netherlands

Medicor News (Hungary) (no.3 1977—)
Coden: MENED4 ISSN 0133-5960
Medicor News Publicity Department, P.O. Box 150, 1389 Budapest 62, Hungary

Mehran Univ. Res. J. Eng. & Technol. (Pakistan) (vol.1, no.3 July 1982—)
Coden: MURTDB ISSN 0254-7821
Mehran University Research Journal of Engineering and Technology Jamshoro, Sind, Pakistan

Meidai Uchusen Kenkyushitsu Kiji
See: Proc. Cosmic-Ray Res. Lab. Nagoya Univ. (Japan)

Meiden Rev. (Int. Ed.) (Japan) (no.2 1974—)
Coden: MREVDX ISSN 0025-8741
Meiden Review (International Edition) Formerly: Meidensha Rev. (Int. Ed.) (Japan)
Meidensha Electric Manufacturing Co. Ltd., New Ohtemachi Building, 2-1, 2-chome, Ohte-machi, Chiyoda-ku, Toyko, Japan

Meidensha Rev. (Int. Ed.) (Japan) (ser. 34, no. 2 1970—)
Coden: MRIEAX
Meidensha Review (International Edition) Title changed to: Meiden Rev. (Int. Ed.) (Japan)

Meiji Daigaku Kogakubu Kenkyu Hokoku
See: Res. Rep. Fac. Eng. Meiji Univ. (Japan)

Meiji Univ. Fac. Eng. Res. Rep.
See: Res. Rep. Fac. Eng. Meiji Univ. (Japan)

Meijyo Univ. Fac. Sci. & Technol. Rep.
See: Res. Rep. Fac. Sci. & Technol. Meijyo Univ. (Japan)

Mekh. & Avtom. Proizvod. (USSR) (1968—)
Coden: MAVPAC ISSN 0025-8873
Mekhanizatsiya i Avtomatizatsiya Proizvodstva Editorial address: Moskva K51, Tuonya ul. d 17, USSR

Mekh. & Avtom. Upr. (USSR) (no.2 March 1969—)
Coden: MAUPA7 ISSN 0543-4149
Mekhanizahriya i Avtomahzatsiya Upravleniya Editorial address: 252171 Kiev, ul. Gor'kogo 180, USSR

Mekh. Kompozitnykh Mater. (USSR) (vol.14, no.1 Jan.-Feb. 1979—)
Coden: MKMADT
Mekhnika Kompozitnykh Materialov Formerly: Mekh. Polim. (USSR)
Latvian Academy of Sciences, Riga, USSR [English translation in: *Mech. Compos. Mater. (USA)*]

Mekh. Polim. (USSR) (1968—)
Coden: MKPLA6
Mekhanika Polimerov Title changed to: Mekh. Kompozitnykh Mater. (USSR)

Mekh. Tverd. Tela (USSR) (no.4 1972—)
Coden: MTVTBM ISSN 0321-1975
Mekhanika Tverdogo Tela Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Mem. & Etud. Sci. Rev. Metall. (France) (vol.77, no.5 May 1980—)
Coden: MESMDJ ISSN 0245-8292
Memoires et Etudes Scientifiques de la Revue de Metallurgie Formerly: Mem. Sci. Rev. Metall. (France)
1-5 rue Paul Cezanne, 75008 Paris, France

Mem. Astron. Soc. India (vol.1 Sept. 1979—)
Coden: MASIDD
Memoirs of the Astronomical Society of India Issued with: *Bull. Astron. Soc. India*

Mem. B.R.G.M. (France) (no.110—)
Coden: FRGMA4 ISSN 0071-8246
Memoire du B.R.G.M Bureau de Recherches Geologiques et Minieres, B.P. 6009, 45060 Orleans Cedex, France

Mem. Chubu Inst. Technol. (Japan) (vol.3 Nov. 1967—)
Coden: CHUMA5 ISSN 0386-1732
Memoirs Chubu Institute of Technology Publications Office, Chuba Institute of Technology, Kasugai, Nagoya-sub, 487, Japan

Mem. Cl. Sci. Acad. R. Belg. (8) (Belgium) (1968—)
Coden: ABSCA3
Memoires de la Classe des Sciences de l'Academie Royal de Belgique (Collection in 8) Palais des Academies, Rue Ducale 1, Bruxelles, Belgium

Mem. Def. Acad. (Japan) (1968—)
Coden: MDPCAW
Memoirs of the Defense Academy Title changed to: Mem. Natl. Def. Acad. (Japan)

Mem. Fac. Eng. Fukui Univ. (Japan) (vol.32, no.1 1984—)
Coden: FDKHAD ISSN 0429-8373
Memoirs of the Faculty of Engineering, Fukui University 3-9-1 Bunkyo, Fukui-shi, Fukui 910, Japan

Mem. Fac. Eng. Hiroshima Univ. (Japan) (vol.4, no.1 Jan. 1970—)
Coden: MFEHA6 ISSN 0073-2311
Memoirs of the Faculty of Engineering, Hiroshima University 3-chome Sendamachi, Hiroshima City, Japan

Mem. Fac. Eng. Hokkaido Univ. (Japan) (1968—)
Coden: MEHUAJ ISSN 0368-9379
Memoirs of the Faculty of Engineering, Hokkaido University North 12, West 8, Sapporo, Japan

Mem. Fac. Eng. Kobe Univ. (Japan) (no.15 1969—)
Coden: MFEKAF ISSN 0368-9638
Memoirs of the Faculty of Engineering, Kobe University Rokkodai-cho, Nada-ku, Kobe, Japan

Mem. Fac. Eng. Kumamoto Univ. (Japan) (vol.15, no.1 Dec. 1968—)
Coden: MEKMAA ISSN 0023-5334
Memoirs of the Faculty of Engineering, Kumamoto University University of Kumamoto, Faculty of Engineering, Kumamoto, Japan

Mem. Fac. Eng. Kyoto Univ. (Japan) (1968—)
Coden: MEKYAC ISSN 0023-6063
Memoirs of the Faculty of Engineering, Kyoto University Kyoto, Japan

Mem. Fac. Eng. Kyushu Univ. (Japan) (1968—)
Coden: MEKSAS ISSN 0023-6160
Memoirs of the Faculty of Engineering, Kyushu University Dean of the Faculty of Engineering, Kuyshu University 36, 6-10-1 Hakozaki, Higashi-ku, Fukuoka 812, Japan

Mem. Fac. Eng. Miyazaki Univ. (Japan) (no.14 March 1984—)
Coden: MYFMAN
Memoirs of the Faculty of Engineering, Miyazaki University 1-1 Kirishima Miyazaki, Japan

Mem. Fac. Eng. Nagoya Univ. (Japan) (1968—)
Coden: MENAAN ISSN 0027-7657
Memoirs of the Faculty of Engineering, Nagoya University Furo-cho, Chikusa-ku, Nagoya, Japan

Mem. Fac. Eng. Osaka City Univ. (Japan) (1968—)
Coden: MFEOAR ISSN 0078-6659
Memoirs of the Faculty of Engineering, Osaka City University 459 Sugimoto-cho, SumiYoshi-kum, Osaka, Japan

Mem. Fac. Eng. Yamaguchi Univ. (Japan) (vol.34, no.1 Oct. 1983—)
Coden: YDKGAF ISSN 0372-7661
Memoirs of the Faculty of Engineering, Yamaguchi University 2557 Tokiwadai, Ube-shi, Yamaguchi 755, Japan

Mem. Fac. Ind. Arts Kyoto Tech. Univ. Sci. & Technol. (Japan) (1968—)
Coden: MIAKAG ISSN 0014-6773
Memoirs of the Faculty of Industrial Arts, Kyoto Technical University. Science and Technology Matsugaski, Sakyoku, Kyoto 606, Japan

Mem. Fac. Sci. Kyoto Univ. Ser. Phys. Astrophys. Geophys. Chem. (Japan) (1968—)
Coden: MFKPAQ ISSN 0368-9689
Memoirs of the Faculty of Science, Kyoto University, Series of Physics, Astrophysics, Geophysics and Chemistry Kitashirakawa, Sakyo Ku, Kyoto, Japan

Mem. Fac. Sci. Kyushu Univ. Ser. B (Japan) (1968—)
Coden: MFKBAI ISSN 0085-2627
Memoirs of the Faculty of Science, Kyushu University, Series B Fukuoka, Kyushu, Japan

Mem. Fac. Sci. Kyushu Univ. Ser. C (Japan) (vol.6, no.2 March 1968—)
Coden: MFKCAL ISSN 0085-2635
Memoirs of the Faculty of Science, Kyushu University, Series C Fukuoka, Kyushu, Japan

Mem. Fac. Technol. Kanazawa Univ. (Japan) (vol.5, no.5 Feb. 1970—)
Coden: KDKOAL ISSN 0022-832X
Memoirs of the Faculty of Technology, Kanazawa University 2-40-20, Kodatsuno, Kanazawa, Ishikawa 920, Japan

Mem. Fac. Technol. Tokyo Metrop. Univ. (Japan) (no.21 1971—)
Coden: MTTMAO ISSN 0082-4747
Memoirs of Faculty of Technology, Tokyo Metropolitan University Fukazawa 2-1-1, Setagaya, Tokyo, Japan

Mem. Hokkaido Inst. Technol. (Japan) (no.9 1981—)
Coden: HODKDL ISSN 0385-0862
Memoirs of the Hokkaido Institute of Technology 419-2 Maeda Teine, Nishi-ku, Sapporo, Hokkaido 061-24, Japan

Mem. Kyushu Inst. Technol. Eng. (Japan) (no.1 March 1971—)
Coden: MKIEBJ ISSN 0369-0512
Memoirs of the Kyushu Institute of Technology. Engineering Tobata, Kitakyushu, Japan

Mem. Natl. Def. Acad. (Japan) (vol.20, no.1 March 1980—)
Coden: MNDEDH ISSN 0388-4112
Memoirs of the National Defense Academy Formerly: Mem. Def. Acad. (Japan)
Hashirimizu 1-10-20, Yokosuka 239, Japan

Mem. Res. Inst. Sci. & Eng. Ritsumeikan Univ. (Japan) (no.29 1975—)
Coden: RDRKAJ ISSN 0370-4254
Memoirs of the Research Institute of Science & Engineering, Ritsumeikan University Kyoto, Japan

Mem. Sch. Eng. Okayama Univ. (Japan) (1983—)
Coden: MSEOBH ISSN 0475-0071
Memoirs of the School of Engineering, Okayama University Tsushima, Okayama, Japan

Mem. Sch. Sci. & Eng. Waseda Univ. (Japan) (no.47 1983—)
Coden: MSEWA6 ISSN 0369-1950
Memoirs of the School of Science & Engineering, Waseda University 3-4-1 Okubo, Shinjuku-ku, Tokyo 160, Japan

Mem. Sci. Rev. Metall. (France) (vol.68, no.10 Oct. 1971—)
Coden: MRMTAU
Memoires Scientifiques de la Revue de Metallurgie Title changed to: Mem. & Etud. Sci. Rev. Metall. (France)

Mem. Sect. Stiint. Ser. IV (Rumania) (vol.4, no.1 1981—)
Coden: MSARD8
Memoriile Sectiilor Stiintifice, Seria IV Academia Republicii Socialiste Romania, Iasi, Str. 23 August 8, Rumania

Mem. Soc. Astron. Ital. (Italy) (1968—)
Coden: MSATAB ISSN 0037-8720
Memorie della Societa Astronomica Italiana Osservatorio Astronomico di Brera, Via Brera 28, 20121 Milano, Italy

Mercury (USA) (vol.6, no.5 Sept.-Oct. 1977—)
Coden: MRCYAT ISSN 0047-6773
Mercury Astronomical Society of the Pacific, 1290 24th Avenue, San Francisco, CA 94122, USA

Mereni a Regulace (Czechoslovakia) (1968—)
Coden: MERRAQ ISSN 0539-3973
Mereni a Regulace Research Institute for Automation Systems Pluku 12a, Praha 8-Karlin, Czechoslovakia

Meres & Autom. (Hungary) (1968—)
Coden: MEAUAI ISSN 0025-9993
Meres es Automatika Lapkiado Vallalat, Budapest VII, Lenin Korut 9-11, Hungary

Mes. Regul. Autom. (France) (1968—)
Coden: MRAUA7 ISSN 0026-0193
Mesures, Regulation, Automatisme Title changed to: Mesures (France)

Mess. & Pruef. (Germany) (vol.7, no.3 March 1971—)
Coden: MSPNBZ ISSN 0026-0339
Messen & Prufen Title changed to: Mess. Pruef. Autom. (Germany)

Mess. Pruef. Autom. (Germany) (no.9 Sept. 1984—)
Messen Prufen Automatisieren Formerly: Mess. & Pruef. (Germany)
Hans Holzmann Verlag GmbH & Co. KG, D-8939 Bad Worishofen, Gewerbestrasse 2, Postfach 1342, Germany

Mess. Steuern Regeln
See: MSR (Mess. Steuern Regeln) (Germany)

Mess. Steuern Regeln mit Automatisierungsprax. (Germany) (1968—)
Coden: MSRGAN
Messen Steuern Regeln mit Automatisierungspraxis Title changed to: MSR (Mess. Steuern Regeln) (Germany)

Messtechnik (Germany) (1968—)
Coden: MESSAY
Messtechnik Formerly: Z. Instrumentenk. (Germany). Merged with Feinwerktech. & Micronic (Germany) to form Feinwerktech. & Messtech. (Germany)

Mesures (France) (vol.48, no.9 30 May 1983—)
Coden: MSRSET ISSN 0026-0193
Mesures Formerly: Mes. Regul. Autom. (France)
Compagnie Francaise d'Information pour les Entreprises, 40 rue du Colisee, 75381 Paris Cedex 08, France

Met. Australas. (Australia) (vol.15, no.5 Sept.-Oct. 1983—)
Coden: MEAUDL
Metals Australasia Australasian Institute of Metals and the Australasian Institute of Metal Finishing, Ian Clunies Ross House, 191 Royal Parade, Parkville, Vic. 3052, Australia

†**Met. Forum (Australia)** (vol.1, no.1 March 1978—)
Coden: MEFODS ISSN 0160-7952
Metals Forum Formerly: J. Australas. Inst. Met. (Australia)
Published for the Australasian Institute of Metals by: Pergamon Press Australia, 19a Boundary Street, Rushcutters Bay, N.S.W. 2011, Australia

Met. Mater. (GB) (vol.21, no.1 1983—)
Coden: MEMTEB ISSN 0264-7303
Metallic Materials [Translation of: *Kovove Mater. (Czechoslovakia)*]
V.E. Riecansky Technical Translations, 22 Horseshoe Close, Balsham, Cambridge CB1 6EQ, England

Met. Phys. (GB) (no.1 May 1970—)
Coden: MPYSB6
Metal Physics Title changed to: J. Phys. F (GB)

Met. Sci. & Heat Treat. (USA) (vol.14, no.1-2 Jan.-Feb. 1972—)
Coden: MHTRAN ISSN 0026-0673
Metal Science and Heat Treatment [Translation of: *Metalloved. & Term. Obrab. Met. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†**Met. Sci. (GB)** (vol.8, no.1 Jan. 1974—)
Coden: METSC7 ISSN 0306-3453
Metal Science Formerly: Met. Sci. J. (GB)
Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Met. Sci. J. (GB) (vol.5 Jan. 1971—)
Coden: MESJA7
Metal Science Journal Title changed to: Met. Sci. (GB)

Metal. & Electr. (Spain) (vol.32, no.372 Sept. 1968—)
Coden: MYELAF ISSN 0026-0991
Metalurgia y Electricidad Metalurgia y Electricidad, Apartado de Correos, Madrid 19, Spain

†**Metall. Trans. A (USA)** (vol.1, no.10 Oct. 1970—)
Coden: MTTABN ISSN 0360-2133
Metallurgical Transactions A (Physical Metallurgy and Materials Science) Formerly: Trans. Metall. Soc. AIME (USA)
Metallurgical Society of American Institute of Mining, Metallurgical & Petroleum Engineers Inc., P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA15086, USA

Metall. Trans. B (USA) (vol.6B, no.4 Dec. 1975—)
Coden: MTTBCR ISSN 0360-2141
Metallurgical Transactions B (Process Metallurgy) Metallurgical Society of American Institute of Mining, Metallurgical & Petroleum Engineers, P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA 15086, USA

Metallofizika, Kiev (USSR) (no.33 1971—)
Coden: MFIZAC ISSN 0204-3580
Metallofizika Izdatel'stvo 'Naukova Dumka', 252601 Kiev, GSP, Repina 3, USSR [English translation in: *Phys. Met. (GB)*]

†**Metallography (USA)** (vol.1, no.3-4 Jan. 1969—)
Coden: MEIJAP ISSN 0026-0800
Metallography Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Metalloved. & Term. Obrab. Met. (USSR) (no.7 1971—)
Coden: MTOMAX ISSN 0026-0819
Metallovedenie i Termicheskaya Obrabotka Metallov Moskva, GSP-110, Prospekt Mira 106, USSR [English translation in: *Met. Sci. & Heat Treat. (USA)*]

Metalwork. Prod. (GB) (26 June 1968—)
Coden: MWPDAW ISSN 0026-1033
Metalworking Production Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England

†**Meteoritics (USA)** (vol.5, no.1 31 March 1970—)
Coden: MERTAW ISSN 0026-1114
Meteoritics Published jointly by The Meteoritical Society and Arizona State University Bureau of Publications, USA. Circulation address: Center for Meteorite Studies, Arizona State University, Tempe, AZ 85287

Meteorol. & Gidrol. (USSR) (no.7 July 1973—)
Coden: MEGIAC ISSN 0130-2906
Meteorologiya i Gidrologiya 123376 Moskva, D-376, Bol'shevistskaya Ul., D.13 Komn. 114, USSR [English translation in: *Sov. Meteorol. & Hydrol. (USA)*]

Meteorol. Mag. (GB) (1968—)
Coden: MTMGA5 ISSN 0026-1149
Meteorological Magazine Director General Meteorological Office, London Road, Bracknell, Berks RG12 2SZ, England

Meteorol. Rundsch. (Germany) (vol.25, no.1 Jan.-Feb. 1972—)
Coden: MERUAZ ISSN 0026-1211
Meteorologische Rundschau Gebr. Borntraeger, D-7000 Stuttgart 1, Johannestrasse 3A, Germany

Methods Inf. Med. (Germany) (vol.9, no.2 April 1970—)
Coden: MIMCAI ISSN 0026-1270
Methods of Information in Medicine F.K. Schattauer Verlag GmbH, 7 Stuttgart 1, Postfach 2945, Lenzhalde 3, Germany

†**Methods Oper. Res. (Germany)** (vol.37 1980—)
Coden: MEORDE ISSN 0078-5318
Methods of Operations Research Formerly: Oper. Res. Verfahren-Methods Oper. Res. (Germany)
Verlagsgruppe Athenaum/Hain/Scriptor/Hanstein, Postfach 1220, 6240 Konigstein/Ts, Germany

†**Metrika (Austria)** (vol.14, no.1 1968—)
Coden: MTRKA8 ISSN 0026-1335
Metrika Physica-Verlag Rudolf Liebing K.G., A-1010 Wien, Seilerstatte 18 (Hofels), Austria

Metrol. Apl. (Rumania) (vol.24, no.1 1977—)
Coden: MAPBA8 ISSN 0539-5232
Metrologia Aplicata Formerly: Calitatea Prod. & Metrol. (Rumania)
Editorial address: Institutul National de Metrologie, Sos. Vitan-Birzesti Nr 11, Sector 4, Bucuresti 75669, Rumania

Metrologia (Germany) (1968—)
Coden: MTRGAU ISSN 0026-1394
Metrologia Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

†**Micro (USA)** (no.63 Aug. 1983—)
Coden: MCROE7 ISSN 0271-9002
Micro Formerly: Micro - 6502/6809 J. (USA)
10 Northern Boulevard, P.O.Box 6502, Amherst, NH 03031, USA

Micro - 6502/6809 J. (USA) (no.40 Sept. 1981—)
Coden: MCOODP ISSN 0271-9002
Micro - The 6502/6809 Journal Title changed to: Micro (USA)

Micro Decis. (GB) (no.5 March 1982—)
Coden: MIDEDG ISSN 0261-5142
Micro Decision Business Publications BV, 53-55 Frith Street, London W1A 2HG, England

Micro News & Mark. (Ireland) (vol.1, no.2 May 1983—)
Coden: MICREH ISSN 0790-0864
Micro News & Market Leisure Publications Ltd., 66 Patrick Street, Dun Laoghaire, Co. Dublin, Ireland

Micro Syst. (France) (no.19 Sept.-Oct. 1981—)
Coden: MSYSDT ISSN 0183-5084
Micro Systemes Societe Parisienne d'Edition, 2 a 12 rue de Bellevue, 75940 Paris Cedex 19, France

Micro User (GB) (vol.2, no.7 Sept. 1984—)
Coden: MIUSD7 ISSN 0265-4040
Micro User Database Publications, Europa House, 68 Chester Road, Hazel Grove, Stockport SK7 5NY, England

Microcomput. Inf. Manage. (USA) (vol.1, no.1 March 1984—)
ISSN 0742-2342
Microcomputers for Information Management Ablex Publishing Corp., 355 Chestnut Street, Norwood, NJ 07648, USA

Microcomput. Printout (GB) (vol.2, no.9 Oct. 1981—)
Coden: MPRIDB ISSN 0261-4499
Microcomputer Printout Formerly: Printout (GB)
Printout Publications, P.O.Box 48, Newbury RG16 1PB, England. →Incorporated with Comput. Today (GB)

Microcomput. Rev. (USA) (vol.1, no.3 1983—)
Coden: MIREEJ
Microcomputer Review GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

†**Microcomputing (USA)** (vol.6, no.3 March 1982—)
Coden: MIRCDC ISSN 0744-4567
Microcomputing Formerly: Kilobaud Microcomput. (USA)
Wayne Green Inc., 80 Pine Street, Peterborough, NH 03458, USA

Microdoc (GB) (vol.12, no.1 1973—)
Coden: MICDB6 ISSN 0026-2684
Microdoc Title changed to: Int. J. Microgr. & Video Technol. (GB)

†**Microelectron. & Reliab. (GB)** (1968—)
Coden: MCRLAS ISSN 0026-2714
Microelectronics and Reliability Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Microelectron. Eng. (Netherlands)** (vol.1, no.1 Sept. 1983—)
Coden: MIENEF ISSN 0167-9317
Microelectronic Engineering Elsevier Science Publishers B.V. (North-Holland), P.O.Box 1991, 1000 BZ Amsterdam, Netherlands

†**Microelectron. J. (GB)** (vol.9, no.3 Jan.-Feb. 1979—)
Coden: MICEB9 ISSN 0026-2692
Microelectronics Journal Formerly: Microelectronics (GB)
Mackintosh Publications Ltd., Mackintosh House, Napier Road, Luton, Beds. LU1 1RG, England

Microelectronics (GB) (vol.3, no.5 May 1970—)
Coden: MICEB9
Microelectronics Title changed to: Microelectron. J. (GB)

Microform Rev. (USA) (vol.2, no.1 Jan. 1973—)
Coden: MFRVAB ISSN 0002-6530
Microform Review Microform Review Inc., 520 Riverside Avenue, P.O. Box 405, Saugatuck Station, Westport, CT 06880, USA

Micron & Microsc. Acta (GB) (vol.14, no.3 1983—)
Coden: MMACDN ISSN 0739-6260
Micron and Microscopica Acta Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Formed by merger of Micron (GB) and Micsrosc. Acta (Germany)

Microprocess. & Microprogram. (Netherlands) (vol.7, no.1 Jan. 1981—)
Coden: MMICDT ISSN 0165-6074
Microprocessing & Microprogramming Formerly: Euromicro J. (Netherlands)
North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Microprocess. & Microsyst. (GB) (vol.3, no.1 1979—)
Coden: MIMID5 ISSN 0141-9331
Microprocessors and Microsystems Formerly: Microprocessors (GB)
Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Microprocess. Software Q. (GB) (no.4 Aug. 1981—)
Coden: MSQUDT ISSN 0264-553X
Microprocessor Software Quarterly South West Universities Regional Computer Centre, University of Bath, Claverton Down, Bath BA2 7AY, England

Microprocess. Work (Switzerland) (vol.1, no.8 June 1980—)
Coden: MWORD4 ISSN 0143-5183
Microprocessors at Work Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

Microprocessors (GB) (vol.1, no.5 June 1977—)
Coden: MCRPD9
Microprocessors Title changed to: Microprocess. & Microsyst. (GB)

Microsc. Acta (Germany) (vol.73, no.1 Nov. 1972—)
Coden: MSACCU ISSN 0044-376X
Microscopica Acta S. Hirzel Verlag, 7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany. →Merged with Micron (GB) to form Micron & Microsc. Acta (GB)

Microscope (USA) (vol.16, 3rd Quart. July 1968—)
Coden: MICRAD ISSN 0026-282X
Microscope Microscope Publications Ltd., 2508 South Michigan Avenue, Chicago, IL 60616, USA

†**Microsystems (USA)** (vol.3, no.4 July-Aug. 1982—)
Coden: MINJDD ISSN 0199-7955
Microsystems Editorial address: Box 1192, Mountainside, NJ 07092, USA

Microtecnic (Switzerland) (1968—)
Coden: MITCAJ ISSN 0026-2854
Microtecnic Agifa Verlag AG, Universitatstrasse 94, Postfach 257, CH-8033 Zurich, Switzerland

Microwave J. (USA) (1968—)
Coden: MCWJAD ISSN 0026-2897
Microwave Journal 610 Washington Street, Dedham Plaza, Dedham, MA 02026, USA

Microwave Syst. News (USA) (vol.5, no.2 April-May 1975—)
Coden: MWSNA9
Microwave Systems News Title changed to: MSN Microwave Syst. News (USA)

Microwaves & RF (USA) (vol.21, no.13 Nov. 1982—)
Coden: MIRFDL ISSN 0026-2919
Microwaves & RF Formerly: Microwaves (USA)
Hayden Publishing Co., Inc., 50 Essex Street, Rochelle Park, NJ 07662, USA

Microwaves (USA) (1968—)
Coden: MCRWAR ISSN 0026-2919
Microwaves Title changed to: Microwaves & RF (USA)

Middle East Comput. (GB) (no.12 April 1984—)
Coden: MECOEE ISSN 0263-9203
Middle East Computing Business Press International, Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Middle East Electr. (GB) (vol.8, no.8 Sept. 1984—)
ISSN 0309-4707
Middle East Electricity Reed Business Publishing Developments, Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Middle East Electron. (GB) (July-Aug. 1981—)
Coden: MEAED7 ISSN 0140-7619
Middle East Electronics IPC Middle East Publishing Co. Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Mikro- & Kleincomput. (Switzerland) (vol.3, no.1 Feb. 1981—)
Coden: MKLED2 ISSN 0251-0006
Mikro- und Kleincomputer Verlag SCC AG, Seeburgstrasse 12, 6002 Luzern, Switzerland

Mikrocomput. Z. (Germany) (no.10 Oct. 1983—)
Coden: MDMZDL ISSN 0720-4442
Mikrocomputer Zeitschrift Franzis-Verlag GmbH, Karlstrasse 37, 8000 Munchen 2, Germany

Mikroelektronika (USSR) (vol.5, no.3 May-June 1976—)
Coden: MKETA9 ISSN 0544-1269
Mikroelektronika Akademiya Nauk SSSR, Moskva, USSR [English translation in: *Sov. Microelectron. (USA)*]

Mikrowellen Mag. (Germany) (no.3 1979—)
Coden: MKMGDD ISSN 0722-8244
Mikrowellen Magazin Sprechsaal-Verlag, P.O. Box 401, D-8630 Coburg, Germany

Mil. Electron./Countermeas. (USA) (vol.3, no.5 May 1977—)
Coden: MELCDM ISSN 0164-4076
Military Electronics/Countermeasures Formerly: Electron. Electro-Optic Infrared Countermeas. (USA)
Hamilton Burr Publishing Co., 2065 Martin Avenue, Suite 104, Santa Clara, CA 95050, USA

Min. Electr. & Mech. Eng. (GB) (1968—)
Coden: MMEGAI
Mining Electrical and Mechanical Engineer Title changed to: Min. Technol. (GB)

Min. Technol. (GB) (vol.51, no.583 May 1969—)
Coden: MNGTB7 ISSN 0026-5276
Mining Technology Formerly: Min. Electr. & Mech. Eng. (GB)
Institution of Mining Electrical and Mining Mechanical Engineers, 25 Cross Street, Manchester M2 1WL, England

Mind Your Own Bus. (GB) (vol.4, no.6 June 1981—)
Coden: MYOBD4 ISSN 0143-1374
Mind Your Own Business Cairnmark Ltd., The Workhouse, 106 Church Road, London SE19 2UB, England

Mini-Micro Software (GB) (vol.4, no.2 1979—)
Coden: MMSFDK ISSN 0308-3314
Mini-Micro Software Formerly: Small Syst. Software (GB)
A.P. Publications Ltd., 322 St. John Street, London EC1V 4QH, England

Mini-Micro Syst. (China) (no.6 1983—)
Coden: XWJXEH ISSN 0364-9342
Mini-Micro Systems Subscription address: Guozi Shudian, P.O.Box 2820, Beijing, People's Republic of China

Mini-Micro Syst. (USA) (vol.9, no.7 July 1976—)
Coden: MISYDF ISSN 0364-9342
Mini-Micro Systems Formerly: Mod. Data (USA)
Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Minicomput. Rev. (USA) (vol.5, no.2 1978—)
Coden: MINRD3 ISSN 0093-2302
Minicomputer Review GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

†**Minor Planet Circ. (USA)** (no.4391-4424 1 Aug. 1978—)
Coden: MPCIB2 ISSN 0736-6884
Minor Planet Circulars/Minor Planets and Comets Minor Planet Center, Smithsonion Astrophysical Observatory, Cambridge, MA 02138, USA

Minoseg & Megbizhatosag (Hungary) (vol.5, no.2 April 1971—)
Coden: MMMEDL ISSN 0580-4485
Minoseg es Megbizhatosag KG-Informatik, 1372 Budapest V, Arany Janos U. 22, Hungary. Subscription address: Kultura, Budapest 1, Fo u. 32

Mitsubishi Denki Giho (Japan) (vol.51, no.10 1977—)
Coden: MTDNAF ISSN 0369-2302
Mitsubishi Denki Giho Mitsubishi Electric Corp., Mitsubishi Denki Building, Marunouchi, Tokyo 100, Japan

Mitsubishi Denki Giho (Mitsubishi Denki Technical Review)
See: Mitsubishi Denki Giho (Japan)

Mitsubishi Denki Lab. Rep. (Japan) (1968—)
Coden: MDLRAN ISSN 0026-6795
Mitsubishi Denki Laboratory Reports Research Laboratory, Mitsubishi Electric Manufacturing Company, Amagasaki, Japan

Mitsubishi Denki Tech. Rev.
See: Mitsubishi Denki Giho (Japan)

Mitsubishi Electr. Adv. (Japan) (vol.1, no.9 Sept. 1977—)
Coden: MEADD4 ISSN 0386-5096
Mitsubishi Electric Advance Mitsubishi Electric Corp., Mitsubishi Denki Building, Marunouchi, Tokyo 100, Japan

Mitsubishi Tech. Bull. (Japan) (no.160 Nov. 1984—)
Coden: MJKKA5 ISSN 0540-469X
Mitsubishi Technical Bulletin Mitsubishi Heavy Industries Ltd., 2-5-1 Marunouchi, Chiyoda-ku, Tokyo 100, Japan

Mitsui Tech. Rev. (Japan) (no.72 1970—)
Coden: MIZGAR
Mitsui Technical Review Title changed to: Mitsui Zosen Tech. Rev. (Japan)

Mitsui Zosen Tech. Rev. (Japan) (no.109 1981—)
Coden: MIZGAR ISSN 0026-6825
Mitsui Zosen Technical Review Formerly: Mitsui Tech. Rev. (Japan)
Mitsui Engineering & Shipbuilding Co. Ltd., 6-4, Tsukiji 5-chome, Chuo-ku, Tokyo, Japan

Mitt. AGEN (Switzerland) (1968—)
Coden: AENMAT ISSN 0378-1291
Mitteilungen der Arbeitsgemeinschaft fur Elektrische Nachrichtentechnik der Stiftung Hasler-Werke, Bern Geschaftsstelle der AGEN Institut fur Technische Physik, ETH-Aussenstation, Honggerberg Postfach, 8049 Zurich, Switzerland

Mitt. Astron. Ges. (Germany) (no.40 1976—)
Coden: MASGC6 ISSN 0172-5483
Mitteilungen der Astronomischen Gesellschaft Astronomisches Institut der Universitat Tubingen, Tubingen, Germany

Miyazaki Daigaku Kogakubu Kenkyu Hokoku
See: Bull. Fac. Eng. Miyazaki Univ. (Japan)

Miyazaki Univ. Fac. Eng. Bull.
See: Bull. Fac. Eng. Miyazaki Univ. (Japan)

MNI Microcomput. News Int. (GB) (vol.5, no.11 Jan. 1982—)
Coden: MNEIDY ISSN 0260-8472
MNI Microcomputer News International Title changed to: Integrated Circuits Int. (GB)

Mod. Data (USA) (vol.4, no.10 Oct. 1971—)
Coden: MDATB9
Modern Data Title changed to: Mini-Micro Syst. (USA)

Mod. Geol. (GB) (vol.1, no.1 Nov. 1969—)
Coden: MOGEB3 ISSN 0026-7775
Modern Geology Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Mod. Mach. Shop (USA) (vol.49, no.8 Jan. 1977—)
Coden: MMASAY ISSN 0076-9991
Modern Machine Shop Gardner Publications Inc., 600 Main Street, Cincinnati, OH 45202, USA

Mod. Mater. Handl. (USA) (vol.23, no.12 Dec. 1968—)
Coden: MMHHA2 ISSN 0026-8038
Modern Materials Handling Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Mod. Off. & Data Manage. (Australia) (vol.15, no.3 Feb. 1976—)
Coden: MODMDE ISSN 0311-7731
Modern Office & Data Management Title changed to: Mod. Off. (Australia)

Mod. Off. (Australia) (vol.21, no.7 Aug. 1982—)
Coden: MOOFDE ISSN 0810-9451
Modern Office Formerly: Mod. Off. & Data Manage. (Australia)
Rydge Publications Pty. Ltd., 72 Clarence Street, Sydney, NSW 2000, Australia

Mod. Off. Procedures (USA) (vol.27, no.7 July 1982—)
Coden: MOPRDL ISSN 0026-8208
Modern Office Procedures Title changed to: Mod. Off. Technol. (USA)

Mod. Off. Technol. (USA) (vol.28, no.10 Oct. 1983—)
Coden: MOFTDB ISSN 0026-8208
Modern Office Technology Formerly: Mod. Off. Procedures (USA)
Penton/IPC Inc., 1111 Chester Avenue, Cleveland, OH 44114, USA

Mod. Power & Eng. (Canada) (vol.64, no.15 May 1970—)
Coden: MPENAQ ISSN 0026-8313
Modern Power and Engineering Title changed to: Electr. Can. (Canada)

Mod. Power Syst. (USA) (vol.1, no.1 Jan. 1981—)
Coden: MPSYDU ISSN 0260-7840
Modern Power Systems Formerly: Energy Int. (USA)
Miller Freeman Publications, 500 Howard Street, San Francisco, CA 94105, USA

†Modeling, Identification & Control (Norway) (vol.1, no.1 1980—)
Coden: MIDCDA ISSN 0332-7353
Modeling, Identification and Control Royal Norwegian Council for Scientific and Industrial Research, Division of Engineering Cybernetics, NTH, N-7034 Trondheim, Norway

Mol. Cryst. & Liq. Cryst. (GB) (vol.5, no.4 May 1969—)
Coden: MCLCA5 ISSN 0026-8941
Molecular Crystals and Liquid Crystals Formerly: Mol. Cryst. (GB)
Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2N 4DE, England

Mol. Cryst. & Liq. Cryst. Lett. (GB) (vol.34, no.1 1976—)
Coden: MCLCA5 ISSN 0140-6566
Molecular Crystals and Liquid Crystals Letters Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Mol. Cryst. & Liq. Cryst. Suppl. Ser. (GB) (suppl. 1 1982—)
Coden: MCLSDM ISSN 0026-8941
Molecular Crystals and Liquid Crystals Supplement Series Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Mol. Cryst. (GB) (1968—)
Coden: MOCRAL
Molecular Crystals Title changed to: Mol. Cryst. & Liq. Cryst. (GB)

†Mol. Phys. (GB) (1968—)
Coden: MOPHAM ISSN 0026-8976
Molecular Physics Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

†Mon. Not. R. Astron. Soc. (GB) (1968—)
Coden: MNRAA4 ISSN 0035-8711
Monthly Notices of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Mon. Notes Astron. Soc. South Afr. (S. Africa) (1968—)
Coden: MASAAK ISSN 0024-8266
Monthly Notes of the Astronomical Society of Southern Africa South African Astronomical Observatory, P.O. Box 9. Observatory, Cape, South Africa

Mon. Weather Rev. (USA) (vol.110, no.1 Jan. 1982—)
Coden: MWREAB ISSN 0027-0644
Monthly Weather Review American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

Monitor (Australia) (vol.37, no.1 Jan.-Feb. 1976—)
Coden: MNTRDY ISSN 0314-4321
Monitor Formerly: Proc. Inst. Radio & Electron. Eng. Aust. (Australia)
Institution of Radio & Electronics Engineers Australia, Science Centre, 35-43 Clarence Street, Sydney, NSW 2000, Australia

Monitor (GB) (no.12 Feb. 1982—)
Coden: MONRDB ISSN 0260-6666
Monitor Learned Information Ltd., Besselsleigh Road, Abingdon, Oxford OX13 6LG, England

Moon & Planets (Netherlands) (vol.18, no.1 Feb. 1978—)
Coden: MOPLD3 ISSN 0165-0807
Moon and the Planets Formerly: Moon (Netherlands) Title changed to: Earth Moon & Planets (Netherlands)

Moon (Netherlands) (vol.1, no.1 Nov. 1969—)
Coden: MOONB2
Moon Title changed to: Moon & Planets (Netherlands)

Moscow Univ. Comput. Math. & Cybern. (USA) (no.1 1978—)
Coden: MUCTD4
Moscow University Computational Mathematics and Cybernetics [Translation of: *Vestn. Mosk. Univ. Ser. 15 (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Moscow Univ. Phys. Bull. (USA) (vol.21, no.5 Sept.-Oct. 1966—)
Coden: MUPBAC ISSN 0027-1349
Moscow University Physics Bulletin [Translation of: *Vestn. Mosk. Univ. Ser. 3 (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Mosk. Univ. Vestn. Ser. 1
See: Vestn. Mosk. Univ. Ser. 1 (USSR)

Mosk. Univ. Vestn. Ser. 15
See: Vestn. Mosk. Univ. Ser. 15 (USSR)

Mosk. Univ. Vestn. Ser. 3
See: Vestn. Mosk. Univ. Ser. 3 (USSR)

Mot. Ship (GB) (vol.49, no.583 Feb. 1969—)
Coden: MOSHA3 ISSN 0027-2000
Motor Ship IPC Business Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Motorola Tech. Dev. (USA) (vol.2 Jan. 1982—)
Coden: MTDEDP
Motorola Technical Developments Motorola Inc., Schaumburg, IL 60196, USA

Motorola Tech. Disclosure Bull. (USA) (vol.1, no.1 Aug. 1980—)
Motorola Technical Disclosure Bulletin Schaumburg, IL 60196, USA

MSN Microwave Syst. News (USA) (vol.9, no.4 April 1979—)
Coden: MWSNA9 ISSN 0164-3371
MSN Microwave Systems News Formerly: Microwave Syst. News (USA)
EW Communications Inc., 1170 East Meadow Drive, Palo Alto, CA 94303, USA

MSR (Mess. Steuern Regeln) (Germany) (vol.20, no.2 Feb. 1977—)
Coden: MMSRDM ISSN 0026-0347
MSR (Messen Steuern Regeln) Formerly: Mess. Steuern Regeln mit Automatisierungsprax. (Germany)
VEB Verlag Technik, DDR 102 Berlin, Oranienburger Strasse 13/14, Germany

Mullard Tech. Commun. (GB) (1968—)
Coden: MUTCAZ
Mullard Technical Communications Merged with Electron. Appl. Bull. (Netherlands) to form Electron. Components & Appl. (Netherlands)

Multidisciplinary Res. (USA) (vol.3, pt.1 Sept. 1974—)
Coden: MRINCS ISSN 0098-8553
Multidisciplinary Research International Multidisciplinary Research Association, Editorial address: Physiology Section, Blake College, 300 Jefferson Street, Eugene, OR 97403, USA

Multilingua (Netherlands) (vol.1, no.1 1982—)
Coden: MULTDF ISSN 0167-8507
Multilingua Mouton Publishers, Amsteldijk 166, 1079 LH Amsterdam, Netherlands. Subscription address: Walter de Gruyter & Co., Postfach 110240, D-1000 Berlin 11, Germany

Mundo Electron. (Spain) (no.32 July 1974—)
Coden: MUELCN ISSN 0300-3787
Mundo Electronico Boixareau Editores, S.A., Gran Via de les Corts Catalanes 594, 2 Barcelona 7, Spain

N.Z. Electr. J. (New Zealand) (vol.41, no.8 Aug. 1968—)
Coden: NZEJAR
New Zealand Electrical Journal Title changed to: N.Z. Energy J. (New Zealand)

N.Z. Electr. Supply Auth. Eng. Inst. Trans.
See: Trans. Electr. Supply Auth. Eng. Inst. N.Z. (New Zealand)

N.Z. Electron. Rev. (New Zealand) (vol.14 Nov. 1981—)
Coden: NZERBI ISSN 0549-026X
New Zealand Electronics Review National Electronics Development Association (N.Z.) Inc., P.O.Box 5092, Wellington, New Zealand

N.Z. Energy J. (New Zealand) (vol.47, no.11 25 Oct. 1974—)
Coden: NZEJDU
New Zealand Energy Journal Formerly: N.Z. Electr. J. (New Zealand) Title changed to: Energy J. (New Zealand)

† indicates a journal abstracted completely

N.Z. Eng. (New Zealand) (1968—)
Coden: NZENA5 ISSN 0028-808X
New Zealand Engineering (Journal of the New Zealand Institution of Engineers) Title changed to: N.Z. Eng. (New Zealand)

N.Z. Eng. (New Zealand) (vol.37, no.3 1982—)
Coden: NZENA5 ISSN 0028-808X
New Zealand Engineering Formerly: N.Z. Eng. (New Zealand)
Institution of Professional Engineers New Zealand, P.O.Box 12241, Molesworth House, Molesworth Street, Wellington, New Zealand

N.Z. Inst. Eng. Inc. Trans. Civ. Eng. Sect.
See: Trans. N.Z. Inst. Eng. Inc. Civ. Eng. Sect. (New Zealand)

N.Z. Inst. Eng. Inc. Trans. Electr./Mech./Chem. Eng. Sect.
See: Trans. N.Z. Inst. Eng. Inc. Electr./Mech./Chem. Eng. Sect. (New Zealand)

N.Z. J. Sci. (New Zealand) (1968—)
Coden: NZJSAB ISSN 0028-8365
New Zealand Journal of Science Science Information Division, DSIR, P.O.Box 9741, Wellington, New Zealand

N.Z. Oper. Res. (New Zealand) (vol.10, no.1 Jan. 1982—)
Coden: NZORD2 ISSN 0110-6392
New Zealand Operational Research Operational Research Society of New Zealand (Inc.), P.O.Box 904, Wellington, New Zealand

Nachr. Dok. (Germany) (vol.21, no.2 April 1970—)
Coden: NADOAW ISSN 0027-7436
Nachrichten fur Dokumentation Deutsche Gesellschaft fur Dokumentation, 6000 Frankfurt am Main, Westendstrasse 19, Germany

Nachr. Elektron. + Telematik (Germany) (vol.36, no.10 Oct. 1982—)
Coden: NETEDB ISSN 0341-4035
Nachrichten Elektronik + Telematik Formerly: Nachr. Elektron. (Germany)
Dr. Alfred Huhtig Verlag GmbH, Im Weiher 10, Postfach 10 28 69, 6900 Heidelberg 1, Germany

Nachr. Elektron. (Germany) (vol.30, no.1 Jan. 1976—)
Coden: NAELDV ISSN 0341-4035
Nachrichten Elektronik Formerly: Int. Elektron. Rundsch. (Germany) Title changed to: Nachr. Elektron. + Telematik (Germany)

Nachr. Telefonbau & Normalzeit (Germany) (no.67 1967—)
Coden: NTNZAA ISSN 0495-0216
Nachrichten der Telefonbau und Normalzeit Postfach 2369, 6 Frankfurt am Main 1, Germany

†**Nachrichtentech. Elektron. (Germany)** (vol.23, no.1 1973—)
Coden: NTELAP ISSN 0323-4657
Nachrichtentechnik Elektronik Formerly: Nachrichtentechnik (Germany)
VEB Verlag Technik, DDR 1020 Berlin, Oranienburger Strasse 13/14, Germany

Nachrichtentech. Fachber. (NTF) (Germany) (1968—)
Coden: NAFAAY
Nachrichtentechnische Fachberichte (NTF) Title changed to: NTG-Fachber. (Germany)

†**Nachrichtentech. Z. (NTZ) (Germany)** (1968—)
Coden: NAZEAA ISSN 0027-707X
Nachrichtentechnische Zeitschrift VDE-Verlag GmbH, Bismarckstrasse 33, 1000 Berlin 12, Germany

Nachrichtentechnik (Germany) (1968—)
Coden: NACHA6
Nachrichtentechnik Title changed to: Nachrichtentech. Elektron. (Germany)

Nagaoka Kogyo Koto Senmon Gakko Kenkyu Kiyo
See: Res. Rep. Nagaoka Tech. Coll. (Japan)

Nagaoka Tech. Coll. Res. Rep.
See: Res. Rep. Nagaoka Tech. Coll. (Japan)

Nagasaki Daigaku Kogakubu Kenkyu Hokoku
See: Rep. Fac. Eng. Nagasaki Univ. (Japan)

Nagasaki Univ. Fac. Eng. Rep.
See: Rep. Fac. Eng. Nagasaki Univ. (Japan)

Nagoya Daigaku Kogakubu Jido Seigyo Kenkyu Shisetsu Hokoku
See: Res. Rep. Autom. Control Lab. Fac. Eng. Nagoya Univ. (Japan)

Nagoya Inst. Technol. Bull.
See: Bull. Nagoya Inst. Technol. (Japan)

Nagoya Kogyo Daigaku Gakuho
See: Bull. Nagoya Inst. Technol. (Japan)

Nagoya Kogyo Gijutsu Shikensho Hokoku
See: Rep. Gov. Ind. Res. Inst. Nagoya (Japan)

Nagoya Univ. Cosmic-Ray Res. Lab. Proc.
See: Proc. Cosmic-Ray Res. Lab. Nagoya Univ. (Japan)

Nagoya Univ. Fac. Eng. Autom. Control Lab. Res. Rep.
See: Res. Rep. Autom. Control Lab. Fac. Eng. Nagoya Univ. (Japan)

Nagoya Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Nagoya Univ. (Japan)

Nagoya Univ. Res. Inst. Atmos. Proc.
See: Proc. Res. Inst. Atmos. Nagoya Univ. (Japan)

Nanjing Inst. Technol. J.
See: J. Nanjing Inst. Technol. (China)

Nat. Resour. Forum (GB) (vol.7, no.4 Oct. 1983—)
Coden: NRSFAT ISSN 0165-0203
Natural Resources Forum Formerly: Nat. Resour. Forum (Netherlands)
Graham & Trotman Ltd., Sterling House, 66 Wilton Road, London SW1V 1DE, England

Nat. Resour. Forum (Netherlands) (vol.1, no.1 Oct. 1976—)
Coden: NRSFAT ISSN 0165-0203
Natural Resources Forum Title changed to: Nat. Resour. Forum (GB)

Natl. Acad. Sci. India Proc. Sect. A
See: Proc. Natl. Acad. Sci. India Sect. A

Natl. Acad. Sci. Lett. (India) (vol.1, no.4 April 1978—)
Coden: NASLDX ISSN 0250-541X
National Academy Science Letters National Academy of Sciences, India, 5-Lajpat Rai Road, Allahabad 21 10 02, India

Natl. Acad. Sci. USA Proc.
See: Proc. Natl. Acad. Sci. USA

Natl. Bur. Stand. J. Res.
See: J. Res. Natl. Bur. Stand. (USA)

Natl. Contract Manage. J. (USA) (vol.16, no.1 Summer 1982—)
Coden: NCMJB9
National Contract Management Journal National Contract Management Association, 6728 Old McLean Village Drive, McLean, VA 22101, USA

Natl. Def. Acad. (Jpn.) Sci. & Eng. Rep.
See: Sci. & Eng. Rep. Natl. Def. Acad. (Jpn.) (Japan)

Natl. Def. Acad. Mem.
See: Mem. Natl. Def. Acad. (Japan)

Natl. Electron. Rev. (GB) (vol.7, no.2 March-April 1971—)
Coden: NEREBX ISSN 0305-2257
National Electronics Review Formerly: NEC Rev. (GB)
National Electronics Council, Abell House, John Islip Street, London, SW1P 4LN, England

Natl. Res. Counc. Thailand J.
See: J. Natl. Res. Counc. Thailand

Natl. Res. Inst. Met. Trans.
See: Trans. Natl. Res. Inst. Met. (Japan)

Natl. Res. Lab. Metrol. Bull.
See: Bull. NRLM (Japan)

Natl. Tech. Rep. (Japan) (vol.14, no.5 Oct. 1968—)
Coden: NTROAV ISSN 0028-0291
National Technical Report Matsushita Electric Ind. Co. Ltd., Moriguchi, Osaka, Japan

Nature (GB) (1968—)
Coden: NATUAS ISSN 0028-0836
Nature Macmillan Journals Ltd., 4 Little Essex Street, London WC2R 3LF, England. Incorporates Nature (Phys. Sci.) (GB)

Nature (Phys. Sci.) (GB) (vol.229, no.1 4 Jan. 1971—)
Coden: NPSCA6
Nature (Physical Science) Incorporated with Nature (GB) from 1974

Naturwissenschaften (Germany) (1968—)
Coden: NATWAY ISSN 0028-1042
Die Naturwissenschaften Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Nauchno-Tekh. Inf. Ser. 1 (USSR) (no.9 1969—)
Coden: NTOMAA
Nauchno-Tekhnicheskaya Informatsiya, Seriya 1 Baltiiskaya ul., D 14, 125219 Moskva, USSR

Nauchno-Tekh. Inf. Ser. 2 (USSR) (no.10 1969—)
Coden: NIPSBP ISSN 0548-0027
Nauchno-Tekhnicheskaya Informatsiya, Seriya 2 Baltiiskaya ul., D 14, 125219 Moskva, USSR [English translations of selected articles in:*Autom. Doc. & Math. Linguist. (USA)*]

Nauk. & Inf. (USSR) (no.5 1972—)
Coden: NVIFB8 ISSN 0374-3896
Naukovedenie i Informatika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Nav. Res. Logist. Q. (USA) (vol.18, no.1 March 1971—)
Coden: NRLQAR ISSN 0028-1441
Naval Research Logistics Quarterly John Wiley & Sons, 605 Third Avenue, New York, NY 10158, USA

Nav. Res. Rev. (USA) (vol.22, no.1 Jan. 1969—)
Coden: NARRA9 ISSN 0028-145X
Naval Research Reviews Department of the Navy, Office of Naval Research, Arlington, VA 22217, USA

Navigation (France) (vol.19, no.76 Oct. 1971—)
Coden: NVGNAL ISSN 0028-1530
Navigation Institut Francaise de Navigation, 3 avenue Octave-Greard, 75340 Paris Cedex 07, France

Navigation (Japan) (no.79 March 1984—)
Coden: KOKIBD ISSN 0450-660X
Navigation Japan Institute of Navigation, c/o Tokyo University of Mercantile Marine, 1-6, Etchujima 2, Koto-ku, Tokyo 135, Japan

Navigation (USA) (vol.20, no.3 Fall 1973—)
Coden: NAVIB3 ISSN 0028-1522
Navigation. Journal of the Institute of Navigation Institute of Navigation, Suite 832, 815 15th Street, N.W., Washington, DC 20005, USA

†**NDT Int. (GB)** (vol.9, no.4 Aug. 1976—)
Coden: NDITDS ISSN 0308-9126
NDT International Formerly: Non-Destr. Test. (GB)
Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

NEA Data Bank Newsl.
See: Newsl. NEA Data Bank (France)

†**NEC Res. & Dev. (Japan)** (no.11 April 1968—)
Coden: NECRAU ISSN 0547-051X
NEC Research and Development Nippon Electric Co. Ltd., 33-1, Shiba 5-chome, Minato-ku, Tokyo 108, Japan

NEC Rev. (GB) (vol.5, no.3 July 1969—)
Coden: NERVBG
NEC Review Title changed to: Natl. Electron. Rev. (GB)

Ned. Tijdschr. Natuurkd. (Netherlands) (1968—)
Coden: NTNKAX
Nederlands Tijdschrift voor Natuurkunde Title changed to: Ned. Tijdschr. Natuurkd. A (Netherlands)

Ned. Tijdschr. Natuurkd. A (Netherlands) (vol.43A, no.1 Feb. 1977—)
Coden: NTNAD6 ISSN 0378-6374
Nederlands Tijdschrift voor Natuurkunde A Formerly: Ned. Tijdschr. Natuurkd. (Netherlands)
Nederlandse Natuurkundige Vereniging, Princetonplein 5, 3508 TA Utrecht, Netherlands

NEI Rev. (GB) (vol.1, no.1 Summer 1978—)
Coden: NEIRDT ISSN 0264-5556
NEI Review Formerly: Reyrolle Parsons Rev. (GB)
Northern Engineering Industries Ltd., Hebburn, Tyne & Wear NE31 1UP, England

Network (GB) (vol.1, no.1 Aug. 1980—)
Coden: NETWDV ISSN 0140-8259
Network 121 Derby Road, Canning Circus, Nottingham, England

†**Networks (USA)** (vol.1, no.1 1971—)
Coden: NTWKAA ISSN 0028-3045
Networks John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA

Neue Tech. (Switzerland) (1968—)
Coden: NETEA8 ISSN 0028-3398
Neue Technik Diagonal Verlags AG, Zurcherstrasse 63, 5400 Baden, Switzerland

Neue Tech. Buero (Germany) (vol.15, no.2 April 1971—)
Coden: NTBUB4
Neue Technik im Buro (Journal of Data Processing and Office Machines) Title changed to: Neue Tech. Buero (Germany)

Neue Tech. Buero (Germany) (vol.25, no.5 Sept.-Oct. 1981—)
Coden: NTBUB4 ISSN 0323-8474
Neue Technik im Buro (Journal of Information Processing) Formerly: Neue Tech. Buero (Germany)
VEB Kombinat Robotron, DDR-8012 Dresden, Grunaer Strasse 2, Germany

New Electron. (GB) (vol.5, no.20 17 Oct. 1972—)
Coden: NWELAC ISSN 0047-9624
New Electronics International Thomson Publishing Ltd., Elm House, 10-16 Elm Street, London WC1X 0BP, England

†**New Generation Comput. (Japan)** (vol.1, no.1 1983—)
Coden: NGCOE5 ISSN 0288-3635
New Generation Computing Ohmsha Ltd., 1-3 Kanda Nishiki-cho, Chiyoda-ku, Tokyo 101, Japan. Distribution address: Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

New Phys. (Korean Phys. Soc.) (vol.11, no.1 March 1971—)
Coden: NWPYA4 ISSN 0374-4914
New Physics (Korean Physical Society) Korea Institute for Industrial Economics & Technology, P.O.Box 205, Chungryang, Seoul, Korea

New Sci. (GB) (vol.44, no.679 11 Dec. 1969—)
Coden: NWSCAL ISSN 0028-6664
New Scientist New Science Publications, Commonwealth House, 1-19 New Oxford Street, London WC1A 1NG, England. Incorporates Sci. J. (GB)

New Technol. (GB) (vol.8, no.34 17 Sept. 1984—)
ISSN 0264-1887
New Technology Formerly: Technology (GB)
Engineering Today Ltd., 55-57 Great Marlborough Street, London W1V 1DD, England

Newcastle-upon-Tyne Univ. Philos. Soc. Proc.
See: Proc. Univ. Newcastle-upon-Tyne Philos. Soc. (GB)

News Rohde & Schwarz (Germany) (vol.8, no.30 1968—)
Coden: NROSAE ISSN 0028-9108
News from Rohde and Schwarz Rohde and Schwarz, Muhldorfstrasse 15, Postfach 801469, 8000 Munchen 80, Germany

Newsl. NEA Data Bank (France) (no.23 Nov. 1979—)
Coden: NNEBDO ISSN 0253-2506
Newsletter of the NEA Data Bank Nuclear Energy Agency, NEA Data Bank, B.P. No. 9 (Bat. 45), F-91190 Gif sur Yvette, France

NHK Gijutsu Kenkyu
See: NHK Tech. J. (Japan)

NHK Lab. Note (Japan) (1968—)
Coden: NHKLA5 ISSN 0027-657X
NHK Laboratories' Note Nippon Hoso Kyokai, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

†**NHK Tech. J. (Japan)** (vol.22, no.1 1970—)
Coden: NHKTAT ISSN 0027-6553
NHK Technical Journal Formerly: Tech. J. Jap. Broadcast. Corp. (Japan)
NHK Technical Research Laboratories, Broadcasting Science Research Laboratories, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

NHK Tech. Monogr. (Japan) (1968—)
Coden: NHOKAM ISSN 0077-2631
NHK Technical Monograph Nippon Hoso Kyokai (Japan Broadcasting Corporation), 361 Kinuta-machi, Setagaya-ku, Tokyo, Japan

Nihon Daigaku Rikogaku Kenkyusho Shoho
See: J. Res. Inst. Sci. & Technol. Nihon Univ. (Japan)

Nihon Genshiryoku Gakkaishi
See: J. At. Energy Soc. Jpn. (Japan)

Nihon Kinzoku Gakkaishi
See: J. Jpn. Inst. Met. (Japan)

Nihon Koku Uchu Gakkaishi
See: J. Jpn. Soc. Aeronaut. & Space Sci. (Japan)

Nihon Onkyo Gakkaishi
See: J. Acoust. Soc. Jpn. (E) (Japan)

Nihon Onkyo Gakkaishi
See: J. Acoust. Soc. Jpn. (Japan)

Nihon Tokei Gakkaishi
See: J. Horol. Inst. Jpn. (Japan)

Nihon Univ. Res. Inst. Sci. & Technol. J.
See: J. Res. Inst. Sci. & Technol. Nihon Univ. (Japan)

Nihon Univ. Res. Inst. Sci. Technol. Rep.
See: Rep. Res. Inst. Sci. & Technol. Nihon Univ. (Japan)

Nippon Electr. Co. Res. & Dev.
See: NEC Res. & Dev. (Japan)

Nippon Hoso Kyokai Lab. Note
See: NHK Lab. Note (Japan)

Nippon Hoso Kyokai Tech. J.
See: NHK Tech. J. (Japan)

Nippon Hoso Kyokai Tech. Monogr.
See: NHK Tech. Monogr. (Japan)

NLL Rev. (GB) (vol.1, no.3 July 1971—)
Coden: NLLRBN
NLL Review Title changed to: BLL Rev. (GB)

Noise & Vib. Control Worldwide (GB) (vol.11, no.2 Feb. 1980—)
Coden: NVCWDV ISSN 0143-6481
Noise & Vibration Control Worldwide Formerly: Noise Control Vib. Isol. (GB)
Trade & Technical Press Ltd., Crown House, Morden, Surrey SM4 5EW, England

Noise Control & Vib. Reduct. (GB) (vol.3, no.1 March 1972—)
Coden: NCVRA9
Noise Control and Vibration Reduction Title changed to: Noise Control Vib. & Insul. (GB)

Noise Control Eng. (USA) (vol.2, no.1 Winter 1974—)
Coden: NCEGAR ISSN 0093-9978
Noise Control Engineering Title changed to: Noise Control Eng. J. (USA)

Noise Control Eng. J. (USA) (vol.19, no.3 Nov.-Dec. 1982—)
Coden: NCEJD5 ISSN 0093-9978
Noise Control Engineering Journal Formerly: Noise Control Eng. (USA)
Institute of Noise Control Engineering, P.O.Box 3206 Arlington Branch, Poughkeepsie, NY 12603, USA

Noise Control Vib. & Insul. (GB) (vol.6, no.10 Oct. 1975—)
Coden: NCVIDJ
Noise Control, Vibration and Insulation Formerly: Noise Control & Vib. Reduct. (GB) Title changed to: Noise Control Vib. Isol. (GB)

Noise Control Vib. Isol. (GB) (vol.9, no.1 Jan. 1978—)
Coden: NCISDI ISSN 0142-0933
Noise Control, Vibration Isolation Formerly: Noise Control Vib. & Insul. (GB) Title changed to: Noise & Vib. Control Worldwide (GB)

Non-Destr. Test. (GB) (vol.2, no.2 May 1969—)
Coden: NDETA5
Non-Destructive Testing Title changed to: NDT Int. (GB)

Nondestr. Test. Commun. (GB) (vol.1, no.2 1983—)
Coden: NTCOES ISSN 0278-0895
Nondestructive Testing Communications Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Nonlinear Anal. Theory, Methods & Appl. (GB) (vol.1, no.2 1977—)
Coden: NOANDD ISSN 0362-546X
Nonlinear Analysis Theory, Methods & Applications Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Nonlinear Vibr. Probl. (Poland) (no.18 1977—)
Coden: NLVBAO ISSN 0044-1597
Nonlinear Vibration Problems (Zagadnienia Drgan Nieliniowych) Formerly: Zagadnienia Drgan Nieliniowych (Poland)
Editorial address: 00-049 Warszawa, Swietokrzyska 21, Poland

Nord. Datanytt Data (Denmark) (vol.14, no.4 14 March 1983—)
Coden: NODADN ISSN 0108-8009
Nordisk Datanytt med Data Formerly: Data (Denmark)
Box 113, 1004 Kobenhavn K, Denmark

Nord. Tidskr. Informationsbehandling
See: BIT (Sweden)

Norelco Rep. (USA) (vol.15, no.3-4 July-Dec. 1968—)
Coden: NORRA5 ISSN 0029-1625
Norelco Reporter Title changed to: Electron Opt. Rep. (USA)

North East Coast Inst. Eng. Shipbuild. Trans.
See: Trans. North East Coast Inst. Eng. Shipbuild. (GB)

North. Eng. Ind. Rev.
See: NEI Rev. (GB)

Not. Ist. Autom. Univ. Roma (Italy) (vol.2, no.2-3 Dec. 1971—)
Coden: NIAUAN ISSN 0374-387X
Notiziario dell'Istituto di Automatica dell'Universita di Roma Universita Degli Studi, Citta Universitaria, 00100 Rome, Italy

Note Recens. & Not. (Italy) (1968—)
Coden: NRNOAV ISSN 0374-3829
Note Recensioni e Notizie Istituto Superiore Poste e Telecomunicazioni, Viale Europa 160, 00100 Roma, Italy

Notre Dame J. Formal Logic (USA) (vol.12, no.3 July 1971—)
Coden: NDJFAM ISSN 0029-4527
Notre Dame Journal of Formal Logic University of Notre Dame, P.O. Box 5, Notre Dame, IN 46556, USA

Nouv. Autom. (France) (vol.23, no.9-10 Sept.-Oct. 1978—)
Coden: NOAUDY ISSN 0220-8482
Nouvel Automatisme Formerly: Automatisme (France)
5 Place du Colonel Fabien, 75491 Paris Cedex 10, France

Nouv. J. Chim. (France) (vol.2, no.1 Jan. 1978—)
Coden: NJCHD4 ISSN 0398-9836
Nouveau Journal de Chimie CDR Centrale des Revues, 70 rue de Saint-Mande, B.P. No. 119, 93104 Montreuil Cedex, France

Nouv. Rev. Opt. (France) (vol.4, no.1 Jan.-Feb. 1973—)
Coden: NVROBC
Nouvelle Revue d'Optique Formerly: Nouv. Rev. Opt. Appl. (France) Title changed to: J. Opt. (France)

Nouv. Rev. Opt. Appl. (France) (vol.1, no.1 Jan.-Feb. 1970—)
Coden: NROPB6
Nouvelle Revue d'Optique Appliquee Formerly: Rev. Opt. (France) Title changed to: Nouv. Rev. Opt. (France)

NRCd Bull. (GB) (vol.5, no.2 Spring 1972—)
Coden: NRDBBB
NRCd Bulletin Title changed to: Reprogr. Q. (GB)

NTG-Fachber. (Germany) (vol.51 1975—)
Coden: NTGFDK ISSN 0341-0196
NTG-Fachberichte Formerly: Nachrichtentech. Fachber. (NTF) (Germany)
VDE-Verlag GmbH, 1000 Berlin 12, Bismarckstrasse 33, Germany

NTZ Arch. (Germany) (vol.4, no.1 Jan. 1982—)
Coden: NTZADW ISSN 0170-172X
NTZ Archiv VDE-Verlag GmbH, Bismarckstrasse 33, D-1000 Berlin 12, Germany

Nucl. & Chem. Waste Manage. (GB) (vol.2, no.1 1981—)
Coden: NCWMD2 ISSN 0191-815X
Nuclear and Chemical Waste Management Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Nucl. Active (S. Africa) (no.27 July 1982—)
Coden: NULABZ ISSN 0048-1025
Nuclear Active Atomic Energy Corporation of South Africa Ltd., P.O.Box 78687, Sandton 2146, Transvaal, South Africa

Nucl. Appl. & Technol. (USA) (vol.7, no.1 July 1969—)
Coden: NUATA2
Nuclear Applications and Technology Formerly: Nucl. Appl. (USA) Title changed to: Nucl. Technol. (USA)

Nucl. Appl. (USA) (1968—)
Coden: NUAPAO
Nuclear Applications Title changed to: Nucl. Appl. & Technol. (USA)

Nucl. Data A (USA) (1968—)
Coden: NDSAAI
Nuclear Data Section A Title changed to: Nucl. Data Tables (USA)

†**Nucl. Data Sheets (USA)** (vol.13, no.4 Dec. 1974—)
Coden: NDTSBA ISSN 0090-3752
Nuclear Data Sheets Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Nucl. Data Tables (USA) (vol.9, no.6 Aug. 1971—)
Coden: NTXAAJ
Nuclear Data Tables Formerly: Nucl. Data A (USA). Merged with At. Data (USA) to form At. Data & Nucl. Data Tables (USA)

Nucl. Energy (GB) (vol.17, no.1 Jan. 1978—)
Coden: NUEGAH ISSN 0140-4067
Nuclear Energy Formerly: J. Br. Nucl. Energy Soc. (GB)
British Nuclear Energy Society, 1-7 Great George Street, London SW1P 3AA, England

Nucl. Eng. & Des. (Netherlands) (vol.8, no.1 July 1968—)
Coden: NEDEAU ISSN 0029-5493
Nuclear Engineering and Design North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Nucl. Eng. & Des./Fusion (Netherlands) (vol.1, no.1 Jan. 1984—)
Coden: NEDFD2 ISSN 0167-899X
Nuclear Engineering and Design/Fusion North-Holland Physics Publishing, P.O.Box 103, 1000 AC Amsterdam, Netherlands

† indicates a journal abstracted completely

Nucl. Eng. (GB) (vol.21, no.3 May-June 1980—)
Coden: NUEND7 ISSN 0262-5091
Nuclear Engineer Formerly: J. Inst. Nucl. Eng. (GB)
Institution of Nuclear Engineers, 1 Penerley Road, London SE6 2LQ, England

Nucl. Eng. Int. (GB) (1968—)
Coden: NEINBF ISSN 0029-5507
Nuclear Engineering International Business Press International Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Nucl. Eur. (Switzerland) (vol.4, no.5 May 1984—)
Coden: NUEUDS
Nuclear Europe P.O.Box 2613, CH-3001 Berne, Switzerland

Nucl. Fusion & Plasma Phys. (China) (vol.4, no.1 1984—)
Coden: HYDWDP
Nuclear Fusion and Plasma Physics Subscription address: Guozi Shudian, P.O.Box 2820, Beijing, People's Republic of China

†**Nucl. Fusion (Austria)** (1968—)
Coden: NUFUAU ISSN 0029-5515
Nuclear Fusion (Fusion Nucleaire - Yadernyi Sintex Fusion Nuclear) Journal of Plasma Physics and Thermonuclear Fusion International Atomic Energy Agency, Wagramerstrasse 5, P.O.Box 100, A-1400 Vienna, Austria

†**Nucl. Fusion Suppl. (Austria)** (1981—)
Coden: NUFSAO
Nuclear Fusion Supplement Issued with: *Nucl. Fusion (Austria)*

Nucl. Instrum. & Methods (Netherlands) (1968—)
Coden: NUIMAL
Nuclear Instruments and Methods Title changed to: Nucl. Instrum. & Methods Phys. Res. (Netherlands)

Nucl. Instrum. & Methods Phys. Res. (Netherlands) (vol.185, no.1-3 15 June 1981—)
Coden: NIMRD9 ISSN 0167-5087
Nuclear Instruments and Methods in Physics Research Formerly: Nucl. Instrum. & Methods (Netherlands)
North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands. →Journal split into 2 parts: Nucl. Instrum. & Methods Phys. Res. Sect. A (Netherlands) and Nucl. Instrum. & Methods Phys. Res. Sect. B (Netherlands)

†**Nucl. Instrum. & Methods Phys. Res. Sect. A (Netherlands)** (vol.219, no.1 1 Jan. 1984—)
Coden: NIMRD9 ISSN 0167-5087
Nuclear Instruments & Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) North-Holland Physics Publishing, P.O.Box 103, 1000 AC Amsterdam, Netherlands. Supersedes in part: Nucl. Instrum. & Methods Phys. Res. (Netherlands)

†**Nucl. Instrum. & Methods Phys. Res. Sect. B (Netherlands)** (vol.229, no.1 Jan. 1984—)
Coden: NIMBEU ISSN 0168-583X
Nuclear Instruments & Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms) North-Holland Physics Publishing, P.O.Box 103, 1000 AC Amsterdam, Netherlands. Supersedes in part: Nucl. Instrum. & Methods Phys. Res. (Netherlands)

Nucl. Mater. Manage. (USA) (vol.8, no.4 Winter 1979-1980—)
Coden: NUMMB8
Nuclear Materials Management Title changed to: J. Inst. Nucl. Mater. Manage. (USA)

†**Nucl. Phys. A (Netherlands)** (1968—)
Coden: NUPABL ISSN 0375-9474
Nuclear Physics A North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Nucl. Phys. B (Netherlands) (1968—)
Coden: NUPBBO ISSN 0029-5582
Nuclear Physics B Title changed to: Nucl. Phys. B, Part. Phys. (Netherlands)

†**Nucl. Phys. B, Field Theory & Stat. Syst. (Netherlands)** (vol.B205[FS5], no.3 28 June 1982—)
Coden: NBSSDR ISSN 0550-3213
Nuclear Physics B, Field Theory and Statistical Systems Issued with: *Nucl. Phys. B, Part. Phys. (Netherlands)*

†**Nucl. Phys. B, Part. Phys. (Netherlands)** (vol.B201, no.1 14 June 1982—)
Coden: NUPBBO ISSN 0550-3213
Nuclear Physics B, Particle Physics Formerly: Nucl. Phys. B (Netherlands)
North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Nucl. Saf. (USA) (vol.22, no.2 March-April 1981—)
Coden: NUSAAZ ISSN 0029-5604
Nuclear Safety Oak Ridge National Laboratory, P.O.Box Y, Oak Ridge, TN 37830, USA

†**Nucl. Sci. & Eng. (USA)** (1968—)
Coden: NSENAO ISSN 0029-5639
Nuclear Science and Engineering American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

Nucl. Sci. Appl. Sect. A (Switzerland) (vol.1, no.1 1980—)
Coden: NSAPDD ISSN 0191-1686
Nuclear Science Applications, Section A Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

Nucl. Sci. Appl. Sect. B (Switzerland) (vol.1, no.4 1982—)
Coden: NSAPDD ISSN 0191-1686
Nuclear Science Applications, Section B Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

Nucl. Sci. J. (Taiwan) (vol.19, no.4 Dec. 1982—)
Coden: HTKHAB ISSN 0029-5647
Nuclear Science Journal Atomic Energy Council, Republic of China, 67 Lane 144, Keelung Road Sec. 4, Taipei, Taiwan 107, Republic of China

Nucl. Tech. (China) (no.1 Feb. 1981—)
Coden: NUTEDL ISSN 0253-3219
Nuclear Techniques Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

†**Nucl. Technol. (USA)** (vol.10, no.2 Feb. 1971—)
Coden: NUTYBB ISSN 0029-5450
Nuclear Technology Formerly: Nucl. Appl. & Technol. (USA)
American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

†**Nucl. Technol./Fusion (USA)** (vol.1, no.1 Jan. 1981—)
Coden: NTFUDQ ISSN 0272-3921
Nuclear Technology/Fusion American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

Nucl. Track Detect. (GB) (vol.1, no.1 1977—)
Coden: NTDED2
Nuclear Track Detection Title changed to: Nucl. Tracks Methods Instrum. & Appl. (GB)

Nucl. Tracks & Radiat. Meas. (GB) (vol.6, no.1 March 1982—)
Coden: NTRMDS ISSN 0191-278X
Nuclear Tracks and Radiation Measurements Formerly: Nucl. Tracks Methods Instrum. & Appl. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Nucl. Tracks Methods Instrum. & Appl. (GB) (vol.3, no.1-2 March-June 1979—)
Coden: NUTRDQ ISSN 0191-278X
Nuclear Tracks, Methods, Instruments and Applications Formerly: Nucl. Track Detect. (GB) Title changed to: Nucl. Tracks & Radiat. Meas. (GB)

Nucleus (Pakistan) (vol.7, no.1-2 Jan.-April 1970—)
Coden: NCLEAM ISSN 0029-5698
Nucleus Pakistan Atomic Energy Commission, P.O. Box 3112, Karachi-29, Pakistan

Nukleonika (Poland) (1968—)
Coden: NUKLAS ISSN 0029-5922
Nukleonika Polska Akademia Nauk, 00-901 Warszawa, Polac Kultury i Nauki, Poland

Numer. Eng. (GB) (vol.3, no.1 Feb. 1982—)
Coden: NUMEDK ISSN 0143-8115
Numerical Engineering British Numerical Control Society, Rochester House, 66 Little Ealing Lane, London W5 4XX, England

Numer. Funct. Anal. & Optimiz. (USA) (vol.1, no.6 1979—)
Coden: NFAODL ISSN 0163-0563
Numerical Functional Analysis and Optimization Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Numer. Heat Transfer (USA) (vol.1, no.1 Jan.-March 1978—)
Coden: NUHTD6 ISSN 0149-5720
Numerical Heat Transfer McGraw-Hill International Book Co., 1221 Avenue of the Americas, New York, NY 10020, USA

†**Numer. Math. (Germany)** (vol.15, no.4 1970—)
Coden: NUMMA7 ISSN 0029-599X
Numerische Mathematik Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany

†**Nuovo Cimento A (Italy)** (1968—)
Coden: NIFAAM ISSN 0369-4097
Il Nuovo Cimento. A Societa Italiana di Fisica, vialle XII Guigno 1, 40124 Bologna, Italy

†**Nuovo Cimento B (Italy)** (1968—)
Coden: NIFBAP ISSN 0369-4100
Il Nuovo Cimento. B Societa Italiana di Fisica, vialle XII Guigno 1, 40124 Bologna, Italy

†**Nuovo Cimento C (Italy)** (vol.1C, ser.1, no.1 Jan.-Feb. 1978—)
Coden: NIFCAS ISSN 0390-5551
Il Nuovo Cimento C Societa Italiana di Fisica, vialle XII Guigno 1, 40124 Bologna, Italy

†**Nuovo Cimento D (Italy)** (vol.1D, no.1 Jan.-Feb. 1982—)
Coden: NIFDAV ISSN 0392-6737
Nuovo Cimento D Societa Italiana di Fisica, viale XII Giugno 1, 40124 Bologna, Italy

O & M Bull. (GB) (vol.25, no.2 May 1970—)
Coden: GTOMAZ
O and M Bulletin Title changed to: Manage. Serv. Gov. (GB)

Observatory (GB) (1968—)
Coden: OBSEAR ISSN 0029-7704
Observatory Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex BN27 1RP, England

Ocean Eng. (GB) (vol.2, no.2 April 1971—)
Coden: OCENBQ ISSN 0029-8018
Ocean Engineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Oceanol. Acta (France) (vol.1, no.1 1977—)
Coden: OCACD9 ISSN 0399-1784
Oceanologica Acta Centrale des Revues Dunod-Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France

Oceanology (USA) (vol.8, no.3 1968—)
Coden: ONLGAE ISSN 0029-8158
Oceanology [Translation of: *Okeanologiya (USSR)*] American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

OEGAI J. (Austria) (no.1 1984—)
Coden: OGJOEH ISSN 0254-4326
OGAI-Journal Osterreichische Gesellschaft fur Artificial Intelligence, c/o Department for Medical Cybernetics, University of Vienna, Freyung 6/2, A-1010 Vienna, Austria

OEIAZ Oesterr. Ing.- & Archit.-Z. (Austria) (vol.127, no.1 Jan. 1982—)
Coden: OIAZDI ISSN 0721-9415
OIAZ Osterreichische Ingenieur- und Architekten-Zeitschrift Formerly: Oesterr. Ing.-Z. (Austria)
Springer-Verlag, A-1011 Wien, Postfach 367, Molkerbastei 5, Austria

Oelhydraul. & Pneum. (Germany) (1968—)
Coden: OEPNAQ ISSN 0341-2660
Olhydraulik und Pneumatik Krauskopf-Verlag fur Wirtschaft GmbH, Lessingstrasse 12-14, Postfach 2760, 65 Mainz, Germany

OEM Des. (GB) (vol.1, no.1 Oct. 1971—)
Coden: OEMDAF ISSN 0306-0381
OEM Design Mercury House Business Publications, Mercury House, Waterloo Road, London, SE1 8UL, England

OEP Off. Equip. & Prod. (Japan) (vol.10, no.1 1981—)
Coden: OEPRA4 ISSN 0387-5245
OEP Office Equipment & Products Dempa Publications Inc., 11-15, Higashi Gotanda 1-chome, Shinagawa-ku, Tokyo 141, Japan

Oesterr. Ing.-Z. (Austria) (1968—)
Coden: OSIZAN ISSN 0029-9219
Osterreichische Ingenieur-Zeitschrift Title changed to: OEIAZ Oesterr. Ing.- & Archit.-Z. (Austria)

Oesterr. Z. Elektrizitaetswirtsch. (OEZE) (Austria) (1968—)
Coden: OZELAA ISSN 0029-9618
Osterreichische Zeitschrift fur Elektrizitatswirtschaft Springer-Verlag, Molkerbastei 5, Postfach 357, A 1011 Wien, Austria

Off. Adm. & Autom. (USA) (vol.44, no.1 Jan. 1983—)
Coden: OAAUDF ISSN 0745-4325
Office Administration and Automation Geyer-McAllister Publications Inc., 51 Madison Avenue, New York, NY 10010, USA. Formed by merger of Adm. Manage. (USA) and Word Process. & Inf. Syst. (USA)

Off. Equip. & Prod.
See: OEP Off. Equip. & Prod. (Japan)

Off. Equip. Index (GB) (no.201 Aug. 1983—)
Coden: OEINET ISSN 0305-635X
Office Equipment Index Maclaren Publishers Ltd., P.O.Box 109, Croydon CR9 1QH, England

Off. Manage. (Germany) (vol.30, no.1 Jan. 1982—)
Coden: OFMADG ISSN 0343-2319
Office Management Formerly: Buerotechnik (Germany)
FBO GmbH, Postfach 3 16, Hermannstrasse 2, D-7570 Baden-Baden, Germany

Off. Syst. (GB) (1982—)
Office Systems IPC Electrical-Electronic Press Ltd., Quadrant House, Sutton, Surrey SM2 5AS, England

Off. Technol. & People (Netherlands) (vol.1, no.4 May 1983—)
Coden: OTPED5 ISSN 0167-5710
Office: Technology and People Elsevier Science Publishers B.V., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Office (USA) (vol.94, no.3 Sept. 1981—)
Coden: OFISAD ISSN 0030-0128
The Office Office Publications Inc., 1200 Summer Street, Stamford, CT 06904, USA

Offset Print. & Reprogr. (GB) (no.177 Oct. 1983—)
Coden: OPREEM ISSN 0263-4384
Offset Printing and Reprographics Maclean Hunter Ltd., 30 Old Burlington Street, London W1, England

Offshore Serv. & Technol. (GB) (vol.15, no.4 April 1982—)
Coden: OSTEDI
Offshore Services and Technology Formerly: Offshore Serv. (GB) Title changed to: Oilman (GB)

Offshore Serv. (GB) (Oct. 1973—)
Coden: OFSVA4
Offshore Services Formerly: Hydrospace (GB) Title changed to: Offshore Serv. & Technol. (GB)

Ogneupory (USSR) (no.12 1969—)
Coden: OGNPA2 ISSN 0369-7290
Ogneupory Moskvá G-34, 2-i, Obl'denskii, rep. 14, USSR [English translation in: *Refractories (USA)*]

Ohio CPA J. (USA) (vol.42, no.2 Spring 1983—)
Ohio CPA Journal Ohio Society of Certified Public Accountants, P.O.Box 306, 535 Metro Place South, Dublin, OH 43017-0306, USA

Oilman (GB) (Oct. 1982—)
Coden: OLMNAQ
The Oilman Formerly: Offshore Serv. & Technol. (GB)
Maclean Hunter Ltd., 30 Old Burlington Street, London W1X 2AE, England

Okayama Univ. Res. Lab. Surf. Sci. Rep.
See: Rep. Res. Lab. Surf. Sci. Okayama Univ. (Japan)

Okayama Univ. Sch. Eng. Mem.
See: Mem. Sch. Eng. Okayama Univ. (Japan)

Okeanologiya (USSR) (1968—)
Coden: OKNOAR ISSN 0030-1574
Okeanologiya 2 ya Tilografiya Iadatelvstva 'Nauka', Moskva, Shchybiiskii lep. 10, USSR [English translation in: *Oceanology (USA)*]

Oki Tech. Rev. (Japan) (1983—)
Coden: OTREDF
Oki Technical Review Oki Electric Industry Co. Ltd., 1-7-12 Toranomon, Minato-ku, Tokyo 105, Japan

Omega (GB) (vol.1, no.1 Feb. 1973—)
Coden: OMEGA6 ISSN 0305-0483
Omega Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Onde Electr. (France) (1968—)
Coden: ONELAS ISSN 0030-2430
L'Onde Electrique Masson et Cie, 120 bd. Saint-Germaine, 75280 Paris Cedex 06, France

Online (Germany) (no.1-2 Jan. 1981—)
Coden: OCOLD4 ISSN 0340-1545
Online Formerly: Online-ADL-Nachr. (Germany)
Verlagsgesellschaft Rudolf Muller GmbH, Stolberger Strasse 84, 5000 Koln 41, Germany

Online (USA) (vol.1, no.1 Jan. 1977—)
Coden: ONLIDN ISSN 0146-5422
Online Online Inc., Department 1A, 11 Tannery Lane, Weston, CT 06883, USA

Online Rev. (GB) (vol.1, no.1 March 1977—)
Coden: OLREDR ISSN 0309-314X
Online Review Learned Information (Europe) Ltd., Woodside, Hinksey Hill, Oxford OX1 5BP, England

Online-ADL-Nachr. (Germany) (no.1-2 1977—)
Coden: OANADK
Online-ADL-Nachrichten Formerly: ADL-Nachr. (Germany) Title changed to: Online (Germany)

Oper. Manage. Rev. (USA) (vol.3, no.1 Fall 1984—)
ISSN 0734-1458
Operations Management Review University of Texas at Austin, Department of Management, Austin, TX 78712, USA

Oper. Res. (USA) (vol.16, no.4 July-Aug. 1968—)
Coden: OPREAI ISSN 0030-364X
Operations Research Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

†**Oper. Res. Lett. (Netherlands)** (vol.1, no.1 Oct. 1981—)
Coden: ORLED5 ISSN 0167-6377
Operations Research Letters North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Oper. Res. Q. (GB) (1968—)
Coden: OPRQAK
Operational Research Quarterly Title changed to: J. Oper. Res. Soc. (GB)

Oper. Res. Soc. J.
See: J. Oper. Res. Soc. (GB)

Oper. Res. Soc. Jpn. J.
See: J. Oper. Res. Soc. Jpn. (Japan)

Oper. Res. Verfahren-Methods Oper. Res. (Germany) (vol.21 1975—)
Coden: ORVEAI
Operations Research Verfahren-Methods of Operations Research Title changed to: Methods Oper. Res. (Germany)

Oper. Syst. Rev. (USA) (vol.8, no.3 July 1974—)
Coden: OSRED8 ISSN 0163-5980
Operating Systems Review Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

Operations (USA) (vol.1, no.1 Sept. 1983—)
Coden: OPEREU ISSN 0743-023X
Operations Issued with: *Infosystems (USA)*

Ophthalmic & Physiol. Opt. (GB) (vol.3, no.1 1983—)
Coden: OPOPD5 ISSN 0275-5408
Ophthalmic & Physiological Optics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Opsearch (India) (vol.12, no.1-2 March-June 1975—)
Coden: OPSEAN ISSN 0030-3887
Opsearch Operational Research Society of India. Editorial address: Indian Statistical Institute, 7 SJS Sansanwal Marg, New Delhi - 110029, India

†**Opt. & Laser Technol. (GB)** (vol.2, no.4 Nov. 1970—)
Coden: OLTCAS ISSN 0030-3992
Optics and Laser Technology Formerly: Opt. Technol. (GB)
Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Opt. & Lasers Eng. (GB)** (vol.1, no.1 July-Sept. 1980—)
Coden: OLENDN ISSN 0143-8166
Optics and Lasers in Engineering Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

†**Opt. & Quantum Electron. (GB)** (vol.7, no.1 Jan. 1975—)
Coden: OQELDI ISSN 0306-8919
Optical and Quantum Electronics Formerly: Opto-Electron. (GB)
Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

†**Opt. & Spectrosc. (USA)** (1968—)
Coden: OPSUA3 ISSN 0030-400X
Optics and Spectroscopy [Translation of: *Opt. & Spektrosk. (USSR)*]
Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Opt. & Spektrosk. (USSR) (1968—)
Coden: OSFMA3 ISSN 0030-4034
Optika i Spektroskopiya Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Opt. & Spectrosc. (USA)*]

†**Opt. Acta (GB)** (1968—)
Coden: OPACAT ISSN 0030-3909
Optica Acta Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Opt. Appl. (Poland) (vol.10, no.1 1980—)
Coden: OPAPBZ ISSN 0078-5466
Optica Applicata Wroclaw Technical University Press, 50-370 Wroclaw, Wybreze Wyspianskiego 27, Poland

†**Opt. Commun. (Netherlands)** (vol.1, no.1 April 1969—)
Coden: OPCOB8 ISSN 0030-4018
Optics Communications North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Opt. Eng. (USA)** (vol.11, no.1 Jan.-Feb. 1972—)
Coden: OPEGAR ISSN 0091-3286
Optical Engineering Formerly: J. Soc. Photo-Opt. Instrum. Eng. (USA)
Society of Photo-Optical Instrumentation Engineers, P.O. Box 10, 405 Fieldston Road, Bellingham, WA 98225, USA

†**Opt. Lett. (USA)** (vol.1, no.1 July 1977—)
Coden: OPLEDP ISSN 0146-9592
Optics Letters Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Opt. Pura & Apl. (Spain) (1968—)
Coden: OPAPAY ISSN 0030-3917
Optica Pura y Aplicada Serrano 121, Madrid 6, Spain

Opt. Soc. Am. J.
See: J. Opt. Soc. Am. (USA)

Opt. Spectra (USA) (1968—)
Coden: OPTSA2 ISSN 0030-395X
Optical Spectra Title changed to: Photonics Spectra (USA)

Opt. Technol. (GB) (vol.1, no.5 Nov. 1969—)
Coden: OPTTA5
Optics Technology Title changed to: Opt. & Laser Technol. (GB)

Opt.-Mekh. Prom.-st. (USSR) (1968—)
Coden: OPMPAQ ISSN 0030-4042
Optiko-Mekhanicheskaya Promyshlennost Vasilov Optical Research Institute, Kaluzhskoye Chausee 32, Moskva, USSR [English translation in: *Sov. J. Opt. Technol. (USA)*]

†**Optik (Germany)** (1968—)
Coden: OTIKAJ ISSN 0030-4026
Optik Wissenschaftliche Verlagsgesellschaft, D-7000 Stuttgart 1, Postfach 40, Germany

Optimal Control Appl. & Methods (GB) (vol.1, no.1 Jan.-March 1980—)
Coden: OCAMD5 ISSN 0143-2087
Optimal Control Applications & Methods John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Optimum (Canada) (vol.13, no.3 1982—)
Coden: OPTIEA ISSN 0475-1906
Optimum Bureau of Management Consulting, Department of Supply and Services, Journal Building, 365 Laurier Avenue West, Ottawa K1A 0S5, Canada

Opto-Electron. (GB) (vol.1, no.1 Feb. 1969—)
Coden: OPELA8
Opto-Electronics Title changed to: Opt. & Quantum Electron. (GB)

Optoelektron. & Poluprovodn. Tekh. (USSR) (no.1 1982—)
Coden: OPTEDV
Optoelektronika i Poluprovodnikovaya Tekhnika Formerly: Poluprovodn. Tekh. & Mikroelektron. (USSR)
Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

OR Spektrum (Germany) (vol.1, no.1 1979—)
Coden: ORSPD5 ISSN 0171-6468
OR Spektrum Springer-Verlag, 3 Heidelberger Platz, D-1000 Berlin 33, Germany

Origins of Life (Netherlands) (vol.5, no.1-2 Jan.-April 1974—)
Coden: OGLFAU ISSN 0302-1688
Origins of Life Formerly: Space Life Sci. (Netherlands)
D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

† indicates a journal abstracted completely

ORSA/TIMS Bull. (USA) (no.2 1976—)
Coden: TIMBDR ISSN 0161-0295
ORSA/TIMS Bulletin Formerly: TIMS/ORSA Bull. (USA)
Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

Osaka City Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Osaka City Univ. (Japan)

Osaka Kogyo Gijutsu Shikenjo Hokoku
See: Rep. Gov. Ind. Res. Inst. Osaka (Japan)

Osaka Kogyo Gijutsu Shikensho Kiho
See: Bull. Gov. Ind. Res. Inst. Osaka (Japan)

Osaka Prefect. Univ. Bull. Ser. A
See: Bull. Univ. Osaka Prefect. Ser. A (Japan)

Osaka Univ. Sci. Rep.
See: Sci. Rep. Osaka Univ. (Japan)

Osaka Univ. Technol. Rep.
See: Technol. Rep. Osaka Univ. (Japan)

Otbor & Peredacha Inf. (USSR) (no.19 1969—)
Coden: OTPIAE ISSN 0474-8662
Otbor i Peredacha Informatsii Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Output (Switzerland) (vol.7, no.12 15 Dec. 1978—)
Coden: OUTPDV ISSN 0379-2501
Output Fachpresse Goldach Hudson & Co., CH-9403 Goldach, Switzerland

†Oxid. Met. (USA) (vol.10, no.3 June 1976—)
Coden: OXMEAF ISSN 0030-770X
Oxidation of Metals Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Oyo Butsuri (Applied Physics)
See: Oyo Buturi (Japan)

Oyo Buturi (Japan) (vol.37, no.8 Aug. 1968—)
Coden: OYBSA9 ISSN 0369-8009
Oyo Buturi Japan Society of Applied Physics, Room No. 209-2, Kikai-Shinko Building, 3 Shiba-Koen, Minato-ku, Tokyo, Japan

Oyo Denki Kenkyusho Gijutsu Hokoku (Japan) (no.3 1984—)
Coden: ODKHEE ISSN 0286-3189
Oyo Denki Kenkyusho Gijutsu Hokoku (Applied Electrical Research Institute, Technical Reports) Hokkaido University, Hokkaido, Japan

P.N. Lebedev Phys. Inst. Proc. (Tr.)
See: Proc. (Tr.) P.N. Lebedev Phys. Inst. (USA)

PAGE (GB) (no.43 Jan. 1980—)
Coden: PAGED8 ISSN 0030-9362
PAGE Editorial address: Dominic Boreham, 42 Campion Walk, Beaumont Leys, Leicester LE4 0PD, England. Secretary: John Landsdown, 50/51 Russell Square, London WC1B 4JX

Pak. J. Sci. (Pakistan) (1968—)
Coden: PAJSAS ISSN 0030-9877
Pakistan Journal of Science Pakistan Association for the Advancement of Science, 6-B Gulberg II, Lahore 11, Pakistan

Pak. J. Sci. Res. (Pakistan) (1968—)
Coden: PJSRAV ISSN 0552-9050
Pakistan Journal of Scientific Research Pakistan Association for the Advancement of Science, 6-B Gulberg II, Lahore 11, Pakistan

Parsons J. (GB) (vol.11, no.67 Christmas 1969—)
Coden: PAJOBH
Parsons Journal Title changed to: Reyrolle Parsons Rev. (GB)

†Part. Accel. (GB) (vol.1, no.1 March 1970—)
Coden: PLACBD ISSN 0031-2460
Particle Accelerators Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

†Pattern Recognition (GB) (vol.1, no.2 Nov. 1968—)
Coden: PTNRA8 ISSN 0031-3203
Pattern Recognition Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Pattern Recognition Lett. (Netherlands) (vol.1, no.1 Oct. 1982—)
Coden: PRLEDG ISSN 0167-8655
Pattern Recognition Letters North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

PC: Indep. Guide IBM Pers. Comput. (UK Ed.) (GB) (vol.1, no.1 May 1984—)
Coden: PIGCDO
PC: The Independent Guide to IBM Personal Computers (UK Edition)
VNU Business Publications BV, 62 Oxford Street, London W1A 6HG, England

PC Manage. (GB) (Oct. 1984—)
PC Management EMAP Business and Computer Publications Ltd., 67 Clerkenwell Road, London EC1R 5BH, England

PC Perspect. Newsl. (USA) (vol.3, no.7 July 1984—)
PC Perspectives Newsletter Architecture Technology Corp., P.O.Box 24344, Minneapolis, MN 55424, USA

PC User (GB) (May 1983—)
Coden: PCUSDW ISSN 0263-5720
PC User EMAP Business and Computer Publications, 57A Hatton Garden, London EC1N 8JD, England

PC Welt (Germany) (no.2 Feb. 1984—)
Coden: PCWEEZ ISSN 0175-0496
PC Welt CW-Publikationen Verlagsgesellschaft mbH, Friedrichstrasse 31, D-8000 Munchen 40, Germany

PEM Masch. + Anlagenbau (Germany) (no.11-12 Nov.-Dec. 1981—)
Coden: PEANDX
PEM Maschinen + Anlagenbau Formerly: Process Eng. (Germany) Title changed to: PEM Process Eng. Mag. (Germany)

PEM Process Eng. Mag. (Germany) (vol.22, no.9-10 Oct. 1982—)
Coden: PPEMEQ ISSN 0724-1720
PEM Process Engineering Magazine Formerly: PEM Masch. + Anlagenbau (Germany)
Sprechsaal Verlag, P.O.Box 401, D-8630 Coburg, Germany

†Performance Eval. (Netherlands) (vol.1, no.1 Jan. 1981—)
Coden: PEEVD9 ISSN 0166-5316
Performance Evaluation North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Performance Eval. Rev. (USA) (vol.9, no.1 Spring 1980—)
Coden: PEREDN ISSN 0163-5999
Performance Evaluation Review Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Period. Math. Hung. (Hungary) (vol.6, no.3 1975—)
Coden: PMHGAW ISSN 0031-5303
Periodica Mathematica Hungarica Akademiai Kiado, Alkotmany U 21, 1054 Budapest, Hungary

Period. Polytech. Electr. Eng. (Hungary) (1968—)
Coden: PPYTA7 ISSN 0324-6000
Periodica Polytechnica (Electrical EngineeringElektrotechnik) Kultura, H-1389 Budapest, P.O.B. 149, Hungary

Perkin-Elmer Tech. News (USA) (vol.10, no.1 June 1982—)
Coden: TNPEDI ISSN 0736-6965
Perkin-Elmer Technical News Perkin-Elmer Corp., Danbury, CT 06810, USA

Pers. & Prof. (USA) (vol.2, no.4 Aug.-Sept. 1984—)
Coden: PEPRDI
Personal and Professional Personal Press Inc., 161 East Hunting Park Avenue, Philadelphia, PA 19124, USA

Pers. Comput. (USA) (vol.7, no.9 Sept. 1983—)
Coden: PLCMDL ISSN 0192-5490
Personal Computing Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA

Pers. Comput. Today (GB) (vol.3, no.2 Sept. 1984—)
Personal Computing Today Argus Specialist Publications Ltd., 1 Golden Square, London W1R 3AB, England

Pers. Comput. World (GB) (vol.1, no.3 July 1978—)
Coden: PCWODU ISSN 0142-0232
Personal Computer World 62 Oxford Street, London W1, England

Pers. Manage. (GB) (May 1983—)
Coden: PRMNAB ISSN 0149-2675
Personnel Management Personnel Publications Ltd., 1 Hills Place, London W1R 1AG, England

†Perspect. Comput. (USA) (vol.1, no.1 Feb. 1981—)
Coden: PSCGDI ISSN 0273-4621
Perspectives in Computing International Business Machines Corp., Armonk, NY 10504, USA

†Phase Transitions (GB) (vol.1, no.1 Sept. 1979—)
Coden: PHTRDP ISSN 0141-1594
Phase Transitions Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Philips J. Res. (Netherlands) (vol.33, no.1-2 1978—)
Coden: PHJRD9 ISSN 0165-5817
Philips Journal of Research Formerly: Philips Res. Rep. (Netherlands)
Philips Research Laboratories, Building WBP, Room No. 42, Eindhoven, Netherlands

Philips Res. Rep. (Netherlands) (1968—)
Coden: PRREA9
Philips Research Reports Title changed to: Philips J. Res. (Netherlands)

Philips Tech. Rev. (Netherlands) (1968—)
Coden: PTREAN ISSN 0031-7926
Philips Technical Review Research Laboratories N.V. Philips Gloeikampenfabrieken, Eindhoven, Netherlands

†Philips Telecommun. Rev. (Netherlands) (1968—)
Coden: PTLRAW ISSN 0031-7934
Philips Telecommunication Review Philips' Telecommunicatie Industrie B.V., P.O. Box 82, Hilversum, Netherlands

Philos. Mag. (GB) (1968—)
Coden: PHMAA4
Philosophical Magazine Journal split into two parts: Philos. Mag. A and B (GB)

†Philos. Mag. A (GB) (vol.37A, no.1 Jan. 1978—)
Coden: PMAADG ISSN 0141-8610
Philosophical Magazine A (Physics of Condensed Matter, Defects and Mechanical Properties) Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England. Supersedes in part: Philos. Mag. (GB)

†Philos. Mag. B (GB) (vol.37B, no.1 Jan. 1978—)
Coden: PMABDJ ISSN 0141-8637
Philosophical Magazine B (Physics of Condensed Matter, Electronic, Optical and Magnetic Properties) Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England. Supersedes in part: Philos. Mag. (GB)

Philos. Sci. (USA) (vol.39, no.2 June 1972—)
Coden: PHSCA6 ISSN 0031-8248
Philosophy of Science Philosophy of Science Association, 18 Morrill Hall, Department of Philosophy, Michigan State University, East Lansing, MI 48823, USA

Philos. Trans. R. Soc. London A (GB) (1968—)
Coden: PTRMAD ISSN 0080-4614
Philosophical Transactions of the Royal Society of London A (Mathematical and Physical Sciences) 6 Carlton House Terrace, London SW1Y 5AG, England

Photobiochem. & Photobiophys. (Netherlands) (vol.2, no.1-2 March 1981—)
Coden: PHOPDS ISSN 0165-8646
Photobiochemistry and Photobiophysics Elsevier/North-Holland Biomedical Press, P.O.Box 211, 1000 AE Amsterdam, Netherlands

Photoelectr. Spectrom. Group Bull. (GB) (no.19 July 1970—)
Coden: PSGBAK
Photoelectric Spectrometry Group Bulletin Title changed to: UV Spectrom. Group Bull. (GB)

Photogr. Appl. Sci. Technol. & Med. (USA) (vol.7, no.4 July 1972—)
Coden: PHASBX
Photographic Applications in Science, Technology and Medicine Title changed to: Funct. Photogr. (USA)

Photogr. Sci. & Eng. (USA) (vol.15, no.5 Sept.-Oct. 1971—)
Coden: PSENAC ISSN 0031-8760
Photographic Science and Engineering Society of Photographic Scientists and Engineers, 7003 Kilworth Lane, Springfield, VA 22151, USA

Photogramm. Eng. & Remote Sensing (USA) (vol.41, no.3 March 1975—)
Coden: PERSDV ISSN 0099-1112
Photogrammetric Engineering and Remote Sensing Formerly: Photogramm. Eng. (USA)
American Society of Photogrammetry, 105 North Virginia Avenue, Falls Church, VA 22046, USA

Photogramm. Eng. (USA) (vol.34, no.12 Dec. 1968—)
Coden: PGMEA9
Photogrammetic Engineering Title changed to: Photogramm. Eng. & Remote Sensing (USA)

Photogramm. Rec. (GB) (vol.11, no.63 April 1984—)
Coden: PGREAY ISSN 0031-868X
Photogrammetic Record Photogrammetic Society. Editorial address: Department of Photogrammetry and Surveying, University College London, Gower Street, London WC1E 6BT, England

Photogrammetria (Netherlands) (vol.25, no.5-6 April 1970—)
Coden: PTGMAQ ISSN 0031-8663
Photogrammetria Elsevier Science Publishers B.V., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Photonics Spectra (USA) (vol.16, no.1 Jan. 1982—)
Coden: PHSAD3 ISSN 0191-0647
Photonics Spectra Formerly: Opt. Spectra (USA)
Optical Publishing Co. Inc., Berkshire Common, P.O.Box 1146, Pittsfield, MA 01202, USA

Phys. & Chem. Earth (GB) (vol.12 1980—)
Coden: PCEAAV ISSN 0079-1946
Physics and Chemistry of the Earth Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Phys. & Chem. Glasses (GB) (1968—)
Coden: PCGLA6 ISSN 0031-9090
Physics and Chemistry of Glasses (Section B of the Journal of the Society of Glass Technology) Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield, S10 5BT, England

†**Phys. & Chem. Liq. (GB)** (1968—)
Coden: PCLQAC ISSN 0031-9104
Physics and Chemistry of Liquids Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London WC2, England

Phys. & Chem. Mater. Treat. (GB) (vol.17, no.4 1983—)
Coden: PCMTEU ISSN 0264-729X
Physics and Chemistry of Materials Treatment [Translation of: *Fiz. & Khim. Obrab. Mater. (USSR)*] V.E. Riecansky Technical Translations, 22 Horseshoe Close, Balsham, Cambridge CB1 6EQ, England

Phys. & Chem. Miner. (Germany) (vol.3, no.2 1978—)
Coden: PCMIDU ISSN 0342-1791
Physics and Chemistry of Minerals Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Phys. Bl. (Germany) (1968—)
Coden: PHBLAG ISSN 0031-9279
Physikalische Blatter Physik-Verlag GmbH, D-6940 Weinheim/Bergstrasse, Pappelalle 3, PB 1260-80, Germany

Phys. Bull. (GB) (vol.20 March 1969—)
Coden: PHSBB4 ISSN 0031-9112
Physics Bulletin Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

Phys. Chem. & Mech. Surf. (GB) (vol.1, no.12 1984—)
Coden: PCMSER ISSN 0734-1520
Physics, Chemistry and Mechanics of Surfaces [Translation of: *Poverkhn. Fiz. Khim. Mekh. (USSR)*] Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Phys. Condens. Matter (Germany) (vol.17, no.1 1973—)
Coden: PCOMBG
Physics of Condensed Matter Formerly: Phys. Kondens. Mater. (Germany)
Title changed to: Z. Phys. B (Germany)

Phys. Daten (Germany) (no.17-1 1981—)
Coden: PHDADU ISSN 0344-8401
Physik Daten (Physics Data) Fachinformationszentrum Energie Physik Mathematik GmbH Karlsruhe, 7514 Eggenstein-Leopoldshafen 2, Germany

Phys. Earth & Planet. Inter. (Netherlands) (vol.1, no.1 Oct. 1967—)
Coden: PEPIAM ISSN 0031-9201
Physics of the Earth and Planetary Interiors Elsevier Scientific Publishing Co., P.O.Box 211, 1000 AM Amsterdam, Netherlands

Phys. Educ. (GB) (1968—)
Coden: PHEDA7 ISSN 0031-9120
Physics Education Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**Phys. Energ. Fortis & Phys. Nucl. (China)** (vol.2, no.1 Jan. 1978—)
Coden: KNWLD9 ISSN 0254-3052
Physica Energiae Fortis et Physica Nuclearis Science Press, Peking, People's Republic of China. Subscription address: Guozo Shudian, P.P. Box 399, Peking

†**Phys. Fluids (USA)** (1968—)
Coden: PFLDAS ISSN 0031-9171
Physics of Fluids American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Kondens. Mater. (Germany) (1968—)
Coden: PKOMA3
Physik der Kondensierten Materie Title changed to: Phys. Condens. Matter (Germany)

†**Phys. Lett. A (Netherlands)** (1968—)
Coden: PYLAAG ISSN 0375-9601
Physics Letters A North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Phys. Lett. B (Netherlands)** (1968—)
Coden: PYLBAJ ISSN 0370-2693
Physics Letters B North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Phys. Med. & Biol. (GB)** (1968—)
Coden: PHMBA7 ISSN 0031-9155
Physics in Medicine and Biology Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

Phys. Met. & Metallogr. (GB) (1968—)
Coden: PHMMA6 ISSN 0031-918X
Physics of Metals and Metallography [Translation of: *Fiz. Met. & Metalloved. (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†**Phys. Met. (GB)** (vol.3, no.1 1981—)
Coden: PMTSDT ISSN 0275-9144
Physics of Metals [Translation of: *Metallofizika, Kiev (USSR)*] Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†**Phys. Rep. (Netherlands)** (vol.44, no.3 Aug. 1978—)
Coden: PRPLCM ISSN 0370-1573
Physics Reports Formerly: Phys. Rep. Phys. Lett. Sect C (Netherlands)
North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Phys. Rep. Phys. Lett. Sect. C (Netherlands) (vol.1C, no.1 March 1971—)
Coden: PRPLCM
Physics Reports. Physics Letters Section C Title changed to: Phys. Rep. (Netherlands)

Phys. Rev. (USA) (1968—)
Coden: PHRVAO
Physical Review Journal split into 4 parts: Phys. Rev. A, B, C, D (USA)

†**Phys. Rev. A (USA)** (vol.1, no.1 Jan. 1970—)
Coden: PLRAAN ISSN 0556-2791
Physical Review A (General Physics) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Supersedes in part: Phys. Rev. (USA)

†**Phys. Rev. B (USA)** (vol.19, no.1 1 Jan. 1979—)
Coden: PRBMDO ISSN 0163-1829
Physical Review B (Condensed Matter) Formerly: Phys. Rev. B (USA)
Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Rev. B (USA) (vol.1, no.1 Jan. 1970—)
Coden: PLRBAQ
Physical Review B (Solid State) Title changed to: Phys. Rev. B (USA)

†**Phys. Rev. C (USA)** (vol.1, no.1 Jan. 1970—)
Coden: PRVCAN ISSN 0556-2813
Physical Review C (Nuclear Physics) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Supersedes in part: Phys. Rev. (USA)

†**Phys. Rev. D (USA)** (vol.1, no.1 Jan. 1970—)
Coden: PRVDAQ ISSN 0556-2821
Physical Review D (Particles and Fields) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Supersedes in part: Phys. Rev. (USA)

†**Phys. Rev. Lett. (USA)** (1968—)
Coden: PRLTAO ISSN 0031-9007
Physical Review Letters Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**Phys. Scr. (Sweden)** (vol.1, no.1 1970—)
Coden: PHSTBO ISSN 0031-8949
Physica Scripta Formerly: Ark. Fys. (Sweden)
Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden

Phys. Sintering (Yugoslavia) (vol.3, no.1 Jan. 1971—)
Coden: PHSNB6
Physics of Sintering Title changed to: Sci. Sintering (Yugoslavia)

Phys. Soc. Jpn. J.
See: J. Phys. Soc. Jpn. (Japan)

†**Phys. Status Solidi a (Germany)** (vol.1, no.1 1970—)
Coden: PSSABA ISSN 0031-8965
Physica Status Solidi A Akademie-Verlag, DDR 108 Berlin, Leipziger Strasse 3-4, Germany

†**Phys. Status Solidi b (Germany)** (1968—)
Coden: PSSBBD ISSN 0370-1972
Physica Status Solidi b Akademie-Verlag, DDR 108 Berlin, Leipzigerstrasse 3-4, Germany

Phys. Teach. (USA) (vol.11, no.5 May 1973—)
Coden: PHTEAH ISSN 0031-921X
Physics Teacher American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Technol. (GB) (vol.4, no.1 1973—)
Coden: PHYTBK ISSN 0305-4624
Physics in Technology Formerly: Rev. Phys. Technol. (GB)
Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

Phys. Today (USA) (1968—)
Coden: PHTOAD ISSN 0031-9228
Physics Today American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**Physica A (Netherlands)** (1968—)
Coden: PHYSAG ISSN 0378-4371
Physica A North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Physica B & C (Netherlands)** (vol.79, no.1 Jan. 1975—)
Coden: PHBCDQ ISSN 0378-4363
Physica B & C North-Holland Publishing Co., P.O.Box 103, 1000 AC Amsterdam, Netherlands

†**Physica D (Netherlands)** (vol.1d, no.1 April 1980—)
Coden: PDNPDT ISSN 0167-2789
Physica D North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Pis'ma v Astron. Zh. (USSR)** (vol.1, no.2 1975—)
Coden: PAZHDA ISSN 0320-0108
Pis'ma v Astronomicheskie Zhurnal Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. Lett. (USA)*]

†**Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)** (vol.25, no.8 20 April 1977—)
Coden: PZETAB ISSN 0370-274X
Pis'ma v Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki Formerly: Zh. Eksp. & Teor. Fiz. Pis'ma v Red. (USSR)
Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *JETP Lett. (USA)*]

Pis'ma v Zh. Tekh. Fiz. (USSR) (vol.1, no.1 12 Feb. 1975—)
Coden: PZTFDD
Pis'ma v Zhurnal Tekhnicheskoi Fizika Izdatel'stvo 'Nauka', Leningrad, USSR [English translation in: *Sov. Tech. Phys. Lett. (USA)*]

PITCOM Inf. Technol. & Public Policy (GB) (vol.2, no.3 1984—)
ISSN 0263-614X
PITCOM Information Technology & Public Policy Longman Group Ltd., 6th Floor, Westgate House, The High, Harlow, Essex CM20 1NE, England

Pixel. Comput. Graphics, CAD/CAM, Image Process. (Italy) (vol.2, no.2 1981—)
Coden: PIXEDD ISSN 0392-8217
Pixel. Computer Graphics, CAD/CAM, Image Processing Editrice Il Rostro s.a.s., Via Monte Generoso 6/A, 20155 Milano, Italy

†**Planet. & Space Sci. (GB)** (1968—)
Coden: PLSSAE ISSN 0032-0633
Planetary and Space Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Plant Eng. (GB) (vol.15, no.7 July 1971—)
Coden: PLEGAA ISSN 0032-0838
Plant Engineer Institution of Plant Engineers, 138 Buckingham Palace Road, London, SW1W 9SG, England. Batiste Publication Ltd., Drummond House, 203-209 Gower Street, London, NW1

Plasma Chem. & Plasma Process. (USA) (vol.3, no.1 March 1983—)
Coden: PCPPDW ISSN 0272-4324
Plasma Chemistry and Plasma Processing Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

†**Plasma Phys. & Controlled Fusion (GB)** (vol.26, no.1A Jan. 1984—)
Coden: PPCFET ISSN 0741-3335
Plasma Physics and Controlled Fusion Formerly: Plasma Phys. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Plasma Phys. (GB) (1968—)
Coden: PLPHBZ ISSN 0032-1028
Plasma Physics Title changed to: Plasma Phys. & Controlled Fusion (GB)

Plast. & Polym. (GB) (vol.40, no.145 Feb. 1972—)
Coden: PLPOBM
Plastics and Polymers Title changed to: Plast. & Rubber (GB)

Plast. & Rubber (GB) (vol.1, no.1 Dec. 1975—)
Coden: PLRUDI
Plastics and Rubber Formerly: Plast. & Polym. (GB) Title changed to: Plast. & Rubber Int. (GB)

Plast. & Rubber Int. (GB) (vol.2, no.1 Jan.-Feb. 1977—)
Coden: PRUID5 ISSN 0309-4561
Plastics and Rubber International Formerly: Plast. & Rubber (GB)
Plastics and Rubber Institute, 11 Hobart Place, London SW1W 0HL, England

Plast. & Rubber Process. & Appl. (GB) (vol.2, no.1 March 1982—)
Coden: PPAPDE ISSN 0144-6045
Plastics and Rubber Processing and Applications Published for the Plastics and Rubber Institute by Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Plast. Eng. (USA) (vol.29, no.8 Aug. 1973—)
Coden: PLEGBB ISSN 0091-9578
Plastics Engineering Formerly: SPE J. (USA)
Society of Plastics Engineers Inc., 14 Fairfield Drive, Brookfield Center, CT 06805, USA

Plaste & Kautsch. (Germany) (1968—)
Coden: PLKAAM ISSN 0048-4350
Plaste und Kautschuk VEB Deutscher Verlag fur Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany

Plat. & Surf. Finish. (USA) (vol.62, no.5 May 1975—)
Coden: PSFMDH ISSN 0360-3164
Plating and Surface Finishing Formerly: Plating (USA)
American Electroplaters' Society Inc., 12644 Research Parkway, Orlando, FL 32826, USA

Plating (USA) (vol.56, no.11 Nov. 1969—)
Coden: PLATAT
Plating Title changed to: Plat. & Surf. Finish. (USA)

Podstawy Sterowania (Poland) (vol.1, no.3-4 1971—)
Coden: PDSTAT ISSN 0374-4094
Podstawy Sterowania Zaklad Systemow Automatyki Kompleksowej PAN, Gliwice, ul. Zwyciestwa 21, Poland

Pol. Tech. Rev. (Poland) (no.6 1971—)
Coden: PTRWA9 ISSN 0032-3012
Polish Technical Review 00-950 Warszawa, Czackiego 3/5, P.O.B. 1004, Poland

Polim. Tworzywa Wielkoczasteczkowe (Poland) (vol.13, no.8 Aug. 1968—)
Coden: POLIA4 ISSN 0032-2725
Polimery Tworzywa Wielkoczastecskowe Instytut Tworzyw Sztucznczy, ul. Rydygiera 8, Warszawa 86, Poland

Poluprovodn. Tekh. & Mikroelektron. (USSR) (no.7 1972—)
Coden: PTMUAC ISSN 0554-6222
Poluprovodnikovaya Tekhnika i Mikroelektronika Title changed to: Optoelektron. & Poluprovodn. Tekh. (USSR)

Polyhedron (GB) (vol.1, no.1 1982—)
Coden: PLYHDE ISSN 0277-5387
Polyhedron Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Formed by merger of Inorg. & Nucl. Chem. Lett. (GB) and J. Inorg. & Nucl. Chem. (GB)

Polym. Bull. (Germany) (vol.1, no.3 Nov. 1978—)
Coden: POBUDR ISSN 0170-0839
Polymer Bulletin Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Polym. Commun. (GB) (vol.24, no.1 Jan. 1983—)
Coden: POCOEF ISSN 0263-6476
Polymer Communications Issued with: *Polymer (GB)*

Polym. Compos. (USA) (vol.3, no.1 Jan. 1982—)
Coden: PCOMDI ISSN 0272-8397
Polymer Composites Society of Plastics Engineers Inc., 14 Fairfield Drive, Brookfield Center, CT 06805, USA

Polym. Eng. & Sci. (USA) (vol.20, no.1 Jan. 1980—)
Coden: PYESAZ ISSN 0032-3888
Polymer Engineering and Science Society of Plastics Engineers Inc., 14 Fairfield Drive, Brookfield Center, CT 06805, USA

Polym. Mech. (USA) (1968—)
Coden: PLYMAQ
Polymer Mechanics Title changed to: Mech. Compos. Mater. (USA)

Polym. News (GB) (vol.1, no.4-5 1971—)
Coden: PLYNBU ISSN 0032-3918
Polymer News Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Polym. Process Eng. (USA) (vol.1, no.1 1983—)
Coden: PPEGD7 ISSN 0735-7931
Polymer Process Engineering Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Polym. Sci. USSR (GB) (vol.13, no.2 1971—)
Coden: PYSCAN ISSN 0032-3950
Polymer Science U.S.S.R [Translation of: *Vysokomol. Soedin. Ser. A (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Polym. Test. (GB) (vol.3, no.1 1982—)
Coden: POTEDZ ISSN 0142-9418
Polymer Testing Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Polymer (GB) (vol.12, no.1 Jan. 1971—)
Coden: POLMAG ISSN 0032-3861
Polymer Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Polyscope Autom. & Elektron. (Switzerland) (vol.13, no.15 2 Oct. 1981—)
Coden: PLYSDD ISSN 0228-7099
Polyscope, Automatik und Elektronik Title changed to: Polyscope Comput. + Elektron. (Switzerland)

Polyscope Comput. + Elektron. (Switzerland) (vol.14, no.19 7 Oct. 1982—)
Coden: PCELDX ISSN 0254-2234
Polyscope, Computer + Elektronik Formerly: Polyscope Autom. & Elektron. (Switzerland)
Verlag Binkert AG, Postfach 32, 4335 Laufenburg, Switzerland

Polytech. Tijdschr. Elektrotech. Elektron. (Netherlands) (vol.23, no.19 13 Sept. 1968—)
Coden: PTEEBR
Polytechnisch Tijdschrift Elektrotechniek Elektronica Title changed to: PT/Elektrotech. Elektron. (Netherlands)

Polytech. Tijdschr. Procestech. (Netherlands) (vol.23, no.19 13 Sept. 1968—)
Coden: PTPTBP
Polytechnisch Tijdschrift Procestechniek Title changed to: PT/Procestech. (Netherlands)

Polytech. Tijdschr. Werktuigbouw (Netherlands) (vol.23, no.19 13 Sept. 1968—)
Coden: PTWTAP
Polytechnisch Tijdschrift Werktuigbouw Title changed to: PT/Werktuigbouw (Netherlands)

Pomiary Autom. Kontrola (Poland) (1968—)
Coden: PAUKAP ISSN 0032-4140
Pomiary Automatyka Kontrola Wydawnictwa Czasopism Technicznych NOT, 00-950 Warszawa, Skrytka 1004, ul. Swietokrzyska 14a, Poland

Pop. Comput. (USA) (vol.1, no.1 Nov. 1981—)
Coden: PRCGDB ISSN 0194-8075
Popular Computing McGraw-Hill Inc., 70 Main Street, Peterborough, NH 03458, USA

Poroshk. Metall. (USSR) (no.5 1970—)
Coden: PMANAI ISSN 0032-4795
Poroshkovaya Metallurgiya Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR [English translation in: *Sov. Powder Metall. & Met. Ceram. (USA)*]

Port. Phys. (Portugal) (1968—)
Coden: POPYA4 ISSN 0048-4903
Portugaliae Physica Sociedade Portuguesa de Fisica, Avenida de Republica, 37-40, 1000 Lisboa, Portugal

Porto Univ. Fac. Eng. Rev.
See: Rev. Fac. Eng. Univ. Porto (Portugal)

Post Off. Electr. Eng. J. (GB) (1968—)
Coden: POEJA6 ISSN 0032-5287
Post Office Electrical Engineers' Journal Title changed to: Br. Telecommun. Eng. (GB)

Post Off. Telecommun. J. (GB) (vol.22, no.1 Spring 1970—)
Coden: PTLJA8
Post Office Telecommunications Journal Title changed to: Br. Telecom J. (GB)

Postepy Astron. (Poland) (vol.16, no.4 1968—)
Coden: PYAIAJ ISSN 0032-5414
Postepy Astronomii Export-Import Enterprise "Ruch", ul. Wilcza 46, P.O. Box 154, Warszawa, Poland

Postepy Fiz. (Poland) (vol.19, no.5 1968—)
Coden: PSTFAT ISSN 0032-5430
Postepy Fizyki Polskie Towarzystwo Fizykczne, 00-681 Warszawa, ul. Hoza 69, Poland

Poverkhn. Fiz. Khim. Mekh. (USSR) (1968—)
Coden: PFKMDJ ISSN 0207-3528
Poverkhnost'. Fizika, Khimiya, Mekhanika Izdatel'svto 'Nauka', 103717 GSP Moskva K-62, Podsosenskii Per. 21, USSR [English translation in: *Phys. Chem. & Mech. Surf. (GB)*]

Powder Metall. (GB) (vol.16, no.31 Spring 1973—)
Coden: PWMTAU ISSN 0032-5899
Powder Metallurgy Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Powder Metall. Int. (Germany) (vol.7, no.4 Nov. 1975—)
Coden: PWMIBW ISSN 0048-5012
Powder Metallurgy International Verlag Schmidt GmbH, D-78 Freiburg, P.O. Box 1722, Germany

Powder Technol. (Switzerland) (vol.2, no.6 Sept. 1969—)
Coden: POTEBX ISSN 0032-5910
Powder Technology Elsevier Sequoia S.A., P.O. Box 851 1001 Lausanne 1, Switzerland

Power (USA) (vol.113, no.4 April 1969—)
Coden: POWEAD ISSN 0032-5929
Power McGraw-Hill Inc., 1221 Avenue of the Americas, New York, NY 10020, USA

Power Eng. (Acad. Sci. USSR) (USA) (vol.12, no.1 1974—)
Coden: POENDL
Power Engineering - Academy of Sciences of the USSR Title changed to: Power Eng. (J. Acad. Sci. USSR) (USA)

†**Power Eng. (J. Acad. Sci. USSR) (USA)** (vol.19, no.5 1981—)
Coden: POENDL
Power Engineering - Journal of the Academy of Sciences of the USSR Formerly: Power Eng. (Acad. Sci. USSR) (USA)
[Translation of: *Izv. Akad. Nauk SSSR Energ. & Transp.*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Power Eng. (USA) (vol.74, no.4 April 1970—)
Coden: POENAI ISSN 0032-5961
Power Engineering Technical Publishing Co., 1301 South Grove Avenue, Barrington, IL 60010, USA

Power Ind. Res. (GB) (vol.2, no.1 Jan. 1982—)
Coden: PIREDH ISSN 0272-4952
Power Industry Research Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

Power Transm. Des. (USA) (vol.24, no.1 Jan. 1982—)
Coden: PWTDAH ISSN 0032-6070
Power Transmission Design Penton/IPC, 614 Superior Avenue West, Cleveland, OH 44113, USA

PowerConvers. Int. (USA) (vol.5, no.5 Sept.-Oct. 1979—)
Coden: POWIDS ISSN 0199-1884
PowerConversion International Intertec Communications Inc., 2909 Ocean Drive, Oxnard, CA 93030, USA

† indicates a journal abstracted completely

Pr. Inst. Elektrotech. (Poland) (vol.16, no.54 1968—)
Coden: PIELA4 ISSN 0032-6216
Prace Instytutu Elektrotechniki Instytut Elektrotechniki, ul. Pozaryskiego 28, Warszawa-Miedzylesie, Poland

†**Pr. Inst. Lacznosci (Poland)** (1968—)
Coden: PILZAD ISSN 0020-451X
Prace Instytutu Lacznosci Ul. Szachowa 1, Miedzeszyn, Warszawa, Poland

†**Pr. Inst. Tele- & Radiotech. (Poland)** (1968—)
Coden: PITRAT ISSN 0032-6259
Prace Instytutu Tele- i Radiotechnicznego Ul. Ratuszowa 11, Warszawa, Poland

Pr. Nauk. Inst. Cybern. Tech. Politech. Wroclaw. Ser. Konf. (Poland) (no.22 1981—)
Coden: PICWDU ISSN 0324-9794
Prace Naukowe Instytutu Cybernetyki Technicznej Politechniki Wroclawskiej, Seria: Konferencje Wydawnictwo Politechniki Wroclawskiej, Wybreze Wyspianskiego 27, 50-370 Wroclaw, Poland

Pr. Nauk. Inst. Fiz. Politech. Wroclaw. Ser. Monogr. (Poland) (no.6 1980—)
Coden: PIFWDB ISSN 0370-0828
Prace Naukowe Instytutu Fizyki Politechniki Wroclawskiej, Seria: Monografie Wydawnictwo Politechniki Wroclawskiej, Wybrzeze Wyspianskiego 27, 50-370 Wroclaw, Poland

Pr. Nauk. Inst. Metrol. Elektr. Politech. Wroclaw. Ser. Konf. (Poland) (no.16 (Konf. no.6) 1978—)
Coden: PNIKDP ISSN 0324-9557
Prace Naukowe Instytutu Metrologii Elektrycznej Politechniki Wroclawskiej Seria: Konferencje Wydawnictwo Politechniki Wroclawskiej, Wybrzeze Wyspianskiego 27, 50-370 Wroclaw, Poland

Pr. Nauk. Inst. Podstaw Elektrotech. & Elektrotechnol. Politech. Wroclaw. Ser. Monogr. (Poland) (no.18 1984—)
Coden: PNIPA3 ISSN 0324-945X
Prace Naukowe Instytutu Podstaw Elektrotechniki i Elektrotechnologii Politechniki Wroclawskiej, Seria: Monografie Wydawnictwo Politechniki Wroclawskiej, Wybzeze Wyspianskiego 27, 50-370 Wroclaw, Poland

Pr. Nauk. Inst. Technol. Elektron. Politech. Wroclaw. Ser. Monogr. (Poland) (no.23, monogr.7 1979—)
Coden: PNITBG ISSN 0084-280X
Prace Naukowe Instytutu Technologii Elektronowej Politechniki Wroclawskiej, Seria Monografie Wydawnictwo Politechniki Wroclawskiej, Wybrzeze Wyspianskiego 27, 50-370 Wroclaw, Poland

Pr. Nauk. Inst. Ukladow Elektromaszynowych Politech. Wroclaw. Ser. Monogr. (Poland) (no.32 1981—)
Coden: PIUWDI ISSN 0137-6284
Prace Naukowe Instytutu Ukladow Elektromaszynowych Politechniki Wroclawskiej, Seria: Monografie Wydawnictwo Politechniki Wroclawskiej, Wybreze Wyspanskiego 27, 50-370 Wroclaw, Poland

Pr. Osrodka Badaw.-Rozwojowego Elektron. Prozniowej (Poland) (vol.2, no.2 1974—)
Coden: POBRCH ISSN 0137-9909
Prace Osrodka Badawczo-Rozwojowego Elektroniki Prozniowej Editorial address: 00-241 Warszawa, ul. Dluga 44/50, Poland

Pr. Osrodka Badawczo-Rozwojowego Przetwornikow Obrazu (Poland) (no.2 1981—)
Coden: PBRODW
Prace Osrodka Badawczo-Rozwojowego Przetwornikow Obrazu Editorial address: Ul. Dluga 44-50, 00-241 Warszawa, Poland

Pr. Przem. Inst. Elektron. (Poland) (1968—)
Coden: PPIEAI ISSN 0509-7053
Prace Przemyslowego Instytutu Elektroniki Ul. Dluga 44/50, Warszawa, Poland

Pr. Przem. Inst. Telekomun. (Poland) (1968—)
Coden: PPITAT ISSN 0032-6283
Prace Przemyslowego Instytutu Telekomunikacji Editorial address: Skrytka Pacztowa Nr. 7, ul. Poligonowa 30, Warszawa 26, Poland

Pract. Comput. (GB) (Nov. 1978—)
Coden: PRCODZ ISSN 0141-5433
Practical Computing IPC Electrical-Electronic Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Pract. Electron. (GB) (vol.11, no.5 May 1975—)
Coden: PRELBY ISSN 0032-6372
Practical Electronics IPC Magazines Ltd., Oakfield House, Perrymount Road, Haywards Heath, West Sussex RH16 3DH, England

Pract. Robotics (GB) (Sept.-Oct. 1984—)
Practical Robotics ECC Publications Ltd., 2 Newington Green Road, Islington, London N1 4AQ, England

Pract. Wireless (GB) (vol.50, no.12 April 1975—)
Coden: PRWIBD ISSN 0141-0857
Practical Wireless IPC Magazines Ltd., Westover House, West Quay Road, Poole, Dorset BH15 1JG, England

Prague Bull. Math. Linguist. (Czechoslovakia) (no.16 1971—)
Coden: PBMLAT ISSN 0032-6585
Prague Bulletin of Mathematical Linguistics Algebraic Linguistics, Faculty of Mathematics and Physics, Charles University, Malostranske 25, 118 00 Prague 1, Czechoslovakia. Editorial address: Laboratory of Algebraic Linguistics, Praha 1, Malostranske nam. 25

Prakt. Metallogr. (Germany) (vol.8, no.10 Oct. 1971—)
Coden: PMTLA5 ISSN 0032-678X
Praktische Metallographie (Practical Metallography) Dr. Riederer-Verlag GmbH, d-7000 Stuttgart 1, Johannesstrasse 60, Postfach 447, Germany

†**Pramana (India)** (vol.1, no.1 July 1973—)
Coden: PRAMCI ISSN 0304-4289
Pramana Indian Academy of Sciences, Bangalore 560006, India

Prib. & Sist. Upr. (USSR) (1968—)
Coden: PRSUBT ISSN 0032-8154
Pribory i Sistemy Upravleniya Moscow. IGSP-110, Prospekt Mira 106, Komn. 5, USSR [English translation in: *Sov. J. Instrum. & Control (GB)*]

Prib. & Tekh. Eksp. (USSR) (1968—)
Coden: PRTEAJ ISSN 0032-8162
Pribory i Tekhnika Eksperimenta Agent: Mezhdunarodnaya Kniga Moskva, USSR [English translation in: *Instrum. & Exp. Tech. (USA)*]

Price Waterhouse Rev. (USA) (vol.17, no.2 Summer/Autumn 1972—)
Coden: PWTRBQ ISSN 0032-8170
Price Waterhouse Review Price Waterhouse & Co., 1251 Avenue of the Americas, New York, NY 10020, USA

Prikl. Geofiz. (USSR) (no.62 1971—)
Coden: PGVGAQ ISSN 0371-3970
Prikladnaya Geofizika Izdatel'sto 'Nedra', Moskva, K-12, Tret'yakovskii Proezd 1/19, USSR

Prikl. Mat. & Mekh. (USSR) (1968—)
Coden: PMAMAF ISSN 0032-8235
Prikladnaya Matematika i Mekhanika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva. Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Appl. Math. & Mech. (USA)*]

Prikl. Mekh. (USSR) (vol.7, no.12 Dec. 1971—)
Coden: PKMKAL ISSN 0032-8243
Prikladnaya Mekhanika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR [English translation in: *Sov. Appl. Mech. (USA)*]

Printout (GB) (vol.1, no.1 Dec. 1979—)
Coden: PRNODM
Printout Title changed to: Microcomput. Printout (GB)

Priroda (USSR) (no.1 1975—)
Coden: PRIRA3 ISSN 0032-874X
Priroda Izdatel'stvo 'Nauka', Moskva G-99, Shubinskii Per. 10, USSR

Probl. Bioniki (USSR) (no.7 1971—)
Coden: PBNKAV ISSN 0555-2656
Problemy Bioniki Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

†**Probl. Control & Inf. Theory (Engl. Transl. Pap. Russ.) (Hungary)** (vol.9, no.1 1980—)
Coden: PUTIAI ISSN 0370-2529
Problems of Control and Information Theory (English Translation of the Papers in Russian) Issued with: *Probl. Control & Inf. Theory (Hungary)*

Probl. Control & Inf. Theory (Hungary) (vol.1, no.1 1972—)
Coden: PUTIAI ISSN 0370-2529
Problems of Control and Information Theory Akademiai Kiado, Budapest 1363, P.O. Box 24, Hungary

Probl. Inf. Transm. (USA) (1968—)
Coden: PRITA9 ISSN 0032-9460
Problems of Information Transmission [Translation of: *Probl. Peredachi Inf. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Probl. Kibern. (USSR) (no.26 1973—)
Coden: PRKIAK
Problemy Kibernetiki Izdatel'stvo 'Nauka', Moskva, v-71, Leninskii Prospekt 15, USSR

Probl. Peredachi Inf. (USSR) (vol.4, no.2 1968—)
Coden: PPDIA5 ISSN 0555-2923
Problemy Peredachi Informatsii Moskva. E-24, Aviamotoriaya 8, Korp. 2, USSR [English translation in: *Probl. Inf. Transm. (USA)*]

Probl. Prochn. (USSR) (vol.4, no.1 Jan. 1972—)
Coden: PPCNBG ISSN 0556-171X
Problemy Prochnosti Editorial address: Academy of Sciences of the Ukrainian SSR, Kiev, USSR [English translation in: *Strength Mater. (USA)*]

Probl. Tekh. Elektrodin. (USSR) (no.33 1972—)
Coden: PTEDAN
Problemy Tekhnicheskoi Elektrodinamiki Title changed to: Tekh. Elektrodin. (USSR)

Probl. Tekh. Kibern. & Robotikata (Bulgaria) (vol.13 1981—)
Coden: PTKRDU ISSN 0204-9848
Problemy na Tekhnicheskata Kibernetika i Robotikata Formerly: Probl. Tekh. Kibern. (Bulgaria)
Institute of Engineering Cybernetics and Robotics, 1113 Sofia, Acad. G. Bonchev Street, Bl. IV, Bulgaria

Probl. Tekh. Kibern. (Bulgaria) (vol.8 1978—)
Coden: PTKID3
Problemy na Tekhnicheskata Kibernetika Title changed to: Probl. Tekh. Kibern. & Robotikata (Bulgaria)

Proc. & Trans. Rhod. Sci. Assoc. (Rhodesia) (vol.54, pt.2 Nov. 1970—)
Coden: PTRHAW
Proceedings and Transactions of the Rhodesia Scientific Association Title changed to: Trans. Rhod. Sci. Assoc. (Rhodesia)

Proc. (Tr.) P.N. Lebedev Phys. Inst. (USA) (vol.93 1979—)
ISSN 0568-5508
Proceedings (Trudy) of the P.N. Lebedev Physics Institute [Translation of: *Tr. Ordena Lenina Fiz. Inst. P.N. Lebedeva (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Proc. Astron. Soc. Aust. (Australia) (1968—)
Coden: AAUPBC ISSN 0066-9997
Proceedings of the Astronomical Society of Australia University Grounds, Sydney, N.S.W, Australia

Proc. Br. Ceram. Soc. (GB) (1968—)
Coden: PBRCAR ISSN 0524-5141
Proceedings of the British Ceramic Society Shelton House, Stoke-on-Trent, England

Proc. Cambridge Philos. Soc. (GB) (1968—)
Coden: PCPSA4
Proceedings of the Cambridge Philosophical Society Title changed to: Math. Proc. Cambridge Philos. Soc. (GB)

Proc. Cosmic-Ray Res. Lab. Nagoya Univ. (Japan) (vol.23, no.1 Feb. 1980—)
Coden: MUKKDH ISSN 0250-5444
Proceedings of the Cosmic-Ray Research Laboratory of Nagoya University Cosmic Ray Research Laboratory and Department of Physics, Nagoya University, Chikusa-ku, Nagoya, Japan

Proc. Egypt. Acad. Sci. (1968—)
Coden: PEASAB ISSN 0369-8874
Proceedings of the Egyptian Academy of Sciences 'Dar el Hikma', 42 Qasr el Aini Street, Cairo, Egypt

†**Proc. IEEE (USA)** (1968—)
Coden: IEEPAD ISSN 0018-9219
Proceedings of the IEEE Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

Proc. Indian Acad. Sci. Chem. Sci. (vol.89, no.1 Feb. 1980—)
Coden: PIAADM ISSN 0370-0089
Proceedings of the Indian Academy of Sciences, Chemical Sciences Bangalore 560 080, India. Supersedes in part: Proc. Indian Acad. Sci. Sect. A

Proc. Indian Acad. Sci. Earth & Planet. Sci. (vol.89, no.1 March 1980—)
Coden: PIESDS ISSN 0370-0089
Proceedings of the Indian Academy of Sciences, Earth and Planetary Sciences Bangalore 560 006, India. Supersedes in part: Proc. Indian Acad. Sci. Sect. A

Proc. Indian Acad. Sci. Eng. Sci. (vol.3, pt.1 March 1980—)
Coden: PRISD9 ISSN 0253-4096
Proceedings of the Indian Academy of Sciences, Engineering Sciences Formerly: Proc. Indian Acad. Sci. Sect. C Title changed to: Sadhana (India)

Proc. Indian Acad. Sci. Math. Sci. (vol.89, no.1 Jan. 1980—)
Coden: PIAMDO ISSN 0370-0089
Proceedings of the Indian Academy of Sciences, Mathematical Sciences Bangalore 560 080, India. Supersedes in part: Proc. Indian Acad. Sci. Sect. A

Proc. Indian Acad. Sci. Sect. A (1968—)
Coden: PISAA7
Proceedings of the Indian Academy of Sciences Section A Journal split into three sections: Proc. Indian Acad. Sci. Chem. Sci., Proc. Indian Acad. Sci. Math. Sci., and Proc. Indian Acad. Sci. Earth & Planet. Sci.

Proc. Indian Acad. Sci. Sect. C (vol.1, no.1 July 1978—)
Coden: PIASD8
Proceedings of the Indian Academy of Sciences, Section C: Engineering Sciences Title changed to: Proc. Indian Acad. Sci. Eng. Sci.

Proc. Indian Natl. Sci. Acad. Part A (vol.36, no.1 Jan. 1970—)
Coden: PIPSBD ISSN 0370-0046
Proceedings of the Indian National Science Academy, Part A Formerly: Proc. Natl. Inst. Sci. India A
Bahadur Shah Zafar Marg, New Delhi 110 002, India

Proc. Inst. Electr. Eng. (GB) (1968—)
Coden: PIEEAH
Proceedings of the Institution of Electrical Engineers Merged with other journals and now published as IEE Proc. Parts A to I

Proc. Inst. Mech. Eng. (GB) (1968—)
Coden: PIMLAA ISSN 0020-3483
Proceedings of the Institution of Mechanical Engineers Journal split into two parts: Proc. Inst. Mech. Eng. Part A (GB) and Proc. Inst. Mech. Eng. Part B (GB)

Proc. Inst. Mech. Eng. Part A (GB) (vol.197 Jan. 1983—)
Coden: PPENET ISSN 0263-7138
Proceedings of the Institution of Mechanical Engineers, Part A (Power and Process Engineering) Mechanical Engineering Publications Ltd., P.O.Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England. Supersedes in part: Proc. Inst. Mech. Eng. (GB)

Proc. Inst. Mech. Eng. Part B (GB) (vol.197 Feb. 1983—)
Coden: MEMAEM ISSN 0263-7146
Proceedings of the Institution of Mechanical Engineers, Part B (Management and Engineering Manufacture) Mechanical Engineering Publications Ltd., P.O.Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England. Supersedes in part: Proc. Inst. Mech. Eng. (GB)

Proc. Inst. Mech. Eng. Part C (GB) (vol.197 March 1983—)
Coden: MESCEO ISSN 0263-7154
Proceedings of the Institution of Mechanical Engineers, Part C (Mechanical Engineering Science) Formerly: J. Mech. Eng. Sci. (GB)
Mechanical Engineering Publications Ltd., P.O.Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England

Proc. Inst. Mech. Eng. Part D (GB) (vol.198, no.3 1984—)
Coden: PIMDEO ISSN 0265-1904
Proceedings of the Institution of Mechanical Engineers, Part D (Transport Engineering) Mechanical Engineering Publications Ltd., P.O.Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BN, England. Supersedes in part: Proc. Inst. Mech. Eng. Part D (GB)

Proc. Inst. Radio & Electron. Eng. Aust. (Australia) (1968—)
Coden: PRAUA6
Proceedings of the Institution of Radio and Electronics Engineers, Australia Title changed to: Monitor (Australia)

Proc. Inst. Railw. Signal Eng. (GB) (1968—)
Coden: PRWEAY ISSN 0073-9839
Proceedings of the Institution of Railway Signal Engineers Room 534, British Transport Commission, 222 Marylebone Road, London, NW1, England

Proc. Iowa Acad. Sci. (USA) (vol.78, no.1-2 Oct. 1971—)
Coden: PIAIA9 ISSN 0085-2236
Proceedings of the Iowa Academy of Science University of Northern Iowa, Cedar Falls, IA 50613, USA

Proc. IREE Aust. (Australia) (vol.40, no.3 June 1979—)
Coden: PRAUA6
Proceedings of the IREE Australia Formerly: Proc. Inst. Radio & Electron. Eng. Aust. (Australia). Merged with Trans. Inst. Eng. Aust. Electr. Eng. (Australia) to form J. Electr. & Electron. Eng. Aust. (Australia)

Proc. Jpn. Acad. (Japan) (1968—)
Coden: PJACAW
Proceedings of the Japan Academy Journal split into two series: Proc. Jpn. Acad. Ser. A and B (Japan)

Proc. Jpn. Acad. Ser. A (Japan) (vol.53, no.1 April 1977—)
Coden: PJAADT ISSN 0386-2194
Proceedings of the Japan Academy. Series A, Mathematical Sciences Ueno Park, Tokyo 110, Japan. Supersedes in part: Proc. Jpn. Acad. (Japan)

Proc. Jpn. Acad. Ser. B (Japan) (vol.53, no.1 10 April 1977—)
Coden: PJABDW ISSN 0386-2208
Proceedings of the Japan Academy. Series B, Physical and Biological Sciences Ueno Park, Tokyo 110, Japan. Supersedes in part: Proc. Jpn. Acad. (Japan)

Proc. K. Ned. Akad. Wet. Ser. B (Netherlands) (vol.86, no.4 19 Dec. 1983—)
Coden: PKNCD5 ISSN 0023-3366
Proceedings of the Koninklijke Nederlandse Akademie van Wetenschappen, Series B (Palaeontology, Geology, Physics, Chemistry, Anthropology) Formerly: Proc. K. Ned. Akad. Wet. Ser. B (Netherlands)
North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Proc. K. Ned. Akad. Wet. Ser. B (Netherlands) (1968—)
Coden: KNWBAA ISSN 0023-3366
Proceedings, Koninklijke Nederlandse Akademie van Wetenschappen. Series B (Physical Sciences) Title changed to: Proc. K. Ned. Akad. Wet. Ser. B (Netherlands)

Proc. Leeds Philos. & Lit. Soc. (GB) (1968—)
Coden: PIOAAL ISSN 0369-9986
Proceedings of the Leeds Philosophical and Literary Society The University, Leeds, England

Proc. Natl. Acad. Sci. India Sect. A (1968—)
Coden: PAIAA3 ISSN 0369-8203
Proceedings of the National Academy of Sciences of India. Section A (Physical Sciences) 5 Lajpatrai Road, Allahabad-2, India

Proc. Natl. Acad. Sci. USA (1968—)
Coden: PNASA6 ISSN 0027-8424
Proceedings of the National Academy of Sciences of the United States of America 2101 Constitution Avenue, Washington, DC 20418, USA

Proc. Natl. Inst. Sci. India A (1968—)
Coden: PIIAAP
Proceedings of the National Institute of Sciences of India Part A (Physical Sciences) Title changed to: Proc. Indian Natl. Sci. Acad. Part A

Proc. Pak. Acad. Sci. (Pakistan) (vol.19, no.1 1982—)
Coden: PKSPAW ISSN 0377-2969
Proceedings of the Pakistan Academy of Sciences Constitution Avenue, Islamabad, Pakistan

Proc. R. Inst. GB (vol.42, no.197, pt.4 1969—)
Coden: PIGBAI ISSN 0035-8959
Proceedings of the Royal Institution of Great Britain 21 Albemarle Street, London W1, England

Proc. R. Ir. Acad. Sect. A (Ireland) (1968—)
Coden: PRIAAK ISSN 0035-8975
Proceedings of the Royal Irish Academy, Section A (Mathematical, Astronomical and Physical Science) 19 Dawson Street, Dublin 2, Ireland

Proc. R. Soc. Edinburgh Sect. A (GB) (vol.71, pt.1 1972—)
Coden: PREAAY ISSN 0308-2105
Proceedings of the Royal Society of Edinburgh, Section A (Mathematical and Physical Sciences) Title changed to: Proc. R. Soc. Edinburgh Sect. A (GB)

Proc. R. Soc. Edinburgh Sect. A (GB) (vol.95, pt.3-4 1983—)
Coden: PEAMDU ISSN 0308-2105
Proceedings of the Royal Society of Edinburgh, Section A (Mathematics) Formerly: Proc. R. Soc. Edinburgh Sect. A (GB)
22 George Street, Edinburgh EH2 2PQ, Scotland

Proc. R. Soc. London Ser. A (GB) (1968—)
Coden: PRLAAZ ISSN 0080-4630
Proceedings of the Royal Society of London. Series A (Mathematical and Physical Sciences) 6 Carlton House Terrace, London SW1Y 5AG, England

Proc. R. Soc. Victoria (Australia) (1968—)
Coden: PRSVAV ISSN 0035-9211
Proceedings of the Royal Society of Victoria Royal Society's Hall, 9 Victoria Street, Melbourne, 3000 Victoria, Australia

Proc. Radio Club Am. (USA) (vol.45, no.1 March 1971—)
Coden: PRCAAO ISSN 0033-779X
Proceedings of the Radio Club of America Radio Club of America Inc., Fred Shunaman, 933 East Seventh Street, Plainfield, NJ 07062, USA

Proc. Res. Inst. Atmos. Nagoya Univ. (Japan) (vol.18 Jan. 1971—)
Coden: PATUAG ISSN 0077-264X
Proceedings of the Research Institute of Atmospherics, Nagoya University Nagoya University, 13 Honohara, 3 Chrome, Toyokawa 442, Japan

†**Proc. S.I.D. (USA)** (vol.17, no.1 1976—)
Coden: SIDPAA ISSN 0734-1768
Proceedings of the S.I.D Formerly: Proc. Soc. Inf. Disp. (USA)
Society for Information Display, 654 North Sepulveda Boulevard, Los Angeles, CA90049, USA

Proc. Soc. Inf. Disp. (USA) (vol.11, no.1 1970—)
Coden: SIDPAA
Proceedings of the Society for Information Display Title changed to: Proc. S.I.D. (USA)

Proc. Soc. Photo-Opt. Instrum. Eng. (USA) (vol.190 1979—)
Coden: SPIECJ
Proceedings of the Society of Photo-Optical Instrumentation Engineers Title changed to: Proc. SPIE Int. Soc. Opt. Eng. (USA)

Proc. Soc. Relay Eng. (GB) (1968—)
Coden: PSREBH
Proceedings of Society of Relay Engineers Title changed to: Relay Eng. (GB)

Proc. SPIE Int. Soc. Opt. Eng. (USA) (vol.266 1981—)
Coden: PSISDG ISSN 0277-786X
Proceedings of the SPIE - The International Society for Optical Engineering Formerly: Proc. Soc. Photo-Opt. Instrum. Eng. (USA)
P.O.Box 10, Bellingham, WA 98227, USA

Proc. Univ. Newcastle-upon-Tyne Philos. Soc. (GB) (1968—)
Coden: PUNSAI ISSN 0078-0251
Proceedings of the University of Newcastle-upon-Tyne Philosophical Society Newcastle-upon-Tyne, England

Proc. Vib. Probl. (Poland) (1968—)
Coden: PVBPAO
Proceedings of Vibration Problems Title changed to: J. Tech. Phys. (Poland)

†**Process Autom. (Germany)** (no.1 1979—)
Coden: PPAUDT ISSN 0172-2611
Process Automation R. Oldenbourg Verlag GmbH, Rosenheimer Strasse 145, D-8000 Munchen 80, Germany

Process Eng. (Australia) (vol.11, no.1 Jan. 1983—)
Coden: PSENDF ISSN 0159-3935
Process Engineering IPC Business Press (Australia) Pty. Ltd., 3-13 Queen Street, Chippendale, NSW 2008, Australia

Process Eng. (GB) (Aug. 1972—)
Coden: PSEGAP ISSN 0370-1859
Process Engineering Morgan Grampian Process Press Ltd., 30 Calderwood Street, London SE18 6QH, England. Incorporates Chem. & Process Eng. (GB) and Process Eng. Plant & Control (GB)

Process Eng. (Germany) (no.1-2 Jan.-Feb. 1979—)
Coden: PROEDV
Process Engineering Formerly: AMR (Germany) Title changed to: PEM Masch. + Anlagenbau (Germany)

Process Eng. Plant & Control (GB) (Nov. 1969—)
Coden: PEPCB5
Process Engineering, Plant and Control Incorporated with Process Eng. (GB)

Prod. & Inventory Manage. (USA) (vol.22, no.3 1981—)
Coden: PIMGAT ISSN 0032-9843
Production and Inventory Management American Production and Inventory Control Society Inc., 2600 Virginia Avenue, Washington, DC 20037, USA

Prod. Eng. (USA) (vol.24, no.1 Jan. 1977—)
Coden: PENGD9 ISSN 0146-1737
Production Engineering Formerly: Automation (USA)
Penton/IPC Inc., Penton Plaza, 1111 Chester Avenue, Cleveland, OH 44144, USA

Prod. J. (GB) (no.110 Sept. 1984—)
Production Journal Newspaper Society, Whitefriars House, Carmelite Street, London EC4Y 0BL, England

† indicates a journal abstracted completely

Prog. Aerosp. Sci. (GB) (vol.16, no.1 March 1975—)
Coden: PAESD6 ISSN 0376-0421
Progress in Aerospace Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Biophys. & Mol. Biol. (GB) (vol.29, no.1 1975—)
Coden: PBIMAC ISSN 0079-6107
Progress in Biophysics & Molecular Biology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Cryst. Growth & Charact. (GB) (vol.1, no.1 1977—)
Coden: PCGCDG ISSN 0146-3535
Progress in Crystal Growth and Characterization Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†Prog. Mater. Sci. (GB) (vol.21, no.1 1975—)
Coden: PRMSAQ ISSN 0079-6425
Progress in Materials Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Nucl. Energy (GB) (vol.8, no.1 1981—)
Coden: PNENDE ISSN 0149-1970
Progress in Nuclear Energy Formerly: Prog. Nucl. Energy New Ser. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Nucl. Energy New Ser. (GB) (vol.1 1976—)
Coden: PNENDE ISSN 0079-6530
Progress in Nuclear Energy, New Series Title changed to: Prog. Nucl. Energy (GB)

†Prog. Nucl. Magn. Resonance Spectrosc. (GB) (vol.10, pt.1 1975—)
Coden: PNMRAT ISSN 0079-6565
Progress in Nuclear Magnetic Resonance Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Oceanogr. (GB) (vol.7, no.1 1976—)
Coden: POCNA8 ISSN 0079-6611
Progress in Oceanography Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†Prog. Part. & Nucl. Phys. (GB) (vol.1 1978—)
Coden: PPNPDB ISSN 0146-6410
Progress in Particle and Nuclear Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Polym. Sci. (GB) (vol.5, no.1 1977—)
Coden: PRPSB8 ISSN 0079-6700
Progress in Polymer Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†Prog. Quantum Electron. (GB) (vol.4, pt.1 April 1975—)
Coden: PQUEAH ISSN 0079-6727
Progress in Quantum Electronics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Solid State Chem. (GB) (vol.10, pt.1 1975—)
Coden: PSSTAW ISSN 0079-6786
Progress in Solid State Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Surf. Sci. (GB) (vol.2, pt.1 1972—)
Coden: PSSFBP ISSN 0079-6816
Progress in Surface Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†Prog. Theor. Phys. (Japan) (1968—)
Coden: PTPKAV ISSN 0033-068X
Progress of Theoretical Physics Research Institute for Fundamental Physics and the Physical Society of Japan. Publication office: Yukawa Hall, Kyoto University, 606 Kyoto, Japan

†Prog. Theor. Phys. Suppl. (Japan) (1968—)
Coden: PTPSAL ISSN 0375-9687
Supplement of the Progress of Theoretical Physics Research Institute for Fundamental Physics and the Physical Society of Japan. Publication Office: Yukawa Hall, Kyoto University, 606 Kyoto, Japan

Program (GB) (vol.3, no.1 April 1969—)
Coden: PRGMBD ISSN 0033-0337
Program Formerly: Program News Comput. Br. Libr. (GB)
Aslib, Information House, 26-27 Boswell Street, London WC1N 3JZ, England

Program News Comput. Br. Libr. (GB) (1968—)
Coden: PNCBAX
Program News of Computers in British Libraries Title changed to: Program (GB)

†Program. & Comput. Software (USA) (vol.1, no.4 July-Aug. 1975—)
Coden: PCSODA ISSN 0361-7688
Programming and Computer Software [Translation of: *Programmirovanie (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Program. J. (USA) (vol.2, no.4 1984—)
ISSN 0747-5861
Programmer's Journal Avant-Garde Publishing Corp., 1907 Garden Avenue, Eugene, OR 97403, USA

Program. Learn. & Educ. Technol. (GB) (vol.5, no.2 April 1968—)
Coden: PLETAF ISSN 0033-0396
Programmed Learning and Educational Technology Kogan Page Ltd., 120 Pentonville Road, London N1 9JN, England

Programmirovanie (USSR) (no.2 March-April 1975—)
Coden: PROGD3 ISSN 0132-3474
Programmirovanie Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Program. & Comput. Software (USA)*]

Prom. Energ. (USSR) (no.11 1968—)
Coden: PREGAI ISSN 0033-1155
Promyshlennaya Energetika Editorial address: 103012 Moskva, B. Cherkasskii per. 2/10, USSR

Prometheus (Australia) (vol.2, no.1 June 1984—)
Coden: PROMEM ISSN 0810-9028
Prometheus Information Research Unit, Department of Economics, University of Queensland, St. Lucia, Qld. 4067, Australia

Prosthet. & Orthotics Int. (Denmark) (vol.3, no.1 April 1979—)
Coden: POIND7 ISSN 0309-3646
Prosthetics and Orthotics International International Society for Prosthetics and Orthotics (ISPO), P.O. Box 42, DK-2900 Hellerup, Denmark

Przegl. Elektron. (Poland) (1968—)
Coden: PRELAX
Przeglad Elektroniki Title changed to: Elektronika (Poland)

Przegl. Elektrotech. (Poland) (1968—)
Coden: PZELAL ISSN 0033-2097
Przeglad Elektrotechniczny Czackiego 3/5, 00-043, Warszawa, Poland

Przegl. Telekomun. (Poland) (1968—)
Coden: PZTKAP ISSN 0033-2399
Przeglad Telekomunikacyjny Editorial address: Ul. Barbary 2, pokoj 606, 00 686 Warszawa, Poland

PT/Elektrotech. Elektron. (Netherlands) (vol.37, no.1 Jan. 1982—)
Coden: PEELDD ISSN 0032-4086
PT/Elektrotechniek Elektronica Formerly: Polytech. Tijdschr. Elektrotech. Elektron. (Netherlands)
Stam Tijdschriften BV, Treubstraat 35, Postbus 235, 2280 AE Rijswijk, Netherlands

PT/Procestech. (Netherlands) (vol.37, no.1 Jan. 1982—)
Coden: PTPTBP
PT/Procestechniek Formerly: Polytech. Tijdschr. Procestech. (Netherlands)
Stam Tijdschriften BV, Treubstraat 35, Postbus 235, 2280 AE Rijswijk, Netherlands

PT/Werktuigbouw (Netherlands) (vol.37, no.1 Jan. 1982—)
Coden: PTWTAP
PT/Werktuigbouw Formerly: Polytech. Tijdschr. Werktuigbouw (Netherlands)
Stam Tijdschriften BV, Treubstraat 35, Postbus 235, 2280 AE Rijswijk, Netherlands

PTT-Bedr. (Netherlands) (1968—)
Coden: PTBDA8 ISSN 0030-8366
PTT-Bedrijf Direction Centrale des PTT, 12 Kortenaerkade, Den Haag, Netherlands

†Publ. Astron. Soc. Jpn. (Japan) (1968—)
Coden: PASJAC ISSN 0004-6264
Publications of the Astronomical Society of Japan Tokyo Astronomical Observatory, Mitaka, Tokyo, Japan

†Publ. Astron. Soc. Pac. (USA) (1968—)
Coden: PASPAU ISSN 0004-6280
Publications of the Astronomical Society of the Pacific Astronomical Society of the Pacific, 1290 24th Avenue, San Francisco, CA 94122, USA

Publ. Dom. Astrophys. Obs. (Canada) (1968—)
Coden: PDAOAQ ISSN 0078-6950
Publications of the Dominion Astrophysical Observatory, Victoria, British Columbia Dominion Astrophysical Observatory, Victoria, B.C, Canada

Publ. Earth Phys. Branch Dep. Energy Mines & Resour. (Canada) (vol.40, no.1 1970—)
Coden: PEPBB2 ISSN 0373-4838
Publications of the Earth Physics Branch Department of Energy, Mines and Resources 1 Observatory Crescent, Ottawa K1A 0Y3, Canada

Publ. Elektroteh. Fak. Ser. Elektroenerg. (Yugoslavia) (no.82-87 1981—)
Coden: PEFEDV ISSN 0351-4749
Publikacije Elektrotehnickog Fakulteta Serija: Elektroenergetika Elektrotehniki Fakultet, 11001 Beograd, Postanski Fah 816, Yugoslavia

Publ. Elektroteh. Fak. Ser. Elektron. Telekomun. Autom. (Yugoslavia) (no.114-117 1977—)
Coden: PEFADJ
Publikacije Elektrotehnickog Fakulteta Serija : Elektronika, Telekomunikacije, Automatika Odsek za Elektroniku, Elektrotehnicki Fakultet, 11001 Beograd, Postanski fah 816, Yugoslavia

Publ. Elektroteh. Fak. Ser. Mat. & Fiz. (Yugoslavia) (no.412-460 1973—)
Coden: PEUBAQ ISSN 0522-8441
Publikacije Elektrotehnickog Fakulteta. Serija Matematika i Fizika Katedra Matematike, Elektrotehnicki Fakultet, 11001 Beograd, Postanski Fah 816, Yugoslavia

Publ. Inst. R. Meteorol. Belg. Ser. A (Belgium) (1968—)
Coden: PMBAAI ISSN 0020-255X
Publications, Institut Royal Meteorologique de Belgique. Serie A, format in 4 3 Avenue Circulaire, Uccle-Bruxelles 1180, Belgium

†Publ. Inst. R. Meteorol. Belg. Ser. B (Belgium) (1968—)
Coden: PMBBAL ISSN 0770-4615
Publications, Institut Royal Meteorologique de Belgique, Serie B, format in 8 3 Avenue Circulaire, Uccle-Bruxelles 1180, Belgium

Publ. R. Obs. Edinburgh (GB) (vol.9, no.4 1976—)
Coden: PRYOA6 ISSN 0305-2001
Publications of the Royal Observatory Edinburgh Edinburgh EH9 3HJ, Scotland

Public Adm. (GB) (vol.62, no.1 Spring 1984—)
Coden: PUADDD ISSN 0033-3298
Public Administration Royal Institute of Public Administration, 3 Birdcage Walk, London SW1H 9JJ, England

Public Adm. Q. (USA) (vol.7, no.1 Spring 1983—)
Coden: PAQUE5 ISSN 0734-9149
Public Administration Quarterly Southern Public Administration Education Foundation Inc., P.O.Box 632, Randallstown, MD 21133, USA

Public Financ. & Accountancy (GB) (vol.10, no.6 July 1983—)
Coden: PFACD7 ISSN 0305-9014
Public Finance and Accountancy Chartered Institute of Public Finance and Accountancy, 1 Buckingham Place, London SW1E 6HS, England

Public Light. (GB) (vol.36, no.154 Sept. 1971—)
Coden: PULIAC ISSN 0033-3603
Public Lighting Title changed to: IPLE Light. J. (GB)

Public Util. Fortn. (USA) (vol.113, no.1 5 Jan. 1984—)
Coden: PUFNAV ISSN 0033-3808
Public Utilities Fortnightly Public Utilities Reports Inc., Suite 2100, Rosslyn Center Building, 1700 North Moore Street, Arlington, VA 22209, USA

Pulp & Pap. Can. (Canada) (vol.78, no.6 June 1977—)
Coden: PPCADD ISSN 0316-4004
Pulp & Paper Canada National Business Publications Ltd., 310 Victoria Avenue, Westmount, PQ. H3Z 2M9, Canada

Purch. & Supply Manage. (GB) (June 1983—)
Coden: PSMAEH ISSN 0265-2072
Purchasing and Supply Management Institute of Purchasing and Supply, IPS House, High Street, Ascot, Berks, England

Purchasing (USA) (vol.97, no.1 5 July 1984—)
Coden: PURCAO ISSN 0033-4480
Purchasing Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Pure & Appl. Geophys. (Switzerland) (vol.93, no.1 1972—)
Coden: PAGYAV ISSN 0033-4553
Pure and Applied Geophysics Title changed to: Pure & Appl. Geophys. (USA)

† indicates a journal abstracted completely

Pure & Appl. Geophys. (USA) (vol.121, no.1 1983—)
Coden: PAGYAV ISSN 0033-4553
Pure and Applied Geophysics Formerly: Pure & Appl. Geophys. (Switzerland)
Birkhauser Boston Inc., 380 Green Street, Cambridge, MA 02139, USA

Q. Appl. Math. (USA) (1968—)
Coden: QAMAAY ISSN 0033-569X
Quarterly of Applied Mathematics American Mathematical Society, P.O. Box 1571, Providence, RI 02901, USA

Q. Bull. Int. Assoc. Agric. Libr. & Doc. (Netherlands) (vol.17, no.2 1972—)
Coden: QBALAE ISSN 0020-5966
Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists Editorial address: "de Hulle", Hullerpad 14, Lunteren, Netherlands

Q. Colorado Sch. Mines (USA) (vol.64, no.2 April 1968—)
Coden: QCSMAC ISSN 0010-1753
Quarterly of the Colorado School of Mines Golden, CO 80401, USA

Q. J. Combust. Inst.
See: Combust. & Flame (USA)

Q. J. Mech. & Appl. Math. (GB) (vol.24, pt.1 Feb. 1971—)
Coden: QJMMAV ISSN 0033-5614
Quarterly Journal of Mechanics and Applied Mathematics Oxford University Press, Ely House, London, W1, England

Q. J. R. Astron. Soc. (GB) (1968—)
Coden: QJRAAK ISSN 0035-8738
Quarterly Journal of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Q. J. R. Meteorol. Soc. (GB) (1968—)
Coden: QJRMAM ISSN 0035-9009
Quarterly Journal of the Royal Meteorological Society Cromwell House, High Street, Bracknell, Berks, England

Q. J. Seismol. (Japan) (vol.45, no.1-2 Dec. 1980—)
Coden: QJSMAR
Quarterly Journal of Seismology Japan Meteorological Agency, Otemachi, Chiyoda-ku, Tokyo, Japan

Q. Rep. Railw. Tech. Res. Inst. (Japan) (vol.9, no.4 Dec. 1968—)
Coden: QRTIA8 ISSN 0033-9008
Quarterly Report of the Railway Technical Research Institute Railway Technical Institute, JNR, Kunitachi, P.O. Box 9, Tokyo, Japan

Quaest. Inf. (S. Africa) (vol.1, no.1 June 1979—)
Coden: QUIFD2 ISSN 0254-2757
Quaestiones Informaticae Systems Publishers (Pty) Ltd., Box 31720, Braamfontein, Transvaal, South Africa

Qual. & Zuverlassigkeit (Germany) (vol.16, no.8 Aug. 1971—)
Coden: QLZVAZ ISSN 0720-1214
Qualitat und Zuverlassigkeit Carl Hanser Verlag, D-8000 Munchen 80, Kolbergerstrasse 22, Germany

Qual. Assur. (GB) (vol.1, no.1 March 1975—)
Coden: QUASDZ ISSN 0306-2856
Quality Assurance Formerly: Qual. Eng. (GB)
Institute of Quality Assurance, 54 Princes Gate, Exhibition Road, London, SW7 2PG, England

Qual. Eng. (GB) (vol.36, no.7 July 1972—)
Coden: QLEGAL
Quality Engineer Title changed to: Qual. Assur. (GB)

Qual. Prog. (USA) (vol.1, no.5 May 1968—)
Coden: QUPRB3 ISSN 0033-524X
Quality Progress American Society for Quality Control, 161 West Wisconsin Avenue, Milwaukee, WI 53203, USA

Qual. Today (GB) (Feb. 1983—)
Coden: QUTODG ISSN 0264-2344
Quality Today Formerly: Meas. & Insp. Technol. (GB)
Business Press International Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Qualite Rev. Prat. Controle Ind. (France) (vol.14, no.67 June 1974—)
Coden: RCOIAP ISSN 0033-5142
Qualite Revue Pratique de Controle Industriel Editions Ampere, 46 Rue Ampere, 75017 Paris, France

Quaternary Res. (USA) (vol.1, no.4 Dec. 1971—)
Coden: QRESAV ISSN 0033-5894
Quaternary Research Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Quaternary Sci. Rev. (GB) (vol.2, no.1 1983—)
Coden: QSREDU ISSN 0277-3791
Quaternary Science Reviews Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

R & D Manage. (GB) (vol.2, no.3 June 1972—)
Coden: RDMAAW ISSN 0033-6807
R & D Management Basil Blackwell Publications, 108 Cowley Road, Oxford, OX4 1JF, England

R. Astron. Soc. Can. J.
See: J. R. Astron. Soc. Can. (Canada)

R. Astron. Soc. Mon. Not.
See: Mon. Not. R. Astron. Soc. (GB)

R. Astron. Soc. Q. J.
See: Q. J. R. Astron. Soc. (GB)

R. Electr. & Mech. Eng. J.
See: J. R. Electr. & Mech. Eng. (GB)

R. Greenwich Obs. Bull. (GB) (no.182 1976—)
Coden: BROYA2 ISSN 0308-5074
Royal Greenwich Observatory Bulletins Formerly: R. Obs. Bull. (GB)
Herstmonceux Castle, Hailsham, East Sussex BN27 1RP, England

R. Inst. GB Proc.
See: Proc. R. Inst. GB

R. Ir. Acad. Proc. Sect. A
See: Proc. R. Ir. Acad. Sect. A (Ireland)

R. Meteorol. Soc. Q. J.
See: Q. J. R. Meteorol. Soc. (GB)

R. Obs. Ann. (GB) (no.13 1980—)
Coden: ANRODJ ISSN 0080-4371
Royal Observatory Annals Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex BN27 1RP, England

R. Obs. Bull. (GB) (no.159 1970—)
Coden: ROBSA6
Royal Observatory Bulletin Title changed to: R. Greenwich Obs. Bull. (GB)

R. Obs. Edinburgh Publ.
See: Publ. R. Obs. Edinburgh (GB)

R. Signals Inst. J.
See: J. R. Signals Inst. (GB)

R. Soc. Can. Trans.
See: Trans. R. Soc. Can. (Canada)

R. Soc. Edinburgh Commun.
See: Commun. R. Soc. Edinburgh (GB)

R. Soc. Edinburgh Proc. Sect. A
See: Proc. R. Soc. Edinburgh Sect. A (GB)

R. Soc. London Philos. Trans. A
See: Philos. Trans. R. Soc. London A (GB)

R. Soc. London Proc. Ser. A
See: Proc. R. Soc. London Ser. A (GB)

R. Soc. New South Wales J. & Proc.
See: J. & Proc. R. Soc. New South Wales (Australia)

R. Soc. Victoria Proc.
See: Proc. R. Soc. Victoria (Australia)

R. Telev. Soc. J. (GB) (1968—)
Coden: RTSJAV
Royal Television Society Journal Title changed to: Television (J. R. Telev. Soc.) (GB)

R.F. Des. (USA) (vol.4, no.5 Sept.-Oct. 1981—)
Coden: RFDEDG ISSN 0163-321X
R.F. Design Cardiff Publishing Co., 3900 S. Wadsworth Boulevard, Denver, CO 80235, USA

Radiat. & Environ. Biophys. (Germany) (vol.11, no.1 1974—)
Coden: REBPAT ISSN 0301-634X
Radiation and Environmental Biophysics Formerly: Biophysik (Germany)
Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

†**Radiat. Eff. (GB)** (vol.1, no.2 April 1969—)
Coden: RAEFBL ISSN 0033-7579
Radiation Effects Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Radiat. Eff. Lett. (GB) (vol.43, no.1 1979—)
Coden: RAEFBL ISSN 0142-2448
Radiation Effects Letters Title changed to: Radiat. Eff. Lett. Sect. (GB)

†**Radiat. Eff. Lett. Sect. (GB)** (vol.78, no.1-2 1983—)
Coden: RELRDK ISSN 0142-2448
Radiation Effects Letters Section Formerly: Radiat. Eff. Lett. (GB)
Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Radiat. Phys. & Chem. (GB) (vol.9, no.1-3 1977—)
Coden: RPCHDM ISSN 0146-5724
Radiation Physics and Chemistry Formerly: Int. J. Radiat. Phys. & Chem. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Radiat. Prot. (Korea) (vol.4, no.1 July 1979—)
Radiation Protection Korean Association for Radiation Protection, Seoul, Korea

Radiat. Prot. Dosim. (GB) (vol.1, no.1 1981—)
Coden: RPDODE ISSN 0144-8420
Radiation Protection Dosimetry Nuclear Technology Publishing, P.O.Box 7, Ashford, Kent, England

Radiat. Res. (USA) (1968—)
Coden: RAREAE ISSN 0033-7587
Radiation Research Radiation Research Society, Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

†**Radio & Electron. Eng. (GB)** (1968—)
Coden: RDEEA4 ISSN 0033-7722
Radio and Electronic Engineer Institution of Electronic and Radio Engineers, 99 Gower Street, London WC1E 6AZ, England

Radio & Electron. World (GB) (vol.1, no.1 Oct. 1981—)
Coden: RELWDZ ISSN 0262-2572
Radio & Electronics World Broadcasting Ltd., 117a High Street, Brentwood, Essex, England

Radio & Telev. (Czechoslovakia) (vol.34, no.2 1984—)
Radio and Television Formerly: Radio Telev. Int. Rev. (Czechoslovakia)
Administrative Council of the International Radio and Television Organization (OIRT), Skokanska 1, Prague 6, Czechoslovakia

Radio Club Am. Proc.
See: Proc. Radio Club Am. (USA)

Radio Commun. (GB) (vol.47, no.9 Sept. 1971—)
Coden: RADCB7 ISSN 0033-7803
Radio Communication Radio Society of Great Britain, 35 Doughty Street, London, WC1N 2AE, England

Radio Corp. Am. Broadcast News
See: RCA Broadcast News (USA)

Radio Corp. Am. Rev.
See: RCA Rev. (USA)

Radio Corp. Am. Tech. Not.
See: RCA Tech. Not. (USA)

Radio Elektron. (Netherlands) (vol.28, no.1 16 Jan. 1980—)
Coden: RADEDF
Radio Elektronica Title changed to: Elektronica (Netherlands)

Radio Elektron. Schau (Austria) (vol.21, no.1 1971—)
Coden: RELSAK
Radio Elektronik Schau Formerly: Radio Schau (Austria) Title changed to: Elektronikschau (Austria)

†**Radio Eng. & Electron. Phys. (USA)** (1968—)
Coden: RENPAL ISSN 0033-7889
Radio Engineering and Electronic Physics [Translation of: *Radiotekh. & Elektron. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA

Radio Fernsehen Elektron. (Germany) (no.17 Sept. 1968—)
Coden: RFELB6 ISSN 0033-7900
Radio Fernsehen Elektronik VEB Verlag Technik, Oranienburgerstrasse 13/14, 102 Berlin Postfach 293, Germany

† indicates a journal abstracted completely

Radio Ind. (Italy) (vol.36, no.5 May 1969—)
Coden: RAINBV
Radio Industria Title changed to: Radioind. Elettron. - Telev. (Italy)

Radio Mentor (Germany) (1968—)
Coden: RDMNA3
Radio Mentor Title changed to: Radio Mentor Electron. (Germany)

Radio Mentor Electron. (Germany) (vol.38, no.4 April 1972—)
Coden: RMELBL ISSN 0033-7935
Radio Mentor Electronic Formerly: Radio Mentor (Germany). Now incorporated with Mess. & Pruef. (Germany)

Radio Res. Lab Rev.
See: Rev. Radio Res. Lab. (Japan)

Radio Res. Lab. J.
See: J. Radio Res. Lab. (Japan)

Radio Schau (Austria) (vol.12 1968—)
Coden: RDSCAY
Radio Schau Title changed to: Radio Elektron. Schau (Austria)

†**Radio Sci. (USA)** (1968—)
Coden: RASCAD ISSN 0048-6604
Radio Science American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Radio Telev. (Czechoslovakia) (no.2 1971—)
Coden: RDTLAW
Radio Television Title changed to: Radio Telev. Int. Rev. (Czechoslovakia)

Radio Telev. Int. Rev. (Czechoslovakia) (no.1 1982—)
Coden: RDTLAW ISSN 0033-7676
Radio Television International Review Formerly: Radio Telev. (Czechoslovakia) Title changed to: Radio & Telev. (Czechoslovakia)

Radio-Electron. (USA) (1968—)
Coden: RAECAB ISSN 0033-7862
Radio-Electronics 200 Park Avenue South, New York, NY 10003, USA

Radio-TV-Electron. (Switzerland) (vol.32, no.1 Jan. 1972—)
Coden: RTESBN
Radio-TV-Electronic Title changed to: RTE (Switzerland)

†**Radioact. Waste Manage. & Nucl. Fuel Cycle (Switzerland)** (vol.3, no.1 1982—)
Coden: RWMCD4 ISSN 0142-2405
Radioactive Waste Management and the Nuclear Fuel Cycle Formerly: Radioact. Waste Manage. (Switzerland)
Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

Radioact. Waste Manage. (Switzerland) (vol.1, no.2 Sept. 1980—)
Coden: RWMADW ISSN 0142-2405
Radioactive Waste Management Title changed to: Radioact. Waste Manage. & Nucl. Fuel Cycle (Switzerland)

Radiobiologiya (USSR) (vol.21, no.4 July-Aug. 1981—)
Coden: RADOA8 ISSN 0033-8192
Radiobiologiya Editorial address: 103717 GSP, K-62 Moskva, Podsosenskii Pereulok nom 21, Komn. 30, USSR

Radiochem. & Radioanal. Lett. (Switzerland) (vol.2, no.1 26 Sept. 1969—)
Coden: RRALAZ ISSN 0079-9483
Radiochemical and Radioanalytical Letters Title changed to: J. Radioanal. & Nucl. Chem. Lett. (Switzerland)

†**Radioelectron. & Commun. Syst. (USA)** (vol.21, no.1 1978—)
Coden: RCSYDS ISSN 0735-2727
Radioelectronics and Communication Systems [Translation of: *Izv. VUZ Radioelektron. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Radiographer (Australia) (vol.23, no.3 1982—)
Coden: RDGRAJ
Radiographer Business Manager, The Radiographer, P.O.Box 278, East Melbourne, Vic. 3002, Australia

Radioind. Elettron. - Telev. (Italy) (vol.1, no.1 Jan.-Feb. 1977—)
Coden: RELTDQ ISSN 0391-4291
Radioindustria Elettronica - Televizione Formerly: Radio Ind. (Italy)
Franco Angeli Editore, Viale Monza 106, 20127 Milano, Italy

Radioisotopes (Japan) (vol.28, no.12 Dec. 1979—)
Coden: RAISAB ISSN 0033-8303
Radioisotopes Japan Radioisotope Association, 2-28-45, Honkomagome, Bunkyo-ku, Tokyo 113, Japan

Radiol. Prot. Bull. (GB) (no.5 Oct. 1973—)
Coden: RDPBAG ISSN 0308-4272
Radiological Protection Bulletin National Radiological Protection Board, Harwell, Didcot, Berks, England

Radiology (USA) (vol.134, no.2 Feb. 1980—)
Coden: RADLAX ISSN 0033-8419
Radiology Radiological Society of North America Inc., 20th and Northampton Streets, Easton, PA 18042, USA

†**Radiophys. & Quantum Electron. (USA)** (vol.10, no.1 Jan. 1970—)
Coden: RPQEAC ISSN 0033-8443
Radiophysics and Quantum Electronics [Translation of: *Izv. VUZ Radiofiz. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Radiotechnika (Hungary) (vol.29, no.11 Nov. 1979—)
Coden: RATKA8 ISSN 0033-8478
Radiotechnika Kiadja a Zrinyi Katonai Konyv- es Lapkiado, Budapest VIII, Kerespesi ut 29/b, Hungary

Radiotekh. & Elektron. (USSR) (1968—)
Coden: RAELA4 ISSN 0033-8494
Radiotekhnika i Elektronika Editorial address: 103907 Moskva TSP-3, Pr. Karl Marx 18, USSR [English translation in: *Radio Eng. & Electron. Phys. (USA)*]

Radiotekhnika, Kharkov (USSR) (no.24 1973—)
Coden: RTKHAJ ISSN 0485-8972
Radiotekhnika Izdatel'stvo "Visha Shkola", Kharkov Gosudarstvennom Universitete, 310003 Khar'kov, USSR

†**Radiotekhnika, Moskva (USSR)** (1968—)
Coden: RATEAO ISSN 0033-8486
Radiotekhnika Editorial Address: 103031 Moskva K31, Kuznetskii Most D 20, USSR [English translation in: *Telecommun. & Radio Eng. Part 2 (USA)*]

Rail Int. (Belgium) (vol.1, no.1 Jan. 1970—)
Coden: RAIIAF ISSN 0020-8442
Rail International International Railway Congress Association, Rue de France 85, B-1070 Bruxelles, Belgium

Railw. Age (USA) (vol.176, no.22 24 Nov. 1975—)
Coden: RAAGA3 ISSN 0033-8826
Railway Age Formerly: RSC Railw. Syst. Controls (USA)
Simmons-Boardman Publishing Corp., 508 Birch Street, Bristol, CT 06010, USA

Railw. Eng. (S. Africa) (vol.15, no.3 May-June 1971—)
Coden: RANGAY
Railway Engineering Title changed to: Railw. South. Afr. (S. Africa)

Railw. Gaz. Int. (GB) (vol.126, no.20 Nov. 1970—)
Coden: RWGIAN ISSN 0373-5346
Railway Gazette International Formerly: Int. Railw. Gaz. (GB)
IPC Transport Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Railw. South. Afr. (S. Africa) (March 1977—)
Coden: RSAFDR
Railways Southern Africa Formerly: Railw. Eng. (S. Africa) Title changed to: Railways (S. Africa)

Railw. Tech. Res. Inst. Q. Rep.
See: Q. Rep. Railw. Tech. Res. Inst. (Japan)

Railways (S. Africa) (Dec. 1978—)
Coden: RAILDR ISSN 0254-2218
Railways Formerly: Railw. South. Afr. (S. Africa)
Thomson Publications SA (Pty.) Ltd., P.O. Box 8308, Johannesburg 2000, South Africa

RAIRO Anal. Numer. (France) (vol.11, no.1 1977—)
Coden: RFANDS ISSN 0399-0516
RAIRO Analyse Numerique/Numerical Analysis Centrale des Revues Dunod/Gauthier-Villars, B.P. 119, 93104 Montreuil Cedex, France

RAIRO Autom./Syst. Anal. & Control (France) (vol.11, no.1 1977—)
Coden: RFAADN ISSN 0399-0524
RAIRO Automatique/Systems Analysis and Control Centrale de Revues Dunod/Gauthier-Villars B.P. 119, 93104 Montreuil Cedex, France

RAIRO Inf. Theor./Theor. Comput. Sci. (France) (vol.13, no.1 1979—)
Coden: RSITD7
RAIRO Informatique Theoretique/Theoretical Computer Science Title changed to: RAIRO Inf. Theor./Theor. Inf. (France)

†**RAIRO Inf. Theor./Theor. Inf. (France)** (vol.14, no.4 1980—)
Coden: RSITD7 ISSN 0399-0540
RAIRO Informatique Theorique/Theoretical Informatics Formerly: RAIRO Inf. Theor./Theor. Comput. Sci. (France)
Centrale des Revues Dunod/Gauthier-Villars, B.P. 119, 93104 Montreuil Cedex, France

RAIRO Inf./Comput. Sci. (France) (vol.11, no.1 1977—)
Coden: RSINDN ISSN 0399-0532
RAIRO Informatique/Computer Science Formerly: Rev. Fr. Autom. Inf. Rech. Oper. (France) Title changed to: Tech. & Sci. Inf. (France)

RAIRO Rech. Oper./Oper. Res. (France) (vol.13, no.1 Feb. 1979—)
Coden: RSROD3 ISSN 0399-0559
RAIRO Recherche Operationnelle/Operations Research Centrale des Revues Dunod/Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France

Rand J. Econ. (USA) (vol.15, no.1 Spring 1984—)
Coden: RJECEA ISSN 0741-6261
Rand Journal of Economics Formerly: Bell J. Econ. (USA)
P.O.Box 328, Mount Morris, IL 61054, USA

Range (Netherlands) (no.38 1972—)
Coden: RNVPAM ISSN 0033-9199
Range Philips' Telecommunicatie Industrie BV, Hilversum, Netherlands

RCA Broadcast News (USA) (vol.151 Nov. 1973—)
Coden: RCABB3 ISSN 0096-7785
RCA Broadcast News RCA Communications Systems Division, Princeton, NJ 08540, USA

†**RCA Rev. (USA)** (1968—)
Coden: RCARCI ISSN 0033-6831
RCA Review Radio Corporation of America, RCA Laboratories Division, Princeton, NJ 08540, USA

RCA Tech. Not. (USA) (no.TN-1144 30 March 1976—)
Coden: RCTNAV ISSN 0483-7495
RCA Technical Notes Radio Corporation of America, Princeton, NJ 08540, USA

Real Estate Appraiser & Anal. (USA) (vol.49, no.3 Fall 1983—)
Coden: REAAEH ISSN 0271-258X
Real Estate Appraiser and Analyst Society of Real Estate Appraisers, 645 North Michigan Avenue, Chicago, IL 60611, USA

†**Rec. AT&T Bell Lab. (USA)** (vol.61, no.7 Sept. 1983—)
Coden: RABLER ISSN 0743-0205
Record AT&T Bell Laboratories Formerly: Bell Lab. Rec. (USA)
Bell Telephone Laboratories Inc., 600 Mountain Avenue, Murray Hill, NJ 07974, USA

Rec. Electr. & Commun. Eng. Conversazione Tohoku Univ. (Japan) (vol.39, no.4 Dec. 1970—)
Coden: TDDDAI ISSN 0385-7719
Record of Electrical and Communication Engineering Conversazione Tohoku University Tohoku University, Research Institute of Electrical Communication, Sendai, Japan

Rech. Aerosp. (France) (no.133 Nov.-Dec. 1969—)
Coden: REARAU ISSN 0379-380X
Recherche Aerospatiale Office National d'Etudes et de Recherches Aerospatiales, 29 Avenue de la Division Leclerc, 92320-Chatillon, France

Rechentech. Datenverarb. (Germany) (vol.10, no.1 Jan. 1973—)
Coden: RTDVAQ ISSN 0300-3450
Rechentechnik Datenverarbeitung Verlag die Wirtschaft Berlin, 1055 Berlin, Am Friedrichshain 22, Germany

Recherche (France) (no.25 July-Aug. 1972—)
Coden: RCCHBV ISSN 0029-5671
Recherche Societe d'Editions Scientifiques, 57 rue de Seine, 75006 Paris, France

Recognition Technol. Today (USA) (vol.6, no.5 Feb. 1984—)
Coden: RTTODK
Recognition Technologies Today Recognition Technologies User Association, P.O.Box 2016, Manchester Center, VT 05255, USA

Ref. Libr. (USA) (no.4 Summer 1982—)
Coden: RELBD6 ISSN 0276-3877
Reference Librarian Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

† indicates a journal abstracted completely

Refractories (USA) (1968—)
Coden: REFRAL ISSN 0034-3102
Refractories [Translation of: *Ogneupory (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Refrigeration (Japan) (vol.54, no.625 Nov. 1979—)
Coden: RITOA8 ISSN 0034-3714
Refrigeration Japanese Association of Refrigeration, 8 San'ei-cho, Shinjuku-ku, Tokyo 160, Japan

Regelungstech. & Prozess-Datenverarb. (Germany) (vol.19, no.9 Sept. 1971—)
Coden: RPZDAK
Regelungstechnik und Prozess-Datenverarbeitung Title changed to: Regelungstechnik (Germany)

Regelungstech. Prax. & Prozess-Rechentech. (Germany) (vol.13, no.5 Oct. 1971—)
Coden: RPPRBD
Regelungstechnische Praxis und Prozess-Rechentechnik Title changed to: Regelungstech. Prax. (Germany)

Regelungstech. Prax. (Germany) (1968—)
Coden: RGPXAZ ISSN 0340-4730
Regelungstechnische Praxis Formerly: Regelungstech. Prax. & Prozess-Rechentech. (Germany)
R. Oldenbourg, Rosenheimer Strasse 145, 8 Munchen 80, Germany

Regelungstechnik (Germany) (1968—)
Coden: RLSTA5 ISSN 0340-434X
Regelungstechnik Formerly: Regelungstech. & Prozess-Datenverarb. (Germany)
R. Oldenbourg, Rosenheimer Strasse 145, 8 Munchen 80, Germany

Regul. & Mando Autom. (Spain) (vol.15, no.108 May 1981—)
Coden: RMAUDU ISSN 0040-1722
Regulacion y Mando Automatico Formerly: Tec. Regul. & Mando Autom. (Spain)
Compania Espanola de Editoriales Tecnologias Internacionales S.A. (CETISA), Concepcion Arenal 5 y 7, E-Barcelona (27), Spain

Reito
See: Refrigeration (Japan)

Relay Eng. (GB) (vol.9, no.1 Jan. 1971—)
Coden: RLEGAW
Relay Engineer Formerly: Proc. Soc. Relay Eng. (GB) Title changed to: Cable Telev. Eng. (GB)

Reliab. Eng. (GB) (vol.2, no.1 Jan.-March 1981—)
Coden: RLENDM ISSN 0143-8174
Reliability Engineering Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Remote Sensing Environ. (USA) (vol.1, no.1 March 1968—)
Coden: RSEEA7 ISSN 0034-4257
Remote Sensing of Environment American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Remote Sensing Rev. (GB) (vol.1, no.1 1983—)
Coden: RSRVEP ISSN 0275-7257
Remote Sensing Reviews Harwood Academic Publishers, c/o STBS Ltd., 42 William IV Street, London WC2N 4DE, England

Rend. Ist. Lomb. A (Italy) (1968—)
Coden: RLMAAK ISSN 0021-2504
Istituto Lombardo. Rendiconti A. Scienze Accademia di Scienze e Lettere, Palozzo Brera, Via Brera 28, Milano, Italy

Rep. Fac. Eng. Nagasaki Univ. (Japan) (vol.14, no.22 Jan. 1984—)
Coden: NDKHD2
Reports of the Faculty of Engineering, Nagasaki University 1-14 Bunkyo-machi, Nagasaki-shi 852, Japan

Rep. Fac. Eng. Shizuoka Univ. (Japan) (1968—)
Coden: SDKKAT ISSN 0583-0915
Reports of the Faculty of Engineering, Shizuoka University Hamamatsu, Japan

Rep. Fac. Eng. Yamanashi Univ. (Japan) (no.34 1983—)
Coden: YDKHAI ISSN 0513-1871
Reports of the Faculty of Engineering, Yamanashi University 4 Takeda, Kofu-shi, Yamanashi 400, Japan

Rep. Gov. Ind. Res. Inst. Nagoya (Japan) (1968—)
Coden: NKGSAR ISSN 0027-7614
Reports of the Government Industrial Research Institute, Nagoya Hirate-machi Kita-ku, Nagoya, Japan

Rep. Gov. Ind. Res. Inst. Osaka (Japan) (no.363 Nov. 1983—)
Coden: OKGHA5 ISSN 0472-1438
Reports of the Government Industrial Research Institute, Osaka 1-8-31 Midorigaoka, Ikeda, Osaka 563, Japan

Rep. Himeji Inst. Technol. (Japan) (no.22A 1969—)
Coden: HKDKAO ISSN 0439-1535
Reports of Himeji Institute of Technology Himeji, Japan

Rep. Inst. High Speed Mech. Tohoku Univ. Ser. B (Japan) (1968—)
Coden: RHSMAO ISSN 0370-5315
Reports of the Institute of High Speed Mechanics, Tohoku University (A section of: Science Reports of the Research Institute, Tohoku University, Series B (Technology)) Sendai, Japan

Rep. Inst. Ind. Sci. Univ. Tokyo (Japan) (vol.22, no.4 Oct. 1972—)
Coden: RIISAX ISSN 0040-9006
Report of the Institute of Industrial Science, University of Tokyo 22-1 Roppongi, 7-chome, Minato-ku, Tokyo 106, Japan

Rep. Inst. Phys. & Chem. Res. (Japan) (vol.47, no.1 1971—)
Coden: RKKHAO ISSN 0020-3084
Reports of the Institute of Physical and Chemical Research Rikagaku Kenkyushu, Wako-shi, Saitama 351, Japan

Rep. Ionos. & Space Res. Jpn. (Japan) (1968—)
Coden: RISRAC
Report of Ionosphere and Space Research in Japan Title changed to: Sol. Terr. Environ. Res. Jpn. (Japan)

Rep. Math. Phys. (GB) (vol.1, no.1 Aug. 1970—)
Coden: RMHPBE ISSN 0034-4877
Reports on Mathematical Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Subscription address: ARS Polona-Ruch Foreign Trade Enterprise, Krakowskie Przedmiescie 7, 00-068 Warszawa

†**Rep. Prog. Phys. (GB)** (1968—)
Coden: RPPHAG ISSN 0034-4885
Reports on Progress in Physics Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

Rep. Res. Inst. Appl. Mech. (Japan) (vol.19, no.64 Jan. 1972—)
Coden: RMKUA9 ISSN 0023-6195
Reports of Research Institute for Applied Mechanics Kyushu University, Hakozaki, Fukuoka 812, Japan

Rep. Res. Inst. Ind. Sci. Kyushu Univ. (Japan) (1968—)
Coden: KURRAE ISSN 0368-6841
Reports of the Research Institute of Industrial Science, Kyushu University Fakuota, Kyushu, Japan

Rep. Res. Inst. Sci. & Technol. Nihon Univ. (Japan) (no.19 Aug. 1976—)
Coden: RRITAV ISSN 0370-7024
Report of the Research Institute of Science and Technology, Nihon University Rikogaku-Kenkuyjo (Research Institute of Science and Technology), Nihon University, No. 8, 1-chome, Surugadai, Kanda, Chiyoda-ku, Tokyo, Japan

Rep. Res. Inst. Strength & Fract. Mater. (Japan) (1968—)
Coden: TDSKBD ISSN 0563-6590
Reports of the Research Institute for Strength and Fracture of Materials Tohoku University, Sendai, Japan

Rep. Res. Lab. Eng. Mater. Tokyo Inst. Technol. (Japan) (no.8 1983—)
Coden: RRLTDF ISSN 0385-3799
Report of the Research Laboratory of Engineering Materials, Tokyo Institute of Technology 4259 Nagatsuta-cho, Midori-ku, Yokohama 227, Japan

Rep. Res. Lab. Surf. Sci. Okayama Univ. (Japan) (vol.3, no.3 Oct. 1969—)
Coden: RSSOA5 ISSN 0078-429X
Reports of the Research Laboratory for Surface Science, Okayama University Faculty of Science, Okayama, Japan

Rep. Stat. Appl. Res. UJSE (Japan) (vol.16, no.1 March 1969—)
Coden: RARJAT ISSN 0034-4842
Reports of Statistical Application Research, Union of Japanese Scientists and Engineers 5-10-11 Sendagaka, Shibuya-ku, Tokyo, Japan

Rep. Technol. Iwate Univ. (Japan) (1983—)
Coden: IDKKAL ISSN 0376-0537
Report on Technology of Iwate University Faculty of Engineering, Iwate University, 4-3-5 Ueda, Morioka-shi, Iwate 020, Japan

Rep. Univ. Electro-Commun. (Japan) (no.29 March 1971—)
Coden: DTDRAU ISSN 0493-4253
Reports of the University of Electro-Communications University of Electro-Communications, 1-5-1 Chofugaoka, Chofu-shi, Tokyo, Japan

Reprogr. Q. (GB) (vol.7, no.2 Spring 1974—)
Coden: RPGQAW ISSN 0306-2880
Reprographics Quarterly Formerly: NRCd Bull. (GB) Title changed to: Inf. Media & Technol. (GB)

Res Mech. (GB) (vol.3, no.2 Sept. 1981—)
Coden: RESMD6 ISSN 0143-0084
Res Mechanica Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Res Mech. Lett. (GB) (vol.1, no.1 Jan. 1981—)
Coden: RMLED3 ISSN 0144-7831
Res Mechanica Letters Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Res. & Dev. (USA) (vol.26, no.3 March 1984—)
Coden: REDEEA ISSN 0160-4074
Research & Development Formerly: Ind. Res./Dev. (USA)
Technical Publishing, 1301 South Grove Avenue, P.O.Box 1030, Barrington, IL 60010, USA

Res. Bull. Hiroshima Inst. Technol. (Japan) (vol.18 March 1984—)
Coden: HKDKDR ISSN 0385-1672
Research Bulletin of the Hiroshima Institute of Technology 725 Miyake, Itsukaichi-cho, Saiki-gun, Hiroshima 738, Japan

Res. Bull. Reg. Eng. Coll. Warangal (India) (vol.2 1967—)
Coden: WREBAC ISSN 0511-1110
Research Bulletin, Regional Engineering College, Warangal Warangal (AP) Kazipet (PO), India

Res. Disclosure (GB) (no.101 Sept. 1972—)
Coden: RSDSBB ISSN 0374-4353
Research Disclosure Industrial Opportunities Ltd., 13/14 Homewell, Havant, Hants. PO9 1EF, England

Res. Electrotech. Lab. (Japan) (1968—)
Coden: DSKHAS ISSN 0366-9106
Researches of the Electrotechnical Laboratory 1-1-4, Umezono, Sakuramura, Niihari-gun, Ibaraki, Japan

Res. Inst. Appl. Electr. Bull.
See: Bull. Res. Inst. Appl. Electr. (Japan)

Res. Rep. Autom. Control Lab. Fac. Eng. Nagoya Univ. (Japan) (vol.18 June 1971—)
Coden: NDKJA5 ISSN 0374-4329
Research Reports of Automatic Control Laboratory, Faculty of Engineering, Nagoya University Chikusa, Nagoya, Japan

Res. Rep. Fac. Eng. Meiji Univ. (Japan) (no.23 1968—)
Coden: MDKKAV ISSN 0465-6075
Research Reports of the Faculty of Engineering, Meiji University Meiji, Japan

Res. Rep. Fac. Eng. Tokyo Denki Univ. (Japan) (no.28 Dec. 1980—)
Coden: RPFUD8 ISSN 0389-617X
Research Reports of the Faculty of Engineering, Tokyo Denki University Formerly: Res. Rep. Tokyo Denki Univ. (Japan)
Tokyo, Japan

Res. Rep. Fac. Sci. & Technol. Meijyo Univ. (Japan) (1983—)
Coden: MDRKAW ISSN 0386-4952
Research Reports of the Faculty of Science and Technology, Meijyo University 69-49 Yagoto Urayama, Tenpaku-cho, Tenpaku-ku, Nagoya 468, Japan

Res. Rep. Inf. Sci. Ser. B (Japan) (1983—)
Coden: RRIBEF
Research Reports on Information Sciences, Series B (Operations Research) Tokyo Institute of Technology, Department of Information Sciences, 2-12-1, O-okayama, Meguro-ku, Tokyo 152, Japan

Res. Rep. Inf. Sci. Ser. C (Japan) (1983—)
Coden: RRICEI
Research Reports on Information Sciences, Series C (Computer Science) Tokyo Institute of Technology, Department of Information Sciences, 2-12-1, O-okayama, Meguro-ku, Tokyo 152, Japan

Res. Rep. Inst. Inf. Sci. & Technol. Tokyo Denki Univ. (Japan) (no.4 Oct. 1978—)
Coden: KHDKD5
Research Reports, Institute of Information Science & Technology, Tokyo Denki University Tokyo, Japan

Res. Rep. Kogakuin Univ. (Japan) (1983—)
Coden: KDKHAY ISSN 0368-5098
Research Reports of Kogakuin University 1-24-2 Shinjuku-ku, Tokyo 160-91, Japan

Res. Rep. Nagaoka Tech. Coll. (Japan) (vol.6, no.4 Dec. 1970—)
Coden: NKTDAD ISSN 0027-7568
Research Reports of the Nagaoka Technical College Library of the Nagaoka Technical College, Nishi-Katakai-machi, Nagaoka-shi, Niigata-ken, Japan

Res. Rep. Tokyo Denki Univ. (Japan) (no.26 Dec. 1978—)
Coden: RRTUDO
Research Reports of Tokyo Denki University Title changed to: Res. Rep. Fac. Eng. Tokyo Denki Univ. (Japan)

Res./Dev. (USA) (vol.20, no.11 Nov. 1969—)
Coden: REDEA6
Research/Development Title changed to: Ind. Res./Dev. (USA)

Resour. & Energy (Netherlands) (vol.1, no.3 Nov. 1978—)
Coden: RESND9 ISSN 0165-0572
Resources and Energy North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Resour. Manage. & Optimiz. (Switzerland) (vol.1, no.1 1980—)
Coden: RMOPDH ISSN 0142-2391
Resource Management and Optimization Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

Resour. Sharing & Inf. Networks (USA) (vol.1, no.1-2 Fall-Winter 1983—)
Coden: RSINEO ISSN 0737-7797
Resource Sharing and Information Networks Formerly: Resour. Sharing & Libr. Networks (USA)
Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Resour. Sharing & Libr. Networks (USA) (vol.1, no.2-3 1981-1982—)
Coden: RSLND4 ISSN 0270-3173
Resource Sharing & Library Networks Title changed to: Resour. Sharing & Inf. Networks (USA)

Ressources Inf. (France) (no.1 June-July 1984—)
Ressources Informatique 5 place du Colonel-Fabien, 75491 Paris Cedex 10, France

Retail & Distrib. Manage. (GB) (vol.11, no.5 Sept. 1983—)
Coden: RRDMEN ISSN 0307-2363
Retail & Distribution Management Newman Publishing Ltd., 48 Poland Street, London W1V 4PP, England

Retail Control (USA) (vol.52, no.5 Jan. 1984—)
Coden: RETCAC
Retail Control Financial Executives Division, NRMA, 100 West 31st Street, New York, NY 10001, USA

Rev. A (Belgium) (1968—)
Coden: RVUAAS
Revue A Title changed to: J. A (Belgium)

Rev. Acad. Cienc. Zaragoza (Spain) (vol.22, no.2 1967—)
Coden: RACZA2 ISSN 0370-3207
Revista de la Academia de Ciencias Zaragoza Academia de Ciencias Exactas, Fisico-Quimicas y Naturales de Zaragoza, Plaza de Paraiso 1, Zaragoza, Spain

Rev. Acoust. (France) (vol.13, no.53 1980—)
Coden: RACQA9 ISSN 0557-7713
Revue d'Acoustique Groupement des Acousticiens de Langue Francaise. Editorial address: CNET, 17-19 rue Ernest Laval, 92170 Vanves, France

Rev. AIBDA (Costa Rica) (vol.2, no.1 Jan.-June 1981—)
Coden: REVADJ ISSN 0250-3190
Revista AIBDA Secretaria Ejecutiva de AIBDA, c/o IICA-CIDIA, Turrailba, Costa Rica

Rev. Autom. (Spain) (vol.1, no.1 July-Sept. 1968—)
Coden: RAUTB7
Revista de Automatica Title changed to: Rev. Inf. & Autom. (Spain)

Rev. Belge Stat. Inf. & Rech. Oper. (Belgium) (vol.16, no.3 Oct. 1976—)
Coden: RBSODP ISSN 0373-9597
Revue Belge de Statistique, d'Informatique et de Recherche Operationnelle (Belgisch Tijdschrift voor Statistiek, Informatiek en Operationeel Onderzoek) SOGESCI Societe Belge pour l'Application des Methodes Scientifiques de Gestion, Rue du Neufchatel 66, 1060 Bruxelles, Belgium

Rev. Bras. Fis. (Brazil) (vol.1, no.1 April 1971—)
Coden: RBFSA3 ISSN 0374-4922
Revista Brasileira de Fisica Sociedade Brasileira de Fisica, Cx. Postal 20553, Sao Paolo SP, Brazil

Rev. Cethedec (France) (1968—)
Coden: RCETA8 ISSN 0035-2535
Revue du Cethedec Centre d'Etudes Theoriques de la Detection et des Communications, 5 bis, avenue de la Porte de Sevres, Paris 15, France

Rev. Chim. Miner. (France) (vol.7, no.1 1970—)
Coden: RVCMA8 ISSN 0035-1032
Revue de Chimie Minerale Centrale des Revues Dunod-Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France

Rev. Colomb. Fis. (Colombia) (vol.14, no.2 1980—)
Coden: RCFIDH ISSN 0120-2650
Revista Colombiana de Fisica Sociedad Colombiana de Fisica, Apartado Aereo 16776, Bogota, Colombia

Rev. E (Belgium) (1968—)
Coden: RVUEA6
Revue E Merged with Bull. Soc. R. Belge Electr. (Belgium) to form SRBE-KBVE (Belgium)

†**Rev. Electr. Commun. Lab. (Japan)** (1968—)
Coden: RELTAN ISSN 0029-067X
Review of the Electrical Communication Laboratories Nippon Telegraph and Telephone Public Corp., Midori-cho, 9-11 Musasino-si, 3 chome, Tokyo 180, Japan

Rev. Electrotec. (Argentina) (1968—)
Coden: RVELAF ISSN 0370-7857
Revista Electrotecnica Asociacion Argentina de Electrotecnicos y del Comite Electrotecnico Argentina, Posadas 1659, Buenos Aires, Argentina

Rev. Electrotec. (Spain) (1968—)
Coden: RVELAF
Revista Electrotecnica Asociacon Electrotecnica Espanola, Aribau 61, Barcelona, Spain

Rev. Energ. (France) (vol.25, no.265 Aug.-Sept. 1974—)
Coden: REEND7 ISSN 0303-240X
Revue de l'Energie Formerly: Rev. Fr. Energ. (France)
Les Editions Techniques et Economiques, 3 Rue Soufflot, 75005 Paris, France

Rev. Esp. Doc. Cient. (Spain) (vol.1, no.1 1977—)
Coden: REDCD3 ISSN 0210-0614
Revista Espanola de Documentacion Cientifica Instituto de Informacion y Documentacion en Cienca y Tecnologia, Joaquin Costa 22, Madrid 6, Spain

Rev. Esp. Electron. (Spain) (vol.19, no.206 Jan. 1972—)
Coden: RVEEBT ISSN 0482-6396
Revista Espanola de Electronica Ediciones Tecnicas 'Rede', Apartado 5252, Barcelona, Spain

Rev. Fac. Eng. Univ. Porto (Portugal) (1968—)
Coden: RFEPAH ISSN 0374-4213
Revista da Faculdade de Engenharia, Universidade do Porto Porto, Portugal

Rev. Fac. Sci. Univ. Istanbul C (Turkey) (1968—)
Coden: IFMCAL
Revue de la Faculte des Sciences de l'Universite d'Istanbul (Istanbul Universitesi Fen Fakultesi Mecmuasi) Serie C (Astronomie, Physique, Chimie) Title changed to: Rev. Fac. Sci. Univ. Istanbul Ser. C (Turkey)

Rev. Fac. Sci. Univ. Istanbul Ser. C (Turkey) (vol.45 1980—)
Coden: RFSCDH ISSN 0444-7298
Review of Faculty of Science University of Istanbul, Serie C (Istanbul Universitesi fen Fakultesi Mecmuasi, Seri C) Formerly: Rev. Fac. Sci. Univ. Istanbul C (Turkey)
Fen Fakultesi Basimevi, Istanbul, Turkey

Rev. FITCE (Belgium) (no.1 Jan.-Feb. 1973—)
Coden: RFITBG ISSN 0304-4416
Revue F.I.T.C.E Federation des Ingenieurs des Telecommunications de la Communaute Europeenne, 42 rue des Palais, 1030 Bruxelles, Belgium

Rev. Fr. Autom. Inf. Rech. Oper. (France) (vol.6, no.B-1 Jan. 1972—)
Coden: RFAIAA
Revue Francaise d'Automatique Informatique Recherche Operationnelle Formerly: Rev. Fr. Inf. & Rech. Oper. (France) Title changed to: RAIRO Inf./Comput. Sci. (France)

Rev. Fr. Electr. (France) (vol.41, no.223 1968—)
Coden: RFELA5 ISSN 0035-2926
Revue Francaise de l'Electricite Editions Sodel, 336-340 rue St-Honore, 75001 Paris, France

Rev. Fr. Energ. (France) (vol.21, no.220 April 1970—)
Coden: RVFEAX
Revue Francaise de l'Energie Title changed to: Rev. Energ. (France)

Rev. Fr. Inf. & Rech. Oper. (France) (vol.2, no.10 July 1968—)
Coden: RFIOAY
Revue Francaise d'Informatique et de Recherche Operationnelle Title changed to: Rev. Fr. Autom. Inf. Rech. Oper. (France)

Rev. Gen. Chemins de Fer (France) (1968—)
Coden: RGCFAI ISSN 0035-3183
Revue General des Chemins de Fer Centrale des Revues, 11 rue Gossin, 92543 Montrouge Cedex, France [English translations of selected articles in:*Fr. Railw. Rev. (GB)*]

Rev. Gen. Electr. (France) (1968—)
Coden: RGELAC ISSN 0035-3116
Revue Generale de l'Electricite Societe des Electriciens des Electroniciens et des Radioelectriciens, 48 rue de la Procession, 75724 Paris, Cedex 15, France

Rev. Gen. Nucl. (France) (vol.1, no.4 Sept.-Oct. 1975—)
Coden: RGNUDJ ISSN 0335-5004
Revue Generale Nucleaire Societe Francaise d'Energie Nuclaire, 48 rue de la Procession, 75724 Paris Cedex 15, France

Rev. Gen. Therm. (France) (vol.9, no.101 May 1970—)
Coden: RGTHA7 ISSN 0035-3159
Revue Generale de Thermique Thermique & Industrie, EEII, 30 Rue de la Source, 75016 Paris, France

Rev. Geofis. (Spain) (1968—)
Coden: RGNGA8
Revista de Geofisica Catedra de Geofisica, Facultad de C. Fisicas, Universidad Complutense, Madrid-3, Spain. Journal suspeded publication 1979-81

†**Rev. Geophys. & Space Phys. (USA)** (vol.8, no.1 Feb. 1970—)
Coden: RGPSBL ISSN 0034-6853
Reviews of Geophysics and Space Physics Formerly: Rev. Geophys. (USA)
American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA

Rev. Geophys. (USA) (1968—)
Coden: RVGPB4
Reviews of Geophysics Title changed to: Rev. Geophys. & Space Phys. (USA)

†**Rev. HF (Belgium)** (1968—)
Coden: RVUHAF ISSN 0035-3248
Revue HF Societe Belge des Ingenieurs des Telecommunications et d'Electronique, 66 Chaussee de Ruisbrock, Bruxelles 1190, Belgium

Rev. Inf. & Autom. (Spain) (vol.7, no.19 1974—)
Coden: RIAUD2 ISSN 0210-8712
Revista de Informatica y Automatica Formerly: Rev. Autom. (Spain)
Asociacion Espanola de Informatica y Automatica, Facultad de Ciencias, Ciudad Universitaria, Madrid-3, Spain

Rev. Int. Hautes Temp. & Refract. (France) (vol.8, no.2 April-June 1971—)
Coden: RIHTAV ISSN 0035-3434
Revue Internationale des Hautes Temperatres et des Refractaires Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

†**Rev. Jeumont-Schneider (France)** (1968—)
Coden: RJSCA8 ISSN 0035-3558
Revue Jeumont-Schneider 5 Place de Rio de Janeiro, Paris 8, France

†**Rev. Mex. Astron. & Astrofis. (Mexico)** (vol.1, no.1 April 1974—)
Coden: RMAAD4 ISSN 0185-1101
Revista Mexicana de Astronomia y Astrofisica Instituto de Astronomia, UNAM, Apartado Postal 70-264, Mexico 20, D.F, Mexico

†**Rev. Mex. Fis. (Mexico)** (1968—)
Coden: RMXFAT ISSN 0035-001X
Revista Mexicana de Fisica Sociedad Mexicana de Fisica, Apartado Postal No.70-542, Ciudad Universitaria, 04510 Mexico D.F. D.F, Mexico

†**Rev. Mod. Phys. (USA)** (1968—)
Coden: RMPHAT ISSN 0034-6861
Reviews of Modern Physics Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Rev. Opt. (France) (1968—)
Coden: ROTIAW
Revue d'Optique (Theorique et Instrumentale) Title changed to: Nouv. Rev. Opt. Appl. (France)

† indicates a journal abstracted completely

†**Rev. Phys. Appl. (France)** (1968—)
Coden: RPHAAN ISSN 0035-1687
Revue de Physique Appliquee Editions de Physique, Z.I. de Courtaboeuf, B.P. 112, Avenue du Hoggar, 91944 Les Ulis Cedex, France

Rev. Phys. Technol. (GB) (vol.1, no.3 1970—)
Coden: RPTCAL
Review of Physics in Technology Title changed to: Phys. Technol. (GB)

Rev. Polytech. (Switzerland) (no.1261 25 Jan. 1969—)
Coden: RVPTBR ISSN 0374-4256
Revue Polytechnique Chemin de la Caroline 22, 1213 Petit-Lancy, Geneve, Switzerland

†**Rev. Radio Res. Lab. (Japan)** (vol.16, no.85 July 1970—)
Coden: DKKIBA ISSN 0033-801X
Review of the Radio Research Laboratories Ministry of Posts & Telecommunications, Nukui-Kitamachi, Konganei-shi, Tokyo 184, Japan

†**Rev. Roum. Phys. (Rumania)** (1968—)
Coden: RRPQAN ISSN 0035-4090
Revue Roumaine de Physique Academie Republicii Populare Romine, Boite Postale 134-135, Bucuresti, Rumania

†**Rev. Roum. Sci. Tech. Ser. Electrotech. & Energ. (Rumania)** (1968—)
Coden: RTEEAE ISSN 0035-4066
Revue Roumaine des Sciences Techniques. Serie Electrotechnique et Energetique Academia Republicii Populare Romine. Editorial address: Sos. Vitan 236, Bucuresti, Rumania

Rev. Roum. Sci. Tech. Ser. Mec. Appl. (Rumania) (1968—)
Coden: RTMAA8 ISSN 0035-4074
Revue Roumaine des Sciences Techniques. Serie de Mecanique Appliquee Str. Constantin Mille 15, Bucuresti, Rumania

†**Rev. Sci. Instrum. (USA)** (1968—)
Coden: RSINAK ISSN 0034-6748
Review of Scientific Instruments American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**Rev. Tech. Thomson-CSF (France)** (vol.1, no.3 Sept. 1969—)
Coden: RTTCBG ISSN 0035-4279
Revue Technique Thomson-CSF Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

Rev. Telecomun. (Spain) (1968—)
Coden: RVTEAZ ISSN 0034-8961
Revista de Telecomunicacion Consejo Tecnica de Telecomunicacion, Palacio de Comunicaciones, Apartado 936, Madrid, Spain

Rev. Telegr. Electron. (Argentina) (no.722 Jan. 1973—)
Coden: RTELB2 ISSN 0035-0516
Revista Telegrafica Electronica Editorial address: Avenida Martin Garcia 653, Buenos Aires, Argentina

Reyrolle Parsons Rev. (GB) (vol.1, no.1 Summer 1971—)
Coden: REYRAE
Reyrolle Parsons Review Formerly: Parsons J. (GB) Title changed to: NEI Rev. (GB)

Rheol. Acta (Germany) (1968—)
Coden: RHEAAK ISSN 0035-4511
Rheologica Acta Dr. Steinkopf Verlag, 6100 Darmstadt, Postfach 1008, Germany

Rhod. Eng. (Rhodesia) (vol.8, no.5 Sept. 1970—)
Coden: RHENAP
Rhodesian Engineer Title changed to: Zimbabwe Eng.

†**Ric. Autom. (Italy)** (vol.1, no.1 Sept. 1970—)
Coden: RCAUBQ ISSN 0048-8291
Ricerche di Automatica E.S.I.A., Edizioni Scientifiche Inglesi Americane srL., Via Sommacampagna 11-13, 00185 Roma, Italy

Ric. Spettrosc. (Italy) (1968—)
Coden: RSLAAU ISSN 0370-7342
Ricerche Spettroscopiche Specola Vaticana, Citta del Vaticano, Italy

Rikagaku Kenkyusho Hokoku
See: Rep. Inst. Phys. & Chem. Res. (Japan)

Risk Anal. (USA) (vol.1, no.1 March 1981—)
Coden: RIANDF ISSN 0272-4332
Risk Analysis Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

Risk Manage. (USA) (vol.29, no.1 Jan. 1982—)
Coden: RMGTDN ISSN 0035-5593
Risk Management Risk Management Society Publishing Inc., 205 East 42nd Street, New York, NY 10017, USA

Ritsumeikan Daigaku Rikogaku Kenkyusho Kiyo
See: Mem. Res. Inst. Sci. & Eng. Ritsumeikan Univ. (Japan)

Ritsumeikan Univ. Res. Inst. Sci. & Eng. Mem.
See: Mem. Res. Inst. Sci. & Eng. Ritsumeikan Univ. (Japan)

†**Riv. Inf. (Italy)** (vol.5, no.2 June 1974—)
Coden: RIINDL ISSN 0390-668X
Rivista di Informatica AICA - Associazione Italiana per il Calcolo Automatica, c/o FAST, P. le Rodolfo Morandi 2, 20121 Milano, Italy

†**Riv. Nuovo Cimento (Italy)** (vol.1, no.1 Jan.-March 1969—)
Coden: RNUCAC ISSN 0035-5917
Rivista del Nuovo Cimento Societa Italiana di Fisica, Via Degli Andalo 2, Bologna 40124, Italy

Robot (Japan) (no.41 Feb. 1984—)
Coden: ROBBDQ ISSN 0387-1940
Robot Japan Industrial Robot Association, 3-5-8 Shiba-kohen, Minato-ku, Tokyo 105, Japan

Robotica (GB) (vol.2, pt.1 Jan. 1984—)
Coden: ROBODV ISSN 0263-5747
Robotica Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, England

Robotics Age (USA) (vol.4, no.4 July-Aug. 1982—)
Coden: ROAGD2 ISSN 0197-1905
Robotics Age Robotics Age Inc., Strand Building, 174 Concord Street, Peterborough, NH 03458, USA

Robotics Today (USA) (vol.4, no.2 April 1982—)
Coden: ROTODJ ISSN 0193-6913
Robotics Today Robotics International of the Society of Manufacturing Engineers, One SME Drive, P.O.Box 930, Dearborn, MI 48128, USA

Robotics World (USA) (vol.2, no.1-2 Jan.-Feb. 1984—)
Coden: ROWOEZ ISSN 0737-7908
Robotics World Communication Channels Inc., 6255 Barfield Road, Atlanta, GA 30328, USA

Robotto
See: Robot (Japan)

Rock Mech. & Rock Eng. (Austria) (vol.16, no.1 Feb. 1983—)
Coden: RMREDX ISSN 0723-2632
Rock Mechanics and Rock Engineering Formerly: Rock Mech. (Austria)
Springer-Verlag, Molkerbastei 5, P.O.Box 367, A-1011 Wien, Austria

Rock Mech. (Austria) (vol.4, no.1 1972—)
Coden: RMFMAS ISSN 0035-7448
Rock Mechanics (Felsmechanik-Mecanique des Roches) Title changed to: Rock Mech. & Rock Eng. (Austria)

Rocky Mountain J. Math. (USA) (vol.14, no.1 Winter 1984—)
Coden: RMJMAE ISSN 0035-7596
Rocky Mountain Journal of Mathematics Rocky Mountain Mathematics Consortium, Texas Tech University Press, Lubbock, TX 79409, USA

Roentgen-Bl. Prax. & Klin. (Germany) (vol.36, no.7 July 1983—)
Coden: ROBLAJ ISSN 0300-8592
Rontgen-Blatter Praxis und Klinik Formerly: Roentgenpraxis (Germany)
Georg Thieme Verlag, Rudigerstrasse 14, Postfach 732, 7000 Stuttgart 1, Germany

Roentgenpraxis (Germany) (vol.23, no.12 Dec. 1970—)
Coden: RGPXB2 ISSN 0035-7820
Rontgenpraxis Title changed to: Roentgen-Bl. Prax. & Klin. (Germany)

†**Rozpr. Electrotech. (Poland)** (1968—)
Coden: RZETAX ISSN 0035-9386
Rozprawy Electrotechniczne Panstwowe Wydaioructwo Naukowe, Warszawa, Miodowa 10, Poland

Rozpr. Hydrotech. (Poland) (no.22 1968—)
Coden: RZHTAE ISSN 0035-9394
Rozprawy Hydrotechniczne Instytut Budownictwa Wodnego, Polskiej Akademii Nauk w Gdansku, Gdansk, Poland

RSC Railw. Syst. Controls (USA) (vol.2, no.1 Jan. 1971—)
Coden: RSYCAX
RSC Railway System Controls Title changed to: Railw. Age (USA)

RTE (Switzerland) (no.11 1979—)
Coden: RTEEDH
RTE Formerly: Radio-TV-Electron. (Switzerland) Title changed to: Electron. Sound + RTE (Switzerland)

†**Rundfunktech. Mitt. (Germany)** (1968—)
Coden: RUMIA5 ISSN 0035-9890
Rundfunktechnische Mitteilungen Institut fur Rundfunktechnik, Mittelweg 113, Hamburg 13, Germany

Russ. Eng. J. (GB) (vol.49, no.2 1969—)
Coden: RENJA3 ISSN 0036-0228
Russian Engineering Journal Merged with Mach. & Tool. (GB) to form Sov. Eng. Res. (GB)

Russ. Metall. (GB) (no.4 1974—)
Coden: RMLYAQ ISSN 0036-0295
Russian Metallurgy [Translation of: *Izv. Akad. Nauk. SSSR Met.*]
Scientific Information Consultants Ltd., 661 Finchley Road, London, NW2 2HN, England

Rutgers Comput. & Technol. Law J. (USA) (vol.8, no.2 1980—)
Coden: RCTJDM
Rutgers Computer & Technology Law Journal Formerly: Rutgers J. Comput. Technol. & Law (USA)
Rutgers Law School, 15 Washington Street, Newark, NJ 07102, USA

Rutgers J. Comput. & Law (USA) (vol.2, no.1 1971—)
Coden: RJCLAN
Rutgers Journal of Computers and the Law Title changed to: Rutgers J. Comput. Technol. & Law (USA)

Rutgers J. Comput. Technol. & Law (USA) (vol.8, no.1 1980—)
Coden: RJCLDQ
Rutgers Journal of Computers, Technology and the Law Formerly: Rutgers J. Comput. & Law (USA) Title changed to: Rutgers Comput. & Technol. Law J. (USA)

Rydge's (Australia) (vol.56, no.8 Aug. 1983—)
ISSN 0036-0511
Rydge's Rydge Publications Pty. Ltd., Box 3337, Sydney, NSW 2000, Australia

Ryukyu Daigaku Rigakubu kiyo
See: Bull. Coll. Sci. Univ. Ryukyus (Japan)

Ryukyus Univ. Coll. Sci. Bull.
See: Bull. Coll. Sci. Univ. Ryukyus (Japan)

S. Afr. Inst. Electr. Eng. Trans.
See: Trans. S. Afr. Inst. Electr. Eng. (S. Africa)

S. Afr. J. Antarct. Res. (no.2 1972—)
Coden: SAARCF ISSN 0081-2455
South African Journal of Antarctic Research Editorial Address: P.O. Box 3718, Johannesburg, South Africa

S. Afr. J. Librarianship & Inf. Sci. (S. Africa) (vol.50, no.1 July 1982—)
Coden: SATIDG ISSN 0038-240X
South African Journal for Librarianship and Information Science (Suid-Afrikaanse Tydskrif vir Biblioteek- en Inligtingwese) South African Insitute for Librarianship and Information Science, c/o Prof. R.B. Zaaiman, Department of Library and Information Science, University of South Africa, P.O.Box 392, Pretoria 0001, South Africa

S. Afr. J. Phys. (S. Africa) (vol.1, no.1 1978—)
Coden: SAPHDR ISSN 0379-4377
South African Journal of Physics (Suid-Afrikaanse Tydskrif vir Fisika) Bureau for Scientific Publications, P.O. Box 1758, Pretoria 0001, South Africa

S. Afr. Mech. Eng. (S. Africa) (vol.30, no.11 Nov. 1980—)
Coden: SAMEAY ISSN 0038-2442
South African Mechanical Engineer South African Institute of Mechanical Engineers, P.O.Box 61019, Marshalltown 2107, South Africa

S.-Afr. Tydskr. Bibl.- & Inligtingwese
See: S. Afr. J. Librarianship & Inf. Sci. (S. Africa)

S.-Afr. Tydskr. Fis.
See: S. Afr. J. Phys. (S. Africa)

S.-Afr. Tydskr. Natuurwet. & Tecnol. (S. Africa) (vol.2, no.1 March 1983—)
Coden: SATTDF
Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tecnologie Suid-Afrikaanse Akademie vir Wetenskap en Kuns, Postbus 538, Pretoria 0001, South Africa

Sadhana (India) (vol.7, pt.1 June 1984—)
Sadhana Formerly: Proc. Indian Acad. Sci. Eng. Sci.
Indian Academy of Sciences, Bangalore 560 080, India

† indicates a journal abstracted completely

Saehkoe (Finland) (1968—)
Coden: SAEFAV
Sahko Electricity in Finland Title changed to: Saehkoe Electr. & Electron. (Finland)

Saehkoe Electr. & Electron. (Finland) (vol.54, no.7-8 Aug. 1981—)
Coden: SAHKDU ISSN 0036-2670
Sahko Electricity and Electronics Formerly: Saehkoe (Finland)
Merikasarmikatu 7 J 53, 00160 Helsinki, Finland

SAEST Trans.
See: Trans. SAEST (India)

Saitama Daigaku Kiyo, Rikogakubu, Kogakukei
See: Sci. & Eng. Rep. Saitama Univ. Ser. C (Japan)

Saitama Univ. Sci. & Eng. Rep. Ser. C
See: Sci. & Eng. Rep. Saitama Univ. Ser. C (Japan)

Saitama Univ. Sci. Rep. Ser. A
See: Sci. Rep. Saitama Univ. Ser. A (Japan)

Sales & Mark. Manage. (USA) (vol.133, no.3 13 Aug. 1984—)
Coden: SMMAD7 ISSN 0163-7517
Sales & Marketing Management Bill Communications, 633 Third Avenue, New York, NY 10164-0563, USA

Satell. & Cable Telev. News (GB) (no.16 Feb. 1984—)
Coden: SCTNEC ISSN 0265-2927
Satellite & Cable Television News Formerly: Satell. TV News (GB)
Spotlight Publications Ltd., Wellington House, 6-9 Upper St. Martin's Lane, London WC2H 9EX, England

Satell. Commun. (USA) (vol.3, no.8 Aug. 1979—)
Coden: SACODH ISSN 0147-7439
Satellite Communications Cardiff Publishing Co., 3900 South Wadsworth Boulevard, Denver, CO 80235, USA

Satell. TV News (GB) (no.9 June 1983—)
Coden: STVND4 ISSN 0265-2927
Satellite TV News Title changed to: Satell. & Cable Telev. News (GB)

Sb. Kratk. Soobshch. Fiz. AN SSSR Fiz. Inst. P.N. Lebedeva (no.3 1974—)
Sbornik Kratkie Soobshcheniya po Fizike. AN SSSR. Fizicheskii Institut im. P.N. Lebedeva Editorial address: II733, Moskva B-333, Leninskii Prospekt 53, USSR [English translation in: *Sov. Phys.-Lebedev Inst. Rep. (USA)*]

Scand. Audiol. (Sweden) (vol.8, no.1 1979—)
Coden: SNADAS ISSN 0105-0397
Scandinavian Audiology Almqvist & Wiksell Periodical Co., P.O. Box 62, S-101 20 Stockholm, Sweden

Scand. Audiol. Suppl. (Sweden) (no.9 1979—)
Coden: SAUSBF ISSN 0107-8593
Scandinavian Audiology Supplementum Issued with: *Scand. Audiol. (Sweden)*

Scand. J. Metall. (Finland) (vol.10, no.1 1981—)
Coden: SJMLAG ISSN 0371-0459
Scandinavian Journal of Metallurgy P.O.Box 244, SF-001310 Helsinki 13, Finland

Scand. J. Stat. Theory & Appl. (Sweden) (vol.2, no.2 1975—)
Coden: SJSADG ISSN 0303-6898
Scandinavian Journal of Statistics Theory and Applications Almqvist & Wiksell Periodical Co., P.O. Box 62, S-101 20 Stockholm 1, Sweden

Scanner (GB) (no.37 Summer 1969—)
Coden: SCANAF ISSN 0487-577X
Scanner Journal of Decca Radar Ltd., Decca House, Albert Embankment, London, SE1, England

Scanning (Germany) (vol.2, no.1 1979—)
Coden: SCNNDF ISSN 0161-0457
Scanning Title changed to: Scanning (USA)

Scanning (USA) (vol.6, no.2 1984—)
Coden: SCNNDF ISSN 0161-0457
Scanning Formerly: Scanning (Germany)
FACM Publishing Inc., The JBI Building, Box 521, Mahwah, NJ 07430, USA

Scanning Electron Microsc. (USA) (pt.1 1979—)
Coden: SEMYBL ISSN 0586-5581
Scanning Electron Microscopy P.O. Box 66507, AMF O'Hare, IL 60666, USA

Schweiz. Inst. Nuklearforsch. Newsl.
See: SIN Newsl. (Switzerland)

Schweiz. Tech. Z. (Switzerland) (vol.73, no.47-48 25 Nov. 1976—)
Coden: STZTA5 ISSN 0040-151X
Schweizerische Technische Zeitschrift Schweizerischer Technischer Verband, Weinbergstrasse 41, 8023 Zurich, Switzerland

Sci-Tech News (USA) (vol.27, no.1 Spring 1973—)
Coden: STNWAM ISSN 0036-8059
Sci-Tech News Special Libraries Association, P.O.Box 1414, Canoga Park, CA 91304-0414, USA

Sci. & Cult. (India) (1968—)
Coden: SCINAL ISSN 0036-8156
Science and Culture Indian Science News Association, 92 Acharya Prafullachandra Road, Calcutta 9, India

Sci. & Eng. Rep. Def. Acad. (Japan) (vol.16, no.4 Dec. 1978—)
Coden: BDRKAD
Scientific and Engineering Reports of the Defense Academy Title changed to: Sci. & Eng. Rep. Natl. Def. Acad. (Jpn.) (Japan)

Sci. & Eng. Rep. Natl. Def. Acad. (Jpn.) (Japan) (vol.18, no.1 March 1980—)
Coden: BDRHD7 ISSN 0385-7301
Scientific and Engineering Reports of the National Defense Academy (Japanese) Formerly: Sci. & Eng. Rep. Def. Acad. (Japan)
Hashirimizu 1-10-20, Yokosuka 239, Japan

Sci. & Eng. Rep. Saitama Univ. Ser. C (Japan) (no.4 Dec. 1970—)
Coden: SSECBD ISSN 0586-7266
Science and Engineering Reports of Saitama University, Series C Urawa-City, Saitama-ken, Japan

Sci. & Eng. Rev. Doshisha Univ. (Japan) (1968—)
Coden: DDRKAZ ISSN 0036-8172
Science and Engineering Review of Doshisha University Science and Engineering Research Institute of Doshisha University, Kyoto, Japan

Sci. & Technol. Libr. (USA) (vol.3, no.1 Fall 1982—)
Coden: STELDF ISSN 0194-262X
Science & Technology Libraries Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Sci. Am. (USA) (1968—)
Coden: SCAMAC ISSN 0036-8733
Scientific American 415 Madison Avenue, New York, NY 10017, USA

Sci. Atmos. Sin. (China) (vol.2, no.4 1978—)
Coden: TKHSDX
Scientia Atmospherica Sinica Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking, People's Republic of China

†**Sci. Comput. Program. (Netherlands)** (vol.1, no.1-2 Oct. 1981—)
Coden: SCPGD4 ISSN 0167-6423
Science of Computer Programming North-Holland Publishing Co., P.O.Box 103, 1000 AC Amsterdam, Netherlands

Sci. Dimension (Canada) (vol.1, no.1 April 1969—)
Coden: NRSDAN ISSN 0036-830X
Science Dimension National Research Council of Canada, Ottawa K1A OR6, Canada

†**Sci. Electr. (Switzerland)** (1968—)
Coden: SCELAT ISSN 0036-8695
Scientia Electrica Institut fur Hohere Elektrotechnik, Eidgenossische Technische Hochschule, Gloriastr. 35, 8006-Zurich, Switzerland

Sci. J. (GB) (1968—)
Coden: SCJUAD
Science Journal Incorporated with New Sci. (GB)

Sci. Pap. Coll. Arts & Sci. Univ. Tokyo (Japan) (vol.33, no.1 June 1983—)
Coden: SPCTDZ ISSN 0040-8964
Scientific Papers of the College of Arts and Sciences, University of Tokyo Formerly: Sci. Pap. Coll. Gen. Educ. Univ. Tokyo (Japan)
Komaba, Meguro-ku, Tokyo 153, Japan

Sci. Pap. Coll. Gen. Educ. Univ. Tokyo (Japan) (1968—)
Coden: SPUTAK ISSN 0040-8964
Scientific Papers of the College of General Education, University of Tokyo Title changed to: Sci. Pap. Coll. Arts & Sci. Univ. Tokyo (Japan)

Sci. Pap. Inst. Phys. & Chem. Res. (Japan) (1968—)
Coden: SPIPAG ISSN 0020-3092
Scientific Papers of the Institute of Physical and Chemical Research Rikagaku Kenkyusho, Wako-shi, Saitama 351, Japan

Sci. Prog. (GB) (1968—)
Coden: SCPRAY ISSN 0036-8504
Science Progress Blackwell Scientific Publications, Oxford, England

Sci. Rep. Kanazawa Univ. (Japan) (vol.13, no.1 June 1968—)
Coden: SRKAAT ISSN 0022-8338
Science Reports of Kanazawa University Faculty of Science, Kanazawa University, Kanazawa, Japan

Sci. Rep. Osaka Univ. (Japan) (1968—)
Coden: SCRTAG ISSN 0474-781X
Science Reports Osaka University College of General Education, Osaka University, Toyonaka, Osaka, Japan

Sci. Rep. Res. Inst. Tohoku Univ. Ser. A (Japan) (1968—)
Coden: SRTAA6 ISSN 0040-8808
Science Reports of the Research Institutes, Tohoku University. Series A (Physics, Chemistry, and Metallurgy) Sendai, Japan

Sci. Rep. Saitama Univ. Ser. A (Japan) (1968—)
Coden: SRSAAZ ISSN 0558-2431
Science Reports of the Saitama University. Series A (Mathematics, Physics and Chemistry) Urawa, Japan

Sci. Rep. Tohoku Univ. Eighth Ser. Phys. & Astron. (Japan) (vol.1, no.1 June 1980—)
Coden: SRTAD9 ISSN 0388-5607
Science Reports of the Tohoku University, Eighth Series, Physics and Astronomy Faculty of Science, Tohoku University, Sendai 980, Japan

Sci. Rep. Tohoku Univ. I (Japan) (1968—)
Coden: STUCAV ISSN 0040-8778
Science Reports of the Tohoku University, First Series Library, Department of Chemistry, Faculty of Science, Tohoku University, Sendai 980, Japan

Sci. Rep. Tokohu Univ. Fifth Ser. Geophys. (Japan) (vol.26, no.1 Oct. 1979—)
Coden: STUEA3
Science Reports of the Tohoku University, Fifth Series, Geophysics Title changed to: Tohoku Geophys. J. Sci. Rep. Tohoku Univ. Fifth Ser. (Japan)

Sci. Rep. Yokohama Natl. Univ. Sect. I (Japan) (1968—)
Coden: SYUMAS ISSN 0085-8366
Science Reports of the Yokohama National University. Section I (Mathematics, Physics and Chemistry) Faculty of Liberal Arts and Education, Yokohama National University, Tokiwadai 156, Hodogaya-ku, Yokohama 240, Japan

Sci. Res. (Bangladesh) (vol.4, no.4 Oct. 1967—)
Coden: SCRSAD
Scientific Researches Title changed to: Bangladesh J. Sci. & Ind. Res.

Sci. Rev. (Yugoslavia) (vol.20, no.2 10 May 1969—)
Coden: SRVUA8
Scienca Revuo Prof. B. Popovic, Ognjena Price 80, Beograd, Yugoslavia

Sci. Sin. (China) (vol.16, no.1 Feb. 1973—)
Coden: SSINAV ISSN 0250-7870
Scientia Sinica Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking, China

Sci. Sintering (Yugoslavia) (vol.6, no.1-2 May 1974—)
Coden: SCSNB4 ISSN 0350-820X
Science of Sintering Formerly: Phys. Sintering (Yugoslavia)
Yugoslav Committee for ETAN, P.O. Box 356 (ETAN), 11001 Beograd, Yugoslavia

Sci. Soc. Thailand J.
See: J. Sci. Soc. Thailand

Sci. Tools (Sweden) (1968—)
Coden: SCTOAB ISSN 0036-8598
Science Tools Issued with: *LKB News Sci. Tools (Sweden)*

Scicon Software & Serv. Rev. (GB) (no.3 1983—)
Coden: SSSRDS ISSN 0265-2935
Scicon Software & Services Review Scicon Ltd., 49 Berners Street, London W1P 4AQ, England

Science (USA) (1968—)
Coden: SCIEAS ISSN 0036-8075
Science American Association for the Advancement of Science, 1515 Massachusetts Avenue N.W., Washington, DC 20005, USA

Scientia (Chile) (1968—)
Coden: SCNTAU ISSN 0036-8679
Scientia Universidad Tecnica Federico Santa Maria, Casilla 110-V, Valparaiso, Chile

Scientometrics (Netherlands) (vol.1, no.1 Sept. 1978—)
Coden: SCNTDX ISSN 0138-9130
Scientometrics Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

† indicates a journal abstracted completely

Scott Rep. (USA) (vol.1, no.1 Oct. 1981—)
Coden: SCREE9 ISSN 0730-1022
The Scott Report Law & Technology Press, 1112 Ocean Drive, Suite 201, Manhattan Beach, CA 90266, USA

Scr. Fac. Sci. Nat. Univ. Purkynianae Brunensis Phys. (Czechoslovakia) (vol.2, no.3 1972—)
Coden: SUPBAA ISSN 0231-6129
Scripta Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis, Physica University J.E. Purkyne, 61137 Brno-Kotlarska 2, Czechoslovakia

†**Scr. Metall. (USA)** (1968—)
Coden: SCRMBU ISSN 0036-9748
Scripta Metallurgica Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Sdelovaci Tech. (Czechoslovakia) (vol.16, no.10-11 Oct.-Nov. 1968—)
Coden: SDTEAM ISSN 0036-9942
Sdelovaci Technika SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Sea Technol. (USA) (vol.14, no.7 July 1973—)
Coden: SEATAD ISSN 0093-3651
Sea Technology Formerly: Undersea Technol. (USA)
Compass Publications Inc., Suite 1000, 1117 North 19th Street, Arlington, VA 22209, USA

Seikei Daigaku Kogakubu Kogaku Hokoku
See: Technol. Rep. Seikei Univ. (Japan)

Seikei Univ. Technol. Rep.
See: Technol. Rep. Seikei Univ. (Japan)

Seimitsu Kikai
See: J. Jpn. Soc. Precis. Eng. (Japan)

Seism. Instrum. (USA) (vol.13 1980—)
Coden: SIEEEK
Seismic Instruments [Translation of: *Seism. Prib. Instrum. Sredstva Seism. Nabl. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Seism. Prib. Instrum. Sredstva Seism. Nabl. (USSR) (vol.13 1980—)
Coden: SPRID9 ISSN 0131-6230
Seismicheskie Pribory: Instrumental'naye Sredstva Seismicheskikh Nablyudenii Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Seism. Instrum. (USA)*]

Seismol. & Geol. (China) (vol.3, no.1 March 1981—)
Coden: DDIZD4
Seismology and Geology Seismological Press. Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Seismol. Bull. (Canada) (no.66 Jan.-Dec. 1972—)
Coden: CESSCS
Seismological Bulletin. Seismological Series of the Earth Physics Branch Title changed to: Seismol. Ser. Earth Phys. Branch (Canada)

Seismol. Ser. Earth Phys. Branch (Canada) (no.67 1974—)
Coden: CESSCS ISSN 0084-8387
Seismological Series of the Earth Physics Branch Formerly: Seismol. Bull. (Canada)
Department of Energy, Mines and Resources, Ottawa, Canada

Seismol. Soc. Am. Bull.
See: Bull. Seismol. Soc. Am. (USA)

Sel. Math. Sov. (USA) (vol.1, no.1 1981—)
Coden: SMSODB ISSN 0272-9903
Selecta Mathematica Sovietica Birkhauser Boston Inc., 380 Green Street, Cambridge, MA 02139, USA

Semicond. & Insul. (GB) (vol.2, no.4 1977—)
Coden: SINSD4 ISSN 0309-5991
Semiconductors and Insulators Formerly: J. Nonmet. & Semicond. (GB)
Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London WC2, England

Semicond. Int. (USA) (vol.5, no.5 May 1982—)
Coden: SITLDD ISSN 0163-3767
Semiconductor International Cahners Publishing Co., 270 St. Paul Street, Denver, CO 80206, USA

Semicond. Prod. & Solid State Technol. (USA) (1968—)
Coden: SPSTAA
Semiconductor Products and Solid State Technology Title changed to: Solid State Technol. (USA)

Semicond. Prod. (GB) (Autumn 1980—)
Coden: SPRDDS
Semiconductor Production Title changed to: Eur. Semicond. Des. & Prod. (GB)

Semin. Nucl. Med. (USA) (vol.1, no.1 Jan. 1971—)
Coden: SMNMAB ISSN 0001-2998
Seminars in Nuclear Medicine Grune & Stratton Inc., 177 Fifth Avenye, New York, NY 10003, USA

†**Sens. & Actuators (Switzerland)** (vol.1, no.1 March 1981—)
Coden: SEACDX ISSN 0250-6874
Sensors and Actuators Elsevier Sequoia S.A., P.O.Box 851, 1001 Lausanne 1, Switzerland

Sensor Rev. (GB) (vol.1, no.1 Jan. 1981—)
Coden: SNRVDY ISSN 0260-2288
Sensor Review IFS (Publications) Ltd., 35-39 High Street, Kempston, Bedford MK42 7BT, England

Serbian Acad. Sci. & Arts, Monogr., Dep. Tech. Sci. (Yugoslavia) (no.19 1980—)
Coden: MSASDB ISSN 0081-4040
Serbian Academy of Sciences and Arts, Monographs, Department of Technical Sciences 11000 Beograd, Kniz Mihailova 35, Yugoslavia

SERT J. (GB) (vol.5, no.1 Jan. 1971—)
Coden: SERJAY
SERT Journal Formerly: Electron. & Radio Tech. (GB) Title changed to: Electron. Technol. (GB)

Shanghai Chiao-Tung Univ. J.
See: Shanghai Jiaotong Daxue Xuebao (China)

Shanghai Jiaotong Daxue Xuebao (China) (no.1 Feb. 1981—)
Coden: SCTPDH
Shanghai Jiaotong Daxue Xuebao (Journal of Shanghai Chiao-Tung University) Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Sharp Tech. J. (Japan) (no.30 1984—)
Coden: STEJD9 ISSN 0285-0362
Sharp Technical Journal Sharp Co. Ltd., 2613-1 Ichinomoto, Tenri, Nara 632, Japan

SHD Storage-Handl.-Distrib. (GB) (vol.24, no.12 March 1981—)
Coden: STHDA3 ISSN 0039-1832
SHD Storage-Handling-Distribution Turret Press Ltd., 886 High Road, Finchley, London N12 9SB, England

Shimadzu Rev. (Japan) (vol.27, no.4 1970—)
Coden: SHHYAG ISSN 0371-005X
Shimadzu Review Shimadzu Corp., Kawaramachi Nijo, Nakagyo-ku, Kyoto, Japan

Shimazu Hyoron
See: Shimadzu Rev. (Japan)

Shinko Denki
See: Shinko Electr. J. (Japan)

Shinko Electr. J. (Japan) (vol.28, no.3 1983—)
Coden: SHDED7 ISSN 0386-4146
Shinko Electric Journal Shinko Electric Co. Ltd., Asahi Building, 3-12-2 Nihonbashi, Chuo-ku, Tokyo 103, Japan

Shinku
See: J. Vac. Soc. Jpn. (Japan)

Shinshu Daigaku Kogakubu Kiyo
See: J. Fac. Eng. Shinshu Univ. (Japan)

Shinshu Univ. Fac. Eng. J.
See: J. Fac. Eng. Shinshu Univ. (Japan)

Shisutemu To Seigyo
See: Syst. & Control (Japan)

Shitsuryo Bunseki
See: Mass Spectrosc. (Japan)

Shizuoka Daigaku Denshi Kogaku Kenkyusho Kenkyu Hokoku
See: Bull. Res. Inst. Electron. Shizuoka Univ. (Japan)

Shizuoka Daigaku Kogakubu Kenkyu Hokoku
See: Rep. Fac. Eng. Shizuoka Univ. (Japan)

Shizuoka Univ. Fac. Eng. Rep.
See: Rep. Fac. Eng. Shizuoka Univ. (Japan)

Shomei Gakkai Zasshi
See: J. Illum. Eng. Inst. Jpn. (Japan)

Short Wave Mag. (GB) (vol.41, no.479 Sept. 1983—)
Coden: SWVMAJ ISSN 0037-4261
Short Wave Magazine Short Wave Magazines Ltd., 34 High Street, Welwyn, Herts. AL6 9EQ, England

Showa Densen Denran Rebyu
See: Showa Wire & Cable Rev. (Japan)

Showa Wire & Cable Rev. (Japan) (vol.24, no.1 1974—)
Coden: SDDRAF ISSN 0387-2181
Showa Wire and Cable Review Showa Electric Wire and Cable Co. Ltd., Tokyo Toranomon Building, No. 10, Shiba-Toranomon, Minato-ku, Tokyo, Japan

SIAM J. Algebraic & Discrete Methods (USA) (vol.2, no.1 March 1981—)
Coden: SJAMDU ISSN 0196-5212
SIAM Journal of Algebraic and Discrete Methods SIAM Publications, 1405 Architects Building, 117 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Appl. Math. (USA) (vol.18, no.4 June 1970—)
Coden: SMJMAP ISSN 0036-1399
SIAM Journal on Applied Mathematics Society for Industrial and Applied Mathematics, 117 South 17th Street, Philadelphia, PA 19103, USA

†**SIAM J. Comput. (USA)** (vol.1, no.1 March 1972—)
Coden: SMJCAT ISSN 0097-5397
SIAM Journal on Computing SIAM Publications, 1405 Architects Building, 117 South 17th Street, Philadelphia, PA 19103, USA

†**SIAM J. Control & Optimiz. (USA)** (vol.14, no.1 Jan. 1976—)
Coden: SJCODC ISSN 0363-0129
SIAM Journal on Control and Optimization Formerly: SIAM J. Control (USA)
SIAM Publications, 117 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Control (USA) (1968—)
Coden: SJCOA9
SIAM Journal on Control Title changed to: SIAM J. Control & Optimiz. (USA)

SIAM J. Math. Anal. (USA) (vol.3, no.2 May 1972—)
Coden: SJMAAH ISSN 0036-1410
SIAM Journal on Mathematical Analysis SIAM Publications, 117 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Numer. Anal. (USA) (vol.5, no.2 July 1968—)
Coden: SJNAAM ISSN 0036-1429
SIAM Journal on Numerical Analysis SIAM Publications, 117 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Sci. & Stat. Comput. (USA) (vol.2, no.2 June 1981—)
Coden: SIJCD4 ISSN 0196-5204
SIAM Journal on Scientific and Statistical Computing SIAM Publications, 1405 Architects Building, 117 South 17th Street, Philadelphia, PA 19103, USA

SIAM Rev. (USA) (1968—)
Coden: SIREAD ISSN 0036-1445
SIAM Review SIAM Publications, 117 South 17th Street, Philadelphia, PA 19103, USA

SID J. (USA) (vol.10, no.2 March-April 1973—)
Coden: SIDJAQ
SID Journal Formerly: Inf. Disp. (USA) Title changed to: Inf. Disp. (USA)

Siderurgia (Argentina) (vol.1, no.3 Jan.-March 1975—)
Coden: SIDEDE ISSN 0325-0520
Siderurgia Instituto Argentino de Siderurgia, Avda. Eduardo Madero 1020, Capital, Anexo Edificio Conurban 1 y 2, Piso, Argentina

Siemens Components (Engl. Ed.) (Germany) (vol.15, no.1 March 1980—)
Coden: SICOD5 ISSN 0173-1734
Siemens Components (English Edition) Formerly: Components Rep. (Germany)
Siemens Aktiengesellschaft, Hellabrunner Strasse 1, 8000 Munchen 90, Germany

Siemens Electron. Components Bull. (Germany) (vol.6, no.1 Aug. 1971—)
Coden: SELCBI
Siemens Electronic Components Bulletin Title changed to: Components Rep. (Germany)

†**Siemens Forsch.- & Entwicklungsber. (Germany)** (vol.1, no.1 1971—)
Coden: SFEBBL ISSN 0370-9736
Siemens Forschungs- und Entwicklungsberichte (Research and Development Reports) Formerly: Entwicklungsber. Siemens & Halske (Germany)
Springer-Verlag, D-1 Berlin 33, Heidelberger Platz 3, Germany

Siemens Power Eng. (Germany) (vol.1, no.1 Jan. 1979—)
Coden: SPOEDG ISSN 0170-950X
Siemens Power Engineering Siemens Aktiengesellschaft, Postfach 3240, D-8520 Erlangen 2, Germany

Siemens Rev. (Germany) (1968—)
Coden: SZTEA6 ISSN 0302-2528
Siemens Review Siemens-Aktiengesellschaft, Postfach 3240, 8520 Erlangen 2, Germany

Siemens-Albis Ber. (Switzerland) (vol.24, no.1 Nov. 1972—)
Coden: SABRBJ
Siemens-Albis Berichte Formerly: Albiswerk-Ber. (Switzerland)
Siemens-Albis Aktiengesellschaft, Albisriederstrasse 245, 8047 Zurich, Switzerland

SIGACT News (USA) (vol.6, no.3 July 1974—)
Coden: SIGNDM
SIGACT News Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGART Newsl. (USA) (no.70 Feb. 1980—)
Coden: SINEDU ISSN 0163-5719
SIGART Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGBIO Newsl. (USA) (vol.4, no.2 Nov. 1979—)
Coden: SINWDG
SIGBIO Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGCAPH Newsl. (USA) (no.26 Spring 1980—)
Coden: SGNWD2 ISSN 0163-5727
SIGCAPH Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGCHI Bull. (USA) (vol.14, no.1 July 1982—)
Coden: SGBUD4 ISSN 0736-6906
SIGCHI Bulletin Formerly: SIGSOC Bull. (USA)
Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†SIGCSE Bull. (USA) (vol.12, no.1 Feb. 1980—)
Coden: SIGSD3
SIGCSE Bulletin Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGCUE Bull. (USA) (vol.11, no.2 April 1977—)
Coden: SIGBDK
SIGCUE Bulletin Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGDA Newsl. (USA) (vol.10, no.2 Aug. 1980—)
Coden: SIGDDQ
SIGDA Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGIR Forum (USA) (vol.15, no.1 Summer 1980—)
Coden: FASRDV
SIGIR Forum Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGMAP Bull. (USA) (no.29 April 1980—)
Coden: SIBUDI
SIGMAP Bulletin Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGMICRO Newsl. (USA) (vol.10, no.3 Sept. 1979—)
Coden: SIGMDJ
SIGMICRO Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGMOD Rec. (USA) (vol.11, no.1 Jan. 1981—)
Coden: SRECD8
SIGMOD Record Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Signal & Draht (Germany) (vol.61, no.3 March 1969—)
Coden: SIGDAN ISSN 0037-4997
Signal und Draht Dr. Arthur Tetzlaff-Verlag, 6000 Frankfurt (Main) 1, Niddastrasse 64, Germany

Signal & Schiene (Germany) (vol.13, no.1 Jan. 1969—)
Coden: SIGSAY ISSN 0037-5004
Signal und Schiene 108 Berlin, Franzosische Strasse 13/14, Germany

Signal (USA) (vol.25, no.12 Aug. 1971—)
Coden: SGNAAZ ISSN 0037-4938
Signal Armed Forces Communications and Electronics Association, Skyline Center, 5205 Leesburg Pike, Falls Church, Va 22041, USA

†Signal Process. (Netherlands) (vol.1, no.1 Jan. 1979—)
Coden: SPRODR ISSN 0165-1684
Signal Processing North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

SIGNUM Newsl. (USA) (vol.9, no.1 Jan. 1974—)
Coden: SNEWD6 ISSN 0163-5778
SIGNUM Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGPC Not. (USA) (vol.4, no.1-2 Spring-Summer 1981—)
Coden: SPCNDH
SIGPC Notes Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†SIGPLAN Not. (USA) (vol.9, no.7 July 1974—)
Coden: SINODQ ISSN 0362-1340
SIGPLAN Notices Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGSAM Bull. (USA) (vol.14, no.2 May 1980—)
Coden: SIGSBZ ISSN 0163-5824
SIGSAM Bulletin Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGSMALL Newsl. (USA) (vol.7, no.1 Feb. 1981—)
Coden: SNSLD9 ISSN 0272-720X
SIGSMALL Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGSOC Bull. (USA) (vol.11, no.3-4 Jan. 1980—)
Coden: SGBLDB
SIGSOC Bulletin Title changed to: SIGCHI Bull. (USA)

SIGSOFT Software Eng. Not. (USA) (vol.5, no.3 July 1980—)
Coden: SFENDP ISSN 0163-5948
SIGSOFT Software Engineering Notes Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGUCC Newsl. (USA) (vol.10, no.2 Summer 1980—)
ISSN 0163-5832
SIGUCC Newsletter Title changed to: SIGUCCS Newsl. (USA)

SIGUCCS Newsl. (USA) (vol.11, no.4 Winter 1981—)
Coden: SSNRD3 ISSN 0736-6892
SIGUCCS Newsletter Formerly: SIGUCC Newsl. (USA)
Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Silikaty (Czechoslovakia) (vol.18, no.1 1974—)
Coden: SIKTAN ISSN 0037-5241
Silikaty Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Simon Stevin (Belgium) (1968—)
Coden: SSWNAX ISSN 0037-5454
Simon Stevin De Natuur-en Geneeskundige Vennootschap, Krijgslaan 271, B-9000 Gent, Belgium

SIMULA Newsl. (Norway) (vol.12, no.3 Aug. 1984—)
SIMULA Newsletter Norwegian Computing Center, P.O.Box 335, Blindern, Oslo 3, Norway

Simulation & Games (USA) (vol.1, no.1 March 1970—)
Coden: SMUGAS ISSN 0037-5500
Simulation & Games Sage Publications, 275 South Beverly Drive, Beverly Hills, CA 90212, USA

†Simulation (USA) (1968—)
Coden: SIMUA2 ISSN 0037-5497
Simulation Simulation Councils Inc., P.O. Box 2228, La Jolla, CA 92037, USA

Simuletter (USA) (vol.12, no.1-4 1981—)
Coden: SIMUD5 ISSN 0197-5765
Simuletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIN Newsl. (Switzerland) (no.12 Dec. 1979—)
Coden: SINLDH ISSN 0254-783X
SIN Newsletter Schweizerisches Institut fur Nuklearforschung, 5234 Villigen, Switzerland

Sinclair User (GB) (no.27 June 1984—)
Coden: SIUSE6 ISSN 0262-5458
Sinclair User ECC Publications Ltd., 196-200 Balls Pond Road, London N1 4AQ, England

Singapore Natl. Acad. Sci. J.
See: J. Singapore Natl. Acad. Sci.

Sist. & Autom. (Italy) (vol.24, no.181 April 1978—)
Coden: SSAUBD ISSN 0037-5896
Sistemi e Automazione Editrice E.S.T.E., Edizioni Scientifiche Tecniche Europee S.p.A., 20127 Milano, Via S.A. Sauli 3, Italy

Sist. Avtom. Nauchn. Issled. (USSR) (no.4 1980—)
Coden: SIISDD ISSN 0135-132X
Sistemy Avtomatisatsii Nauchnykh Issledovanii Izdatel'stvo 'Zinatne', Riga, USSR

Sitzungsber. Oesterr. Akad. Wiss. Math.-Naturwiss. Kl. Abt. II (Austria) (vol.191, no.8-9 1982—)
Coden: SOAWES ISSN 0723-9319
Sitzungsberichte. Osterreichische Akademie der Wissenschaften, Mathematisch-Naturwissenschaftliche Klasse, Abteilung II (Mathematische, Physikalische und Technische Wissenschaften) Formerly: Sitzungsber. Oesterr. Akad. Wiss. Math.-Naturwiss. Kl. Abt. II (Austria)
Dr.-Ignaz-Seipel-Platz 2, A-1010 Wien. Publication address: Springer-Verlag KG, Molkerbastei 5, A-1010 Wien, Austria

Sitzungsber. Oesterr. Akad. Wiss. Math.-Naturwiss. Kl. Abt. II (Austria) (1968—)
Coden: SOAMAS ISSN 0029-8816
Sitzungsberichte. Osterreichische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Abteilung II (Mathematik, Astronomie, Physik, Meteorologie und Technik) Title changed to: Sitzungsber. Oesterr. Akad. Wiss. Math.-Naturwiss. Kl. Abt. II (Austria)

Skoda Rev. (Czechoslovakia) (no.3 1971—)
Coden: SKORAH ISSN 0374-4523
Skoda Review Ul. 28. rijna 13, Praha 1, Czechoslovakia

Skr. Nor. Vidensk.-Akad. Oslo I (Norway) (1968—)
Coden: SUNVAQ ISSN 0029-2338
Skrifter utgitt av det Norske Videnskaps-Akademi i Oslo. I. Mathematisk-Naturvidenskaplige Klasse Faculty of Mathematics and Science, University of Oslo, Blindern per Oslo, Norway

Sky & Telesc. (USA) (vol.39, no.1 Jan. 1970—)
Coden: SKTEA3 ISSN 0037-6604
Sky and Telescope Sky Publishing Corp., 49-50-51 Bay State Road, Cambridge, MA 02138, USA

†Slaboproudy Obz. (Czechoslovakia) (1968—)
Coden: SLOZAE ISSN 0037-668X
Slaboproudy Obzor SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Sloan Manage. Rev. (USA) (vol.24, no.4 Summer 1983—)
Coden: SMRVAO ISSN 0019-848X
Sloan Management Review Sloan Management Revie Association, Alfred P. Sloan School of Management, Massachusetts Institute of Technology, 50 Memorial Drive, Cambridge, MA 02139, USA

Slovak Acad. Sci. Geophys. Inst. Contrib. Ser. Meteorol.
See: Contrib. Geophys. Inst. Slovak Acad. Sci. Ser. Meteorol. (Czechoslovakia)

Small Bus. Comput. (USA) (vol.6, no.6 Nov.-Dec. 1982—)
Coden: SBCODO ISSN 0733-1703
Small Business Computers P.O.Box 633, Holmes, PA 19043, USA

Small Bus. Comput. News (USA) (vol.9, no.9 Sept. 1982—)
Coden: SBCNDL ISSN 0736-6957
Small Business Computer News Management Information Corp., 140 Barclay Center, Cherry Hill, NJ 08034, USA

Small Comput. Libr. (USA) (vol.4, no.1 Jan. 1984—)
Coden: SCLIDO ISSN 0275-6722
Small Computers in Libraries Graduate Library School, University of Arizona, 1515 E. First Street, Tucson, AZ 85721, USA

Small Syst. Software (GB) (vol.1, no.1 1976—)
Coden: SSSODJ
Small Systems Software Title changed to: Mini-Micro Software (GB)

Small Syst. World (USA) (vol.8, no.6 Dec. 1980—)
Coden: SSWOD5 ISSN 0272-5444
Small Systems World Small Systems World Publishing Inc., 53 West Jackson Boulevard, Chicago, IL 60604, USA

SMPTE J. (USA) (vol.85, no.1 Jan. 1976—)
Coden: SMPJDF ISSN 0036-1682
SMPTE Journal Formerly: J. Soc. Motion Pict. & Telev. Eng. (USA)
Society of Motion Picture and Television Engineers, 868 Scarsdale Avenue, Scarsdale, NY 10583, USA

Soc. Adv. Electrochem. Sci. & Technol. Trans.
See: Trans. SAEST (India)
Soc. Environ. Eng. J.
See: J. Soc. Environ. Eng. (GB)
Soc. Ind. & Appl. Math. J. Anal.
See: SIAM J. Math. Anal. (USA)
Soc. Ind. & Appl. Math. J. Appl. Math.
See: SIAM J. Appl. Math. (USA)
Soc. Ind. & Appl. Math. J. Comput.
See: SIAM J. Comput. (USA)
Soc. Ind. & Appl. Math. J. Control & Optimiz.
See: SIAM J. Control & Optimiz. (USA)
Soc. Ind. & Appl. Math. J. Numer. Anal.
See: SIAM J. Numer. Anal. (USA)
Soc. Inf. Disp. Proc.
See: Proc. S.I.D. (USA)
Soc. Instrum. & Control Eng. Trans.
See: Trans. Soc. Instrum. & Control Eng. (Japan)
Soc. Instrum. & Control Eng. J.
See: J. Soc. Instrum. & Control Eng. (Japan)
Soc. Mater. Sci. Jpn. J.
See: J. Soc. Mater. Sci. Jpn. (Japan)
Soc. Motion Pict. & Telev. Eng. J.
See: SMPTE J. (USA)
Soc. R. Sci. Liege Bull.
See: Bull. Soc. R. Sci. Liege (Belgium)

Soc. Sci. Inf. Stud. (GB) (vol.1, no.3 April 1981—)
Coden: SOSSD3 ISSN 0143-6236
Social Science Information Studies Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Sofia Univ. Fac. Phys., Annu.
See: Annu. Univ. Sofia Fac. Phys. (Bulgaria)

SoftSide (USA) (vol.5, no.3 Dec. 1981—)
Coden: SOFSD6 ISSN 0274-8630
SoftSide SoftSide Publications, 6 South Street, Milford, NH 03055, USA

†**Software & Microsyst. (GB)** (vol.1, no.1 Oct. 1981—)
Coden: SMICDR ISSN 0261-3182
Software & Microsystems Institution of Electrical Engineers, P.O.Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Software (GB) (Feb. 1984—)
Coden: SOFWEJ
Software Business Press International Ltd., Electrical Electronic Press, Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Software Prot. (USA) (vol.3, no.3 Aug. 1984—)
ISSN 0733-1274
Software Protection Law & Technology Press, 1112 Ocean Drive, Suite 201, Manhattan Beach, CA 90266, USA

Software Rev. (USA) (vol.2, no.2 June 1983—)
Coden: SSORD8 ISSN 0278-2634
Software Review Title changed to: Libr. Software Rev. (USA)

Software World (GB) (vol.1, no.4 Summer 1970—)
Coden: SOFWBG ISSN 0038-0652
Software World A.P. Publications Ltd., 322 St. John Street, London, EC1V 4QH, England

†**Software-Pract. & Exper. (GB)** (vol.1, no.1 Jan.-March 1971—)
Coden: SPEXBL ISSN 0038-0644
Software - Practice and Experience John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Soil Dyn. & Earthquake Eng. (GB) (vol.3, no.3 July 1984—)
Coden: SDEEEJ ISSN 0261-7277
Soil Dynamics and Earthquake Engineering Formerly: Int. J. Soil Dyn. & Earthquake Eng. (GB)
CML Publications, Ashurst Lodge, Ashurst, Southampton SO4 2AA, England

Sol. Age (USA) (vol.5, no.10 Oct. 1980—)
Coden: SOAGDD ISSN 0160-8401
Solar Age SolarVision Inc., Church Hill, Harrisville, NH 03450, USA

†**Sol. Cells (Switzerland)** (vol.1, no.1 Nov. 1979—)
Coden: SOCLD4 ISSN 0379-6787
Solar Cells Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

†**Sol. Energy (USA)** (1968—)
Coden: SRENA4 ISSN 0038-092X
Solar Energy Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

†**Sol. Energy Mater. (Netherlands)** (vol.1, no.1-2 Feb. 1979—)
Coden: SOEMDH ISSN 0165-1633
Solar Energy Materials North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Sol. Phys. (Netherlands)** (1968—)
Coden: SLPHAX ISSN 0038-0938
Solar Physics D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

†**Sol. Syst. Res. (USA)** (vol.6, no.1 Jan.-March 1972—)
Coden: SSYRAL ISSN 0038-0946
Solar System Research [Translation of: *Astron. Vestn. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Sol. Terr. Environ. Res. Jpn. (Japan) (vol.1 1 Dec. 1977—)
Coden: SERJD3 ISSN 0386-5444
Solar Terrestrial Environmental Research in Japan Formerly: Rep. Ionos. & Space Res. Jpn. (Japan)
Institute of Space and Aeronautical Science, University of Tokyo, 4-6-1, Komaba, Meguro-ku, Tokyo 153, Japan

†**Solid State Commun. (USA)** (1968—)
Coden: SSCOA4 ISSN 0038-1098
Solid State Communications Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA. Supplement to J. Phys. Chem. Solids (GB)

Solid State Ionics (Netherlands) (vol.1, no.1-2 April 1980—)
Coden: SSIOD3 ISSN 0167-2738
Solid State Ionics North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Solid State Phys. (Japan) (vol.4, no.11 Nov. 1969—)
Coden: KOTBA2 ISSN 0454-4544
Solid State Physics Agne Gijutsu Center, Kitamura Bldg., 5-1-25, Minamiayama, Minatoku, Tokyo, Japan

Solid State Technol. (USA) (1968—)
Coden: SSTEAP ISSN 0038-111X
Solid State Technology Formerly: Semicond. Prod. & Solid State Technol. (USA)
Cowan Publishing Co., 14 Vanderventer Avenue, Port Washington, Long Island, NY 11050, USA

†**Solid-State Electron. (GB)** (1968—)
Coden: SSELA5 ISSN 0038-1101
Solid-State Electronics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Souder (France) (1968—)
Coden: SOUDAX ISSN 0038-173X
Souder Editions GEAD, 79 Rue du Faubourg Poissonniere, 75009 Paris, France

Sound & Vib. (USA) (vol.5, no.6 June 1971—)
Coden: SOVIAJ ISSN 0038-1810
Sound and Vibration Acoustical Publications Inc., 27101 East Oviatt Road, Bay Village, OH 44140, USA

Sound Can. (Canada) (vol.19, no.12 Dec. 1982—)
Coden: SOCAD5 ISSN 0383-6908
Sound Canada Formerly: Audio Video Can. (Canada)
Chimo Media, 7240 Woodbine Avenue, Markham, Ont. L3R 1A4, Canada

Sov. Aeronaut. (USA) (vol.16, no.1 1973—)
Coden: SOAEA4 ISSN 0038-5255
Soviet Aeronautics [Translation of: *Izv. VUZ Aviats. Tekh. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Sov. Appl. Mech. (USA) (vol.7, no.1 Jan. 1971—)
Coden: SOAMBT ISSN 0038-5298
Soviet Applied Mechanics [Translation of: *Prikl. Mekh. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†**Sov. Astron. (USA)** (1968—)
Coden: SAAJAN ISSN 0038-5301
Soviet Astronomy [Translation of: *Astron. Zh. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Astron. Lett. (USA) (vol.1, no.6 Nov.-Dec. 1975—)
Coden: SALEDW ISSN 0360-0327
Soviet Astronomy Letters [Translation of: *Pis'ma v Astron. Zh. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**Sov. At. Energy (USA)** (vol.32, no.1 Jan. 1972—)
Coden: SATEAZ ISSN 0038-531X
Soviet Atomic Energy [Translation of: *At. Energ. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†**Sov. Autom. Control (USA)** (no.5 Sept.-Oct. 1969—)
Coden: SAUCBZ ISSN 0038-5328
Soviet Automatic Control [Translation of: *Avtomatika (USSR)*] Scripta Publishing Co., 7961 Eastern Avenue, Silver Spring, MD 20910, USA

†**Sov. Electr. Eng. (USA)** (vol.46, no.1 1975—)
Coden: SOEEAO ISSN 0038-5379
Soviet Electrical Engineering [Translation of: *Elektrotekhnika (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Sov. Electrochem. (USA) (vol.7, no.1 Jan. 1971—)
Coden: SOECAI ISSN 0038-5387
Soviet Electrochemistry [Translation of: *Elektrokhimiya (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, England

Sov. Eng. Res. (GB) (vol.1, no.1 1981—)
Coden: SORSDW ISSN 0144-6622
Soviet Engineering Research Production Engineering Research Association, Melton Mowbray, Leics, England. Combined selective translation of Vestn. Mash. (USSR) and Stanki & Instrum. (USSR). Formed by merger of Mach. & Tool. (GB) and Russ. Eng. J. (GB)

Sov. Geol. & Geophys. (USA) (vol.19, no.7 1978—)
Coden: SGGEDF ISSN 0361-7149
Soviet Geology and Geophysics [Translation of: *Geol. & Geofiz. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Sov. J. Chem. Phys. (GB) (vol.1, no.10 1984—)
Coden: SJCPDF ISSN 0733-2831
Soviet Journal of Chemical Physics [Translation of: *Khim. Fiz. (USSR)*] Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Sov. J. Glass Phys. & Chem. (USA) (vol.1, no.1 Jan.-Feb. 1975—)
Coden: SJGCDU ISSN 0360-5043
Soviet Journal of Glass Physics and Chemistry [Translation of: *Fiz. & Khim. Stekla (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Sov. J. Low Temp. Phys. (USA) (vol.1, no.9 Sept. 1975—)
Coden: SJLPDQ ISSN 0360-0335
Soviet Journal of Low Temperature Physics [Translation of: *Fiz. Nizk. Temp. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. J. Nondestr. Test. (USA) (vol.9, no.1 Jan.-Feb. 1973—)
Coden: SJNTAB ISSN 0038-5492
Soviet Journal of Nondestructive Testing [Translation of: *Defektoskopiya (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†**Sov. J. Nucl. Phys. (USA)** (1968—)
Coden: SJNCAS ISSN 0038-5506
Soviet Journal of Nuclear Physics [Translation of: *Yad. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**Sov. J. Opt. Technol. (USA)** (1968—)
Coden: SJOTBH ISSN 0038-5514
Soviet Journal of Optical Technology [Translation of: *Opt.-Mekh. Prom.-st. (USSR)*] Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**Sov. J. Part. & Nucl. (USA)** (vol.3, no.3 Jan.-March 1973—)
Coden: SJPNA3 ISSN 0090-4759
Soviet Journal of Particles and Nuclei [Translation of: *Fiz. Elem. Chastits & At. Yadra (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**Sov. J. Plasma Phys. (USA)** (vol.1, no.4 July-Aug. 1975—)
Coden: SJPPDC ISSN 0360-0343
Soviet Journal of Plasma Physics [Translation of: *Fiz. Plazmy (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. J. Quantum Electron. (USA) (vol.1, no.1 July-Aug. 1971—)
Coden: SJQEAF ISSN 0049-1748
Soviet Journal of Quantum Electronics [Translation of: *Kvantovaya Elektron., Moskva (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. J. Remote Sensing (Switzerland) (vol.2, no.3 1984—)
Coden: SJSEDS ISSN 0275-911X
Soviet Journal of Remote Sensing [Translation of: *Issled. Zemli iz Kosmosa (USSR)*] Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

Sov. Mater. Sci. (USA) (vol.4, no.1 Jan.-Feb. 1968—)
Coden: SOMSA4 ISSN 0038-5565
Soviet Materials Science [Translation of: *Fiz.-Khim. Mekh. Mater. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Sov. Math. (USA) (vol.18, no.1 1974—)
Coden: SOMADL ISSN 0038-5573
Soviet Mathematics [Translation of: *Izv. VUZ Mat. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Sov. Meteorol. & Hydrol. (USA) (no.1 1976—)
Coden: SMHYDK
Soviet Meteorology and Hydrology [Translation of: *Meteorol. & Gidrol. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

†Sov. Microelectron. (USA) (vol.5, no.3 May-June 1976—)
Coden: SOMIDB ISSN 0363-8529
Soviet Microelectronics [Translation of: *Mikroelektronika (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†Sov. Phys. J. (USA) (no.6 Nov.-Dec. 1965—)
Coden: SOPJAQ ISSN 0038-5697
Soviet Physics Journal [Translation of: *Izv. VUZ Fiz. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†Sov. Phys.-Acoust. (USA) (1968—)
Coden: SOPAAX ISSN 0038-562X
Soviet Physics-Acoustics [Translation of: *Akust. Zh. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Phys.-Collect. (USA) (vol.14, no.1 1974—)
Coden: SPCODK ISSN 0363-7891
Soviet Physics-Collection [Translation of: *Litov. Fiz. Sb. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

†Sov. Phys.-Crystallogr. (USA) (1968—)
Coden: SPHCA6 ISSN 0038-5638
Soviet Physics-Crystallography [Translation of: *Kristallografiya (USSR)*] Published by the American Institute of Physics with the cooperation of the American Crystallographic Association. Subscription address; American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. Phys.-Dokl. (USA) (1968—)
Coden: SPHDA9 ISSN 0038-5689
Soviet Physics-Doklady [Translation of: *Dokl. Akad. Nauk SSSR*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. Phys.-JETP (USA) (1968—)
Coden: SPHJAR ISSN 0038-5646
Soviet Physics-JETP [Translation of: *Zh. Eksp. & Teor. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Phys.-Lebedev Inst. Rep. (USA) (no.1 1974—)
Coden: SPLRD6 ISSN 0364-2321
Soviet Physics - Lebedev Institute Reports [Translation of: *Sb. Kratk. Soobshch. Fiz. AN SSSR Fiz. Inst. P.N. Lebedeva*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

†Sov. Phys.-Semicond. (USA) (1968—)
Coden: SPSEAX ISSN 0038-5700
Soviet Physics-Semiconductors [Translation of: *Fiz. & Tekh. Poluprovodn. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. Phys.-Solid State (USA) (1968—)
Coden: SPSSA7 ISSN 0038-5654
Soviet Physics-Solid State [Translation of: *Fiz. Tverd. Tela (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. Phys.-Tech. Phys. (USA) (1968—)
Coden: SPTPA3 ISSN 0038-5662
Soviet Physics-Technical Physics [Translation of: *Zh. Tekh. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Phys.-Usp. (USA) (1968—)
Coden: SOPUAP ISSN 0038-5670
Soviet Physics-Uspekhi [Translation of: *Usp. Fiz. Nauk (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Powder Metall. & Met. Ceram. (USA) (vol.11, no.1 Jan. 1972—)
Coden: SPMCAV ISSN 0038-5735
Soviet Powder Metallurgy and Metal Ceramics [Translation of: *Poroshk. Metall. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Sov. Power Eng. (USA) (vol.8, no.4 April 1979—)
Coden: SVPEAQ ISSN 0049-1756
Soviet Power Engineering [Translation of: *Elektr. Stantsii (USSR)*] Ralph McElroy Co. Inc., 2102 Rio Grande, Austin, TX 78712, USA

†Sov. Tech. Phys. Lett. (USA) (vol.1, no.9 Sept. 1975—)
Coden: STPLD2 ISSN 0360-120X
Soviet Technical Physics Letters [Translation of: *Pis'ma v Zh. Tekh. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Space Commun. & Broadcast. (Netherlands) (vol.1, no.1 April 1983—)
Coden: SCBRDZ ISSN 0167-9368
Space Communication and Broadcasting North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Space Life Sci. (Netherlands) (vol.2, no.1 May 1970—)
Coden: SPLSA6
Space Life Sciences Title changed to: Origins of Life (Netherlands)

Space Sci. Rev. (Netherlands) (1968—)
Coden: SPSRA4 ISSN 0038-6308
Space Science Reviews D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Space Sol. Power Rev. (GB) (vol.2, no.1-2 1981—)
Coden: SSPRDD ISSN 0191-9067
Space Solar Power Review Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

SPE J. (USA) (vol.28, no.1 Jan. 1972—)
Coden: SPEJAC
SPE Journal Title changed to: Plast. Eng. (USA)

Spec. Collect. (USA) (vol.1, no.3-4 Spring-Summer 1982—)
Coden: SCOLDE ISSN 0270-3157
Special Collections Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Spec. Libr. (USA) (vol.62, no.7-8 July-Aug. 1971—)
Coden: SPLBAN ISSN 0038-6723
Special Libraries Special Libraries Association, 235 Park Avenue South, New York, NY 10003, USA

Spectrochim. Acta Part A (GB) (1968—)
Coden: SAMCAS ISSN 0584-8539
Spectrochimica Acta. Part A, Molecular Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Spectrochim. Acta Part B (GB) (1968—)
Coden: SAASBH ISSN 0584-8547
Spectrochimica Acta. Part B, Atomic Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Spectrosc. Lett. (USA) (vol.2, no.9 Sept. 1969—)
Coden: SPLEBX ISSN 0038-7010
Spectroscopy Letters Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Spectrosc. Soc. Jpn. J.
See: J. Spectrosc. Soc. Jpn. (Japan)

Speculations Sci. & Technol. (GB) (vol.7, no.1 1984—)
Coden: SPSTDD ISSN 0155-7785
Speculations in Science and Technology Formerly: Speculations Sci. & Technol. (Switzerland)
Science and Technology Letters, 12 Clarence Road, Kew, Surrey TW9 3NL, England

Speculations Sci. & Technol. (Switzerland) (vol.2, no.1 April 1979—)
Coden: SPSTDD ISSN 0155-7785
Speculations in Science and Technology Title changed to: Speculations Sci. & Technol. (GB)

Speech Commun. (Netherlands) (vol.1, no.1 May 1982—)
Coden: SCOMDH ISSN 0167-6393
Speech Communication North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†Speech Technol. (USA) (vol.1, no.1 Fall 1981—)
Coden: SPETDB ISSN 0744-1355
Speech Technology Media Dimensions Inc., 525 East 82nd Street, New York, NY 10028, USA

Sprache & Datenverarb. (Germany) (no.2 1977—)
Coden: SPDADH ISSN 0343-5202
Sprache und Datenverarbeitung Max Niemeyer Verlag, D-7400 Tubingen, Postfach 2140, Germany

Sprecher News (Switzerland) (no.1 1979—)
Coden: SPNWDV
Sprecher News Sprecher & Schuh AG, Redaktion Neues von Sprecher, CH-5000 Zurich, Switzerland

SRBE-KBVE (Belgium) (vol.97, no.1 1981—)
Coden: BREEDV ISSN 0770-0024
SRBE-KBVE (Societe Royale Belge des Electriciens-Koninklijke Belgische Vereniging der Electrotechnici) Place du Trone 1, B-1000 Bruxelles, Belgium. Formed by merger of Bull. Soc. R. Belge Electr. (Belgium) and Rev. E (Belgium)

Stahl & Eisen (Germany) (vol.9, no.1 Jan. 1984—)
Coden: SEZBAG ISSN 0340-4803
Stahl und Eisen Verlag Stahleisen mbH, Postfach 82 29, Breite Strasse 27, D-4000 Dusseldorf 1, Germany

Stanki & Instrum. (USSR) (vol.40, no.4 1969—)
Coden: STINA4
Stanki i Instrument Mashinostroenie, ul. 25 Oktyabrya, d. 10, Moskva, K-12, USSR. Translation of selected articles appear in Sov. Eng. Res. (GB)

Statistician (GB) (vol.22, no.1 March 1973—)
Coden: STTNAP ISSN 0039-0526
Statistician (Journal of the Institute of Statisticians) Longman Group Ltd., 6th Floor, Westgate House, The High, Harlow, Essex CM20 1NE, England

Steam & Heat. Eng. (GB) (vol.11, no.447 Feb. 1969—)
Coden: STHEA6
Steam and Heating Engineer Title changed to: Heat. & Air Cond. J. (GB)

Steklo & Keram. (USSR) (vol.26, no.9 Sept. 1969—)
Coden: STKRAQ ISSN 0131-9582
Steklo i Keramika Kusnetskii Most, d. 20, Moskva, K-31, USSR [English translation in: *Glass & Ceram. (USA)*]

Steuerungstechnik (Germany) (vol.3, no.9 Sept. 1970—)
Coden: STEUA5
Steuerungstechnik Title changed to: Und-oder-Nor & Steuerungstech. (Germany)

Stochastic Processes & Appl. (Netherlands) (vol.1, no.1 Jan. 1973—)
Coden: STOPB7 ISSN 0304-4149
Stochastic Processes & their Applications North-Holland Publishing Co., Journal Division, P.O. Box 211, 1000 AE Amsterdam, Netherlands

Stochastics (GB) (vol.1, no.1 1973—)
Coden: STOCB2 ISSN 0090-9491
Stochastics Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Storage-Handl.-Distrib.
See: SHD Storage-Handl.-Distrib. (GB)

Strain (GB) (1968—)
Coden: STRABB ISSN 0039-2103
Strain British Society for Strain Measurement, 281 Heaton Road, Newcastle upo Tyne, NE6 5QB, England

Strength Mater. (USA) (vol.4, no.1 Jan. 1972—)
Coden: SMTLB5 ISSN 0039-2316
Strength of Materials [Translation of: *Probl. Prochn. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Strolling Astron.
See: J. Assoc. Lunar & Planet. Obs. Strolling Astron. (USA)

Stompraxis (Germany) (no.1 1974—)
Coden: STPXB2 ISSN 0340-7519
Stompraxis Formerly: Elektrizitaet (Germany)
Verlags- und Wirtschaftsgesellschaft der Elektrizitatswerke mbH-VWEW, 6000 Frankfurt (Main) 70, Stresemannallee 23, Germany

Stud. & Cercet. Calc. Econ. & Cibern. Econ. (Rumania) (no.1 1975—)
Coden: SCCEDZ ISSN 0585-7511
Studii si Cercetari de Calcul Economic si Cibernetica Economica Catedra de Cibernetica Economica, Academia de Studii Economice, Bucuresti, Rumania

Stud. & Cercet. Doc. (Rumania) (vol.13, no.1 1971—)
Coden: SDBIAC ISSN 0039-3916
Studii si Cercetari de Documentare Centrul de Informare si Documentare al Invatamintului, Str. Gutenberg Nr. 6 bis, Sector 6, Bucuresti, Rumania

Stud. & Cercet. Fiz. (Rumania) (1968—)
Coden: SCEFAB ISSN 0039-3940
Studii si Cercetari de Fizica Academia Republicii Populare Romine. P.O. Box 134-5, Calca Victoriei 126, Bucuresti, Rumania

Stud. & Cercet. Geol. Geofiz. Geogr. Ser. Geofiz. (Rumania) (vol.2, no.2 1973—)
Coden: SCGGBP ISSN 0378-6021
Studii si Cercetari de Geologie, Geofizica, Geografie. Seria Geofizica Subscription address: Rompresfilatelia, Boite Postale 2001, Bucuresti, Rumania

Stud. Appl. Math. (USA) (vol.48, no.1 March 1969—)
Coden: SAPMB6 ISSN 0022-2526
Studies in Applied Mathematics American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Stud. Geophys. & Geod. (Czechoslovakia) (vol.28, no.1 1984—)
Coden: SGEGA8
Studia Geophysica et Geodaetica Publishing House Academia, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Stud. Hist. & Philos. Sci. (GB) (vol.9, no.1 March 1978—)
Coden: SHPSB5 ISSN 0039-3681
Studies in History and Philosophy of Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Stud. J. Inst. Electron. & Telecommun. Eng. (India) (vol.17, no.1 Jan. 1976—)
Coden: SJIEDC ISSN 0375-9032
Students' Journal of the Institution of Electronics & Telecommunication Engineers Plot no. 2, Insitutional Area, Lodi Road, New Delhi 110 003, India

Sulzer Tech. Rev. (Switzerland) (vol.51, no.2 1969—)
Coden: SZTRAB ISSN 0039-4912
Sulzer Technical Review Sulzer Brothers Ltd., Winterthur, Switzerland

Sumitomo Electr. Tech. Rev. (Japan) (Jan. 1980—)
Coden: SETRAY ISSN 0376-1207
Sumitomo Electric Technical Review Sumitomo Electric Industries Ltd., 15 Kitahama 5-chome, Higashi-ku, Osaka 541, Japan

Sumitomo Search (Japan) (no.10 Nov. 1973—)
Coden: SUSEAY ISSN 0585-9131
Sumitomo Search Sumitomo Metal Industries Ltd., 15 Kitahama 5-chome, Higasgh-ku, Osaka 541, Japan

Surf. & Interface Anal. (GB) (vol.1, no.1 Feb. 1979—)
Coden: SIANDQ ISSN 0142-2421
Surface and Interface Analysis Wiley Heyden Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Surf. Sci. (Netherlands) (1968—)
Coden: SUSCAS ISSN 0039-6028
Surface Science North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Surf. Sci. Rep. (Netherlands) (vol.1, no.1 June 1981—)
Coden: SSREDI ISSN 0167-5729
Surface Science Reports North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Surf. Technol. (Switzerland) (vol.4, no.1 Jan. 1976—)
Coden: SUTED8 ISSN 0376-4583
Surface Technology Formerly: Electrodeposition & Surf. Treat. (Switzerland)
Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

Surv. Bus. Univ. Tennessee (USA) (vol.19, no.1 Summer 1983—)
Coden: SUBUDY ISSN 0099-0973
Survey of Business, University of Tennessee College of Business Administration, Center for Business and Economic Research, University of Tennessee, Knoxville, TN 37916, USA

Surv. High Energy Phys. (Switzerland) (vol.1, no.1 1980—)
Coden: SHEPDB ISSN 0142-2413
Surveys in High Energy Physics Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland. Harwood Academic Publishers GmbH, P.O.Box 786, Cooper Station, New York, NY 10003, USA

Svar. Proizvod. (USSR) (vol.15, no.2 Feb. 1968—)
Coden: SVAPAI ISSN 0491-6441
Svarochnoe Proizvodstvo Mashinostroenie, Moskva, I-110 GSP, Nrosnekt Mura, d. 106, USSR [English translation in: *Weld. Prod. (GB)*]

Sven. Kraftverksfoeren. Publ. (Sweden) (1968—)
Coden: SKFOAV ISSN 0039-6931
Svenska Kraftverksforeningens Publikationer Formerly: Sven. Vattenkraftfoeren. Publ. (Sweden)
Birger Jarlsgatan 41a, 111 45 Stockholm, Sweden

Sven. Kraftverksfoeren. Publ. Medd. (Sweden) (1968—)
Coden: SKFMBQ ISSN 0374-4485
Svenska Kraftverksforeningens Publikationer Meddelande Formerly: Sven. Vattenkraftfoeren. Publ. Medd. (Sweden)
Birger Jarlsgatan 41b, 111 45 Stockholm, Sweden

Sven. Vattenkraftfoeren. Publ. (Sweden) (1968—)
Coden: SVKPAY
Svenska Vattenkraftforeningens Publikationer Title changed to: Sven. Kraftverksfoeren. Publ. (Sweden)

Sven. Vattenkraftfoeren. Publ. Medd. (Sweden) (1968—)
Coden: SVPDAN
Svenska Vattenkraftforeningens Publikationer Meddelande Title changed to: Sven. Kraftverksfoeren. Publ. Medd. (Sweden)

Svetotekhnika (USSR) (1968—)
Coden: SVETAG ISSN 0039-7067
Svetotekhnika Agent: Mezhdunarodnaya Kniga, Moskva, USSR

Svetsaren (Sweden) (vol.6, no.1-2 1970—)
Coden: SVSEB8 ISSN 0341-4248
Svetsaren (English Edition) ESAB, Box 8850, S-402 71 Goteborg 8, Sweden

Synth. Met. (Switzerland) (vol.1, no.1 Oct. 1979—)
Coden: SYMEDZ ISSN 0379-6779
Synthetic Metals Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Sysdata (Switzerland) (vol.12, no.11 28 Sept. 1981—)
Coden: SYSDDS ISSN 0254-2226
Sysdata Verlag Binkert AG, 4335 Laufenburg, Postfach 32, Switzerland

Syst. & Control (Japan) (vol.15, no.1 Jan. 1971—)
Coden: SYCNA9 ISSN 0374-4507
Systems and Control Formerly: J. Jap. Assoc. Autom. Control Eng. (Japan)
Japan Association of Automatic Control Engineers, 14 Kawahara-cho, Yoshida, Sakyo-Ku-Kyoho 606, Japan

†Syst. & Control Lett. (Netherlands) (vol.1, no.3 Nov. 1981—)
Coden: SCLEDC ISSN 0167-6911
Systems & Control Letters North-Holland Publishing Co., P.O.Box 103, 1000 AC Amsterdam, Netherlands

Syst. Dev. (USA) (vol.4, no.2 April 1984—)
Coden: SYDEDO ISSN 0275-6617
System Development Applied Computer Research Inc., P.O.Box 9280, Phoenix, AZ 85068, USA

Syst. Inf. Manage. (S. Africa) (vol.10, no.11 Nov. 1980—)
Coden: SIMADD
Systems for Information Management Formerly: Systems (S. Africa) Title changed to: Systems (S. Africa)

Syst. Int. (GB) (vol.2, no.1 Jan. 1974—)
Coden: SYIND8 ISSN 0309-1171
Systems International IPC Electrical Electronic Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Syst. Logiques (Switzerland) (no.1 Nov. 1969—)
Coden: SYLGAX ISSN 0374-4493
Systemes Logiques Chaire de Systemes Logiques, Ecole Polytechnique Federale, 16 Chemin de Bellerive, ch-1007 Lausanne, Switzerland

Syst. Res. (GB) (vol.1, no.1 1984—)
Coden: SYREER ISSN 0731-7239
Systems Research Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Syst. Sci. (Poland) (vol.1, no.1 1975—)
Coden: SYSCDP ISSN 0137-1223
Systems Science Editorial address: Institute of Technical Cybernetics, Wroclaw Technical University, ul. Janiszewskiego 11/17, 50-372 Wroclaw, Poland

Syst. Tech. Rep. (Japan) (1983—)
Coden: STREEQ
Systems Technical Report Japan Univac Users Association, 2-17-51 Akasaka, Minato-ku, Tokyo 107, Japan

Syst. Technol. (GB) (no.5 Aug. 1968—)
Coden: SYTEAX ISSN 0039-8047
Systems Technology Plessey Co. Ltd., Ilford, Essex, England

Syst. User (USA) (vol.4, no.12 March 1984—)
Coden: SYUSDF ISSN 0199-8951
Systems User Caulfield Publishing Ltd., 60 South Main Street, Janesville, WI 53545, USA

†Syst., Objectives, Solutions (Netherlands) (vol.1, no.1 Jan. 1981—)
Coden: SOBSDK ISSN 0165-7747
Systems, Objectives, Solutions North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†Syst.-Comput.-Controls (USA) (vol.1, no.1 1970—)
Coden: SYCCBB ISSN 0096-8765
System-Computers-Controls Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA. English translation of selected articles from Trans. Inst. Electron. & Commun. Eng. A, B, C, D (Japan) and other primary Japanese periodicals

Systems (S. Africa) (vol.2, no.1 Jan.-Feb. 1972—)
Coden: SYSMBJ ISSN 0049-2795
Systems (Stelsels) Title changed to: Syst. Inf. Manage. (S. Africa)

Systems (S. Africa) (vol.11, no.8 Aug. 1981—)
Coden: SSTSD2 ISSN 0374-4531
Systems Formerly: Syst. Inf. Manage. (S. Africa)
Systems Publishers (Pty.) Ltd., Systems House (Northwards), 368 Jan Smuts Avenue, Craighall Park, Johannesburg, South Africa

Szamvitel & Uegyviteltech. (Hungary) (vol.21, no.10 Oct. 1979—)
Coden: SZUGDK ISSN 0039-808X
Szamvitel es Ugyviteltechnika Lapkiado Vallalat, 1073 Budapest, Lenin korut 9-11, Hungary

Szigma (Hungary) (vol.9, no.1-2 1976—)
Coden: SMKED9 ISSN 0039-8128
Szigma Akademiai Kiado, 1363 Budapest V, Alkotmany u. 21, Hungary

Szklo & Ceram. (Poland) (vol.19, no.12 1968—)
Coden: SZKCAN ISSN 0039-8144
Szklo i Ceramika Warszawa 1, Mokotowska 4/6, pok 40, Poland

T.H.E. J. (USA) (vol.9, no.1 Jan. 1982—)
Coden: THEJD4 ISSN 0192-592X
T.H.E. Journal (Technological Horizons in Education) Information Synergy Inc., 7 Spruce Street, Acton, MA 01720, USA

Takenaka Gijutsu Kenkyu Hokoku
See: Takenaka Tech. Res. Rep. (Japan)

Takenaka Tech. Res. Rep. (Japan) (no.6 30 June 1971—)
Coden: TGKHAI ISSN 0374-4663
Takenaka Technical Research Report Takenaka Komuten Co. Ltd., 27 4-chome, Hommachi, Higashi-ku, Osaka, Japan

Tanulmanyok Magy. Tud. Akad. Szamitastech. & Autom. Kut. Intez. (Hungary) (no.113 1980—)
Coden: TMTID9 ISSN 0324-2951
Tanulmanyok Magyar Tudomanyos Akademia Szamitastechnikai es Automatizalasi Kutato Intezet MTA Szamitastechnikai es Automatizulasi Kutato Intezet/ Computer and Automation Institute, Hungarian Academy of Sciences, 1502 Budapest, Kende u. 13-17, Pf. 63, Hungary

TE Int. (Italy) (vol.1, no.5 Nov.-Dec. 1977—)
Coden: TEITDX ISSN 0392-3460
TE International Issued with: *Tecnol. Elettr. (Italy)*

Tec. Ital. (Italy) (1968—)
Coden: TITLAL ISSN 0040-1846
Tecnica Italiana Via Matteotti 55, 34071 Cormons (Gorizia), Italy

Tec. Regul. & Mando Autom. (Spain) (vol.1, no.1 May-June 1968—)
Coden: TRAUBH
Tecnica de la Regulacion y Mando Automatico Title changed to: Regul. & Mando Autom. (Spain)

†Tech. & Sci. Inf. (France) (vol.1, no.1 1982—)
Coden: TTSIDJ ISSN 0752-4072
Technique et Science Informatiques Formerly: RAIRO Inf./Comput. Sci. (France)
AFCET, Division TTI, 156 Boulevard Pereire, 75017 Paris, France [English translation in: *Technol. & Sci. Inf. (GB)*]

Tech. CEM (France) (no.71 Dec. 1968—)
Coden: TQCEB6 ISSN 0040-1293
Techniques CEM Cie Electro-Mecanique, 37 rue du Rocher, Paris 8, France

Tech. Chron. (Greece) (1968—)
Coden: TECHAW ISSN 0040-4764
Technika Chronika Technical Chamber of Greece, Kolokotron Street, Athens, Greece

Tech. Dig. (USA) (no.20 Oct. 1970—)
Coden: TCHDAV ISSN 0497-0411
Technical Digest Western Electric Co., 555 Union Boulevard, Allentown, PA 18103, USA. Western Electric Co., Patent Organisation, Department 400, 555 Union Boulevard, Allentown, PA 18103

Tech. J. Jap. Broadcast. Corp. (Japan) (1968—)
Coden: NHKGAO
Technical Journal of Japan Broadcasting Corporation Title changed to: NHK Tech. J. (Japan)

Tech. Knih. (Czechoslovakia) (vol.16, no.1 1972—)
Coden: TEKNAM ISSN 0049-3171
Technicka Knihovna Editorial address: 113 57 Praha 1, Konviktska 5, Czechoslovakia

Tech. Mess. - ATM (Germany) (vol.43, no.4 April 1976—)
Coden: TMAMDS
Technisches Messen - ATM Formerly: Arch. Tech. Mess. & Messtech. Prax. (Germany) Title changed to: Tech. Mess. tm (Germany)

Tech. Mess. tm (Germany) (vol.46, no.1 Jan. 1979—)
Coden: TMTMDL ISSN 0171-8096
Technisches Messen tm Formerly: Tech. Mess. - ATM (Germany)
R. Oldenbourg Verlag GmbH, Rosenheimer Strasse 145, 8000 Munchen 80, Germany

Tech. Mitt. Krupp Forschungsber. (Germany) (1968—)
Coden: TMKFAK ISSN 0494-9382
Technische Mitteilungen Krupp Forschungsberichte Fachbucherei Krupp, Postfach 917, 43 Essen 1, Germany

Tech. Mitt. Krupp Werksber. (Germany) (vol.28, no.4 Dec. 1970—)
Coden: TMKWA3 ISSN 0494-9390
Technische Mitteilungen Krupp. Werksberichte Friedr. Krupp GmbH, 43 Essen, Postfach 917, Germany

†Tech. Mitt. PTT (Switzerland) (1968—)
Coden: TMPTAJ ISSN 0040-1471
Technische Mitteilungen PTT (Bulletin Technique PTT, Bollettino Tecnico PTT) Generaldirektion PTT, Viktoriastrasse 21, 3000 Bern 33, Switzerland

†Tech. Mitt. RFZ (Germany) (1968—)
Coden: TMRFAL ISSN 0040-1455
Technische Mitteilungen des Rundfunk-und Fernsehtechnischen Zentralamtes Agastrasse, Berlin-Aldershof, Germany

Tech. Mod. (France) (1968—)
Coden: TEMDA2 ISSN 0040-1250
La Technique Moderne 76 rue de Rivoli, 75004 Paris, France

Tech. Rep. Eng. Res. Inst. Kyoto Univ. (Japan) (1968—)
Coden: TREKA6
Technical Reports of the Engineering Research Institute of Kyoto University Title changed to: Tech. Rep. Inst. At. Energy Kyoto Univ. (Japan)

Tech. Rep. Inst. At. Energy Kyoto Univ. (Japan) (no.153 1971—)
Coden: TRAEB3 ISSN 0372-1043
Technical Reports of the Institute of Atomic Energy, Kyoto University Formerly: Tech. Rep. Eng. Res. Inst. Kyoto Univ. (Japan)
Kyoto, Japan

Tech. Rep. Kumamoto Univ. (Japan) (vol.32, no.1 March 1983—)
Coden: KUDKAP ISSN 0023-5296
Technical Reports of the Kumamoto University Faculty of Engineering, Kumamoto University, Kumamoto, Japan

Tech. Res. Cent. Finland Electr. & Nucl. Technol. Publ. (no.1 1973—)
Coden: ENCTAY ISSN 0355-3396
Technical Research Centre of Finland Electrical and Nuclear Technology Publication 00180 Helsinki 18, Lonnrotinkatu 37, Finland

Tech. Res. Cent. Finland Mater. & Process Technol. Publ. (no.1 1972—)
Coden: TFMPBC ISSN 0355-3388
Technical Research Centre of Finland Materials and Process Technology Publication 00180 Helsinki 18, Lonnrotinkatu 37, Finland

Tech. Serv. Q. (USA) (vol.1, no.1-2 Fall-Winter 1983—)
Coden: TSQUE5 ISSN 0731-7131
Technical Services Quarterly Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Technica (Switzerland) (1968—)
Coden: TCHNAR ISSN 0184-4067
Technica E. Birkhauser, CH-4010 Basel 10, Switzerland

Technion (Israel) (vol.5, no.1 Feb. 1969—)
Coden: TCNNAN ISSN 0040-1188
Technion Israel Institute of Technology, Technion City, Haifa, Israel

†Technol. & Sci. Inf. (GB) (vol.2, no.2 1983—)
Coden: TTSIEK ISSN 0264-7419
Technology and Science of Informatics [Translation of: *Tech. & Sci. Inf. (France)*] North Oxford Academic Publishing Co. Ltd., 242 Banbury Road, Oxford OX2 7DR, England

Technol. Forecast. & Soc. Change (USA) (vol.2, no.2 1970—)
Coden: TFSCB3 ISSN 0040-1625
Technological Forecasting and Social Change Formerly: Technol. Forecast. (USA)
Elsevier North Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Technol. Forecast. (USA) (vol.1, no.1 June 1969—)
Coden: TFORBS
Technological Forecasting Title changed to: Technol. Forecast. & Soc. Change (USA)

Technol. Horiz. Educ. J.
See: T.H.E. J. (USA)

Technol. News (GB) (Spring 1981—)
Coden: TCNEDX
Technological News Normalair-Garrett Ltd., Yeovil, Somerset BA20 2YD, England

Technol. Rep. Iwate Univ. (Japan) (vol.4 1969—)
Coden: TIWUAT ISSN 0085-2325
Technology Reports of the Iwate University Faculty of Engineering, Iwate University, Morioka, Japan

Technol. Rep. Kansai Univ. (Japan) (no.10 Feb. 1969—)
Coden: TRKUAW ISSN 0453-2198
Technology Reports of Kansai University Faculty of Engineering, Kansai University, Senriyama, Suita-City, Osaka, Japan

Technol. Rep. Kyushu Univ. (Japan) (vol.44, no.4 Aug. 1971—)
Coden: KDKSAX ISSN 0023-2718
Technology Reports of the Kyushu University Faculty of Engineering, Fukuoka, Japan

Technol. Rep. Osaka Univ. (Japan) (1968—)
Coden: TROUAI ISSN 0030-6177
Technology Reports of the Osaka University Faculty of Engineering, Osaka University, Yamada-Kami, Suita, Osaka 565, Japan

Technol. Rep. Seikei Univ. (Japan) (no.5 1967—)
Coden: SKKGAW ISSN 0582-4184
Technology Reports of the Seikei University College of Technology, Seikei University, Musashino-Shi, Tokyo, Japan, Japan

Technol. Rep. Tohoku Univ. (Japan) (1968—)
Coden: TRTUA9 ISSN 0040-8816
Technology Reports of the Tohoku University Sendai, Japan. S

Technol. Rep. Yamaguchi Univ. (Japan) (vol.3, no.2 Dec. 1983—)
Coden: TRYUAY ISSN 0386-3433
Technology Reports of the Yamaguchi University Faculty of Engineering, Yamaguchi University, 2557 Tokiwadai, Ube-shi, Yamaguchi 755, Japan

Technology (GB) (vol.6, no.35 27 Sept. 1982—)
Coden: TNLYDO ISSN 0264-1887
Technology Title changed to: New Technol. (GB)

Tecnica (Portugal) (1968—)
Coden: TECLAA ISSN 0040-1714
Tecnica Associacao dos Estudantes do Instituto Superior Tecnico, Av. Rovisco Pais, Lisboa-1, Portugal

Tecnol. Elettr. (Italy) (vol.2, no.2 Feb. 1975—)
Coden: TEELDN ISSN 0390-6698
Tecnologie Elettriche Formerly: Ind. Ital. Elettrotec. & Elettron. (Italy)
Interspazio Pubblicita S.r.l., Centro Commerciale Milano, San Felice, 20090 Segrate (Milano), Italy

Tectonics (USA) (vol.1, no.1 Feb. 1982—)
Coden: TCTNDM ISSN 0278-7407
Tectonics American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Tectonophysics (Netherlands) (vol.12, no.1 July 1971—)
Coden: TCTOAM ISSN 0040-1951
Tectonophysics Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Tegnikon (S. Africa) (vol.18, no.1 March 1969—)
Coden: TEGNA2 ISSN 0040-215X
Tegnikon Die Suid-Afrikaanse Akademie wir Wetenskap en Kuns, Engelenburghuis, Hamiltonstraat, Postbus 538, Pretoria, South Africa

Teh. Fiz. (Yugoslavia) (vol.14 1976—)
Coden: TEFIDJ ISSN 0350-0594
Tehnicka Fizika (Journal of Engineering Physics) Universitet u Beograd, Zavod za Fiziku Tehnickih Fakulteta, Rizveltova 1a, 11000 Beograd, Yugoslavia

Tehnika (Yugoslavia) (vol.22, no.12 1967—)
Coden: TEHBA5 ISSN 0040-2176
Tehnika Beograd, Kneza Milosa 7/11,, Yugoslavia

Teion Kagaku, Butsuri-hen
See: Low Temp. Sci. Ser. A (Japan)

Tek. Ukebl. (Norway) (1968—)
Coden: TUGEAJ ISSN 0040-2354
Teknisk Ukeblad Ingeniorforlaget A/S, Ingeniorenes Hus, Kronprinsens Gt, 17, Boks 2476, Solli, Oslo 2, Norway

†Tekh. Elektrodin. (USSR) (no.1 Jan.-Feb. 1980—)
Coden: TEKEDW ISSN 0204-3599
Tekhnicheskaya Elektrodinamika Formerly: Probl. Tekh. Elektrodin. (USSR)
Izdatel'stvo 'Nauka Dumka', 252601 Kiev GSP, Ul. Repina 3, USSR

Tekh. Kibern. (USSR) (1968—)
Coden: TEKIB8
Tekhnicheskaya Kibernetika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Eng. Cybern. (USA)*]

Tekh. Kino & Telev. (USSR) (no.12 Dec. 1968—)
Coden: TKTEAE ISSN 0040-2249
Tekhnika Kino i Televideniya Leningradskii Prospekt 47, Moskva A-167, USSR

Tekh. Misul (Bulgaria) (vol.6, no.4 1969—)
Coden: TKMSBM ISSN 0040-2168
Tekhnicheska Misul Bulgarska Akademija na Naukite, Kv. Geo Milev, Ul. 36, BAN, IV Blok, Sofiya, Bulgaria

Telcom Rep. (Germany) (vol.1, spec. issue April 1978—)
Coden: TELRD8 ISSN 0344-4880
Telcom Report Siemens Aktiengesellschaft, Hellabrunner Strasse 1, Postfach 103, D-8000 Munchen 90, Germany

Tele (Swed. Ed.) (Sweden) (vol.77, no.1 1971—)
Coden: TELEBZ ISSN 0040-2427
Tele (Swedish Edition) Marbackagatan 11, 123 86 Farsta, Sweden

†Telecommun. & Radio Eng. Part 1 (USA) (1968—)
Coden: TCREAG ISSN 0040-2508
Telecommunications and Radio Engineering Part 1: Telecommunications [Translation of: *Elektrosvyaz (USSR)*] Scripta Publishing Co., 7961 Eastern Avenue, Silver Spring, MD 20910, USA

†Telecommun. & Radio Eng. Part 2 (USA) (1968—)
Coden: TCREAG ISSN 0040-2508
Telecommunications and Radio Engineering, Part 2: Radio Engineering [Translation of: *Radiotekhnika, Moskva (USSR)*] Scripta Publishing Co., 7961 Eastern Avenue, Silver Spring, MD 20910, USA

Telecommun. J. (Engl. Ed.) (Switzerland) (1968—)
Coden: TCJOA6 ISSN 0497-137X
Telecommunication Journal (English Edition) International Telecommunications Union, Place des Nations, 1211 Geneve 20, Switzerland

Telecommun. J. Aust. (Australia) (vol.19, no.1 Feb. 1969—)
Coden: TCJAAW ISSN 0040-2486
Telecommunication Journal of Australia Telecommunication Society of Australia, Box 4050, GPO Melbourne, 3001, Victoria, Australia

Telecommun. Policy (GB) (vol.1, no.5 Dec. 1977—)
Coden: TEPODJ ISSN 0308-5961
Telecommunications Policy Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Telecommunications (India)** (1968—)
Coden: TCMSAX ISSN 0497-1388
Telecommunications Telecommunication Training Centre Building, Ridge Road, Jabalpur 6 (MP), India

Telecommunications (USA) (vol.3, no.1 Jan. 1968—)
Coden: TLCOAY ISSN 0040-2494
Telecommunications 610 Washington Street, Dedham, MA 02026, USA

Telecomunicazioni (Italy) (no.39 June 1971—)
Coden: TLCZAX ISSN 0495-0186
Telecomunicazioni Societa Italiana Telecomunicazioni Siemens s.p.a., 20149 Milano, Piazzale Zavattari 12, Italy

Telekomunikacije (Yugoslavia) (vol.24, no.2 1975—)
Coden: TLKMAY ISSN 0040-2605
Telekomunikacije Zajednica JPTT, Beograd, Palmotice va 2, Yugoslavia

Telektronikk (Norway) (1968—)
Coden: TKTKAW ISSN 0085-7130
Telektronikk Teledirektoratet, Postboks 6701, St. Olavs Plass, Oslo 1, Norway

Teleph. Eng. & Manage. (USA) (vol.72, no.19 1 Oct. 1968—)
Coden: TPEMAW ISSN 0040-263X
Telephone Engineer and Management Harcourt Brace Jovanovich Publications, 124 South First Street, Geneva, IL 60134, USA

Telephony (USA) (vol.192, no.20 16 May 1977—)
Coden: TLPNAS ISSN 0040-2656
Telephony Telephony Publishing Corp., 55 East Jackson Boulevard, Chicago, IL 60604, USA

†**Telesis (Canada)** (vol.1, no.9 Oct. 1970—)
Coden: TLSSAO ISSN 0040-2710
Telesis Bell-Northern Research, P.O. Box 3511, Station 'C', Ottawa, Ontario K1Y 4H7, Canada

Teleteknik (Engl. Ed.) (Denmark) (1968—)
Coden: TLKKAS ISSN 0492-6110
Teleteknik (English Edition) 16 Kannikegade, DK 8000 Aarhus C, Denmark

Telettra (Italy) (1968—)
Coden: TELTBC
Telettra Title changed to: Telettra Rev. (Italy)

Telettra Rev. (Italy) (no.29 Sept. 1978—)
Coden: TREVD8 ISSN 0392-8268
Telettra Review Formerly: Telettra (Italy)
Telettra S.p.A., Via trento 30, Vimercante, Milano, Italy

Television (GB) (vol.21, no.10 Aug. 1971—)
Coden: TVSCAC ISSN 0032-647X
Television IPC Magazines Ltd., King's Reach Tower, Stamford Street, London SE1 9LS, England

Television (J. R. Telev. Soc.) (GB) (vol.16, no.2 March-April 1976—)
Coden: TELED3 ISSN 0308-454X
Television (Journal of the Royal Television Society) Formerly: R. Telev. Soc. J. (GB)
Tavistock House East, Tavistock Square, London, WC1H 9HR, England

Tellus (Sweden) (1968—)
Coden: TELLAL ISSN 0040-2826
Tellus Journal split into two parts: Tellus Ser. A (Sweden) and Tellus Ser. B (Sweden)

Tellus Ser. A (Sweden) (vol.35A, no.1 Jan. 1983—)
Coden: TSAOD8 ISSN 0280-6495
Tellus, Series A (Dynamic Meteorology and Oceanography) Swedish Geophysical Society. Editorial address: Arrhenius Laboratory, S-10691 Stockholm, Sweden. Supersedes in part: Tellus (Sweden)

Tellus Ser. B (Sweden) (vol.35B, no.1 Feb. 1983—)
Coden: TSBMD7 ISSN 0280-6509
Tellus, Series B (Chemical and Physical Meteorology) Swedish Geophysical Society. Editorial address: Arrhenius Laboratory, S-10691 Stockholm, Sweden. Supersedes in part: Tellus (Sweden)

Telonde (France) (no.2 1971—)
Coden: TLNDAM ISSN 0040-2834
Telonde Thomson, 173 Boulevard Haussmann, 75379 Paris Cedex 08, France

Tenmon Geppo
See: Astron. Her. (Japan)

Teor. & Eksp. Khim. (USSR) (1968—)
Coden: TEKHA4 ISSN 0497-2627
Teoreticheskaya i Eksperimental'naya Khimiya Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theor. & Exp. Chem. (USA)*]

Teor. & Mat. Fiz. (USSR) (vol.10, no.1 Jan. 1972—)
Coden: TMFZAL ISSN 0564-6162
Teoreticheskaya i Matematicheskaya Fizika Editorial address: Department of Theoretical Physics, Institute of Mathematics, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Theor. & Math. Phys. (USA)*]

Teor. Veroyatn. & Primen. (USSR) (vol.13, no.1 1968—)
Coden: TVPRA8 ISSN 0040-361X
Teoriya Veroyatnostei i ee Primeneniya Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theory Probab. & Appl. (USA)*]

Teploenergetika (USSR) (no.4 April 1969—)
Coden: TPLOA5 ISSN 0131-7067
Teploenergetika Krasnokasarmennaya ul., d. 14, Moskva, E-250, USSR [English translations of selected articles in: *Therm. Eng. (GB)*]

Teplofiz. Vys. Temp. (USSR) (1968—)
Coden: TVYTAP ISSN 0040-3644
Teplofizika Vysokikh Temperatur Akademiya Nauk SSSR. 17 Korpus 2, Moskva E-250, USSR [English translation in: *High Temp. (USA)*]

Terebijon
See: J. Inst. Telev. Eng. Jpn. (Japan)

TESLA Electron. (Czechoslovakia) (vol.1, no.1 Aug. 1968—)
Coden: TNPTAQ ISSN 0563-1823
TESLA Electronics TESLA Electronics and Telecommunications, Karlovo nam. 7, Praha 2, Czechoslovakia

Test (GB) (vol.2, no.2 April 1980—)
Coden: TESTDF ISSN 0143-2397
Test Network, Printers Mews, Market Hill, Buckingham MK18 1JX, England

Texas J. Sci. (USA) (vol.23, no.3 10 Feb. 1972—)
Coden: TJSCAU ISSN 0040-4403
Texas Journal of Science The Talley Press, San Angelo, Texas, USA

Texture (GB) (vol.1, no.1 July 1972—)
Coden: TXTRB9
Texture Title changed to: Texture Cryst. Solids (GB)

Texture Cryst. Solids (GB) (vol.2, no.4 1977—)
Coden: TCSODK ISSN 0309-7951
Texture of Crystalline Solids Formerly: Texture (GB) Title changed to: Textures & Microstruct. (GB)

Textures & Microstruct. (GB) (vol.4, no.4 1982—)
Coden: TEMIDK ISSN 0730-3300
Textures and Microstructures Formerly: Texture Cryst. Solids (GB)
Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†**THEOCHEM (Netherlands)** (vol.1, no.1 Jan. 1981—)
Coden: THEODJ ISSN 0166-1280
THEOCHEM Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands

†**Theor. & Appl. Fract. Mech. (Netherlands)** (vol.1, no.1 March 1984—)
Coden: TAFME4 ISSN 0167-8442
Theoretical and Applied Fracture Mechanics Elsevier Science Publishers B.V. (North-Holland), P.O.Box 1991, 1000 BZ Amsterdam, Netherlands

Theor. & Exp. Chem. (USA) (1968—)
Coden: TEXCAK ISSN 0040-5760
Theoretical and Experimental Chemistry [Translation of: *Teor. & Eksp. Khim. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†**Theor. & Math. Phys. (USA)** (vol.10, no.1 Jan. 1972—)
Coden: TMPHAH ISSN 0040-5779
Theoretical and Mathematical Physics [Translation of: *Teor. & Mat. Fiz. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Theor. Chim. Acta (Germany) (vol.24, no.1 1972—)
Coden: TCHAAM ISSN 0040-5744
Theoretica Chimica Acta Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

†**Theor. Comput. Sci. (Netherlands)** (vol.1, no.1 1975—)
Coden: TCSCDI ISSN 0304-3975
Theoretical Computer Science North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Theory Probab. & Appl. (USA) (vol.15, no.1 1970—)
Coden: TPRBAU ISSN 0040-585X
Theory of Probability and its Applications [Translation of: *Teor. Veroyatn. & Primen. (USSR)*] Society for Industrial and Applied Mathematics, 33 South 17th Street, Philadelphia, PA 19103, USA

Therm. Eng. (GB) (vol.16, no.4 1969—)
Coden: THENAD ISSN 0040-6015
Thermal Engineering [Translation of: *Teploenergetika (USSR)*] British Library Lending Division, Boston Spa, Wetherby, West Yorks. LS23 7BQ, England. Distribution Centre, Blackhorse Road, Letchworth, Herts. SG6 1HN

Thin Films (GB) (vol.1, no.3 March 1969—)
Coden: THFIA3
Thin Films Title changed to: Electrocompon. Sci. & Technol. (GB)

†**Thin Solid Films (Switzerland)** (vol.3, no.5 May 1969—)
Coden: THSFAP ISSN 0040-6090
Thin Solid Films Elsevier Sequoia, P.O. Box 851, 1001 Lausanne 1, Switzerland

Tidskr. Dok. (Sweden) (vol.28, no.1 1972—)
Coden: TDDKA5 ISSN 0040-6872
Tidskrift for Dokumentation Tekniska Litteratursallskapet, Box 5073, 161 11 Bromma 11, Sweden

Tijdschr. Ned. Elektron.- & Radiogenoot. (Netherlands) (vol.38, no.1 1973—)
Coden: NERTA9 ISSN 0374-3853
Tijdschrift van het Nederlands Elektronica- en Radiogenootschap Postbus 39, Leidschendam, Netherlands

TIMS/ORSA Bull. (USA) (no.1 1976—)
Coden: TIMBDR
TIMS/ORSA Bulletin Formerly: Bull. Oper. Res. Soc. Am. (USA) Title changed to: ORSA/TIMS Bull. (USA)

Tohoku Daigaku Dentsu Danwakai Kiroku
See: Rec. Electr. & Commun. Eng. Conversazione Tohoku Univ. (Japan)

Tohoku Daigaku Kagaku Keisoku Kenkyusho Hokoku
See: Bull. Res. Inst. Sci. Meas. Tohoku Univ. (Japan)

Tohoku Geophys. J. Sci. Rep. Tohoku Univ. Fifth Ser. (Japan) (vol.27, no.1 June 1980—)
Coden: TGJOD3 ISSN 0040-8794
Tohoku Geophysical Journal, Science Reports of the Tohoku University, Fifth Series Formerly: Sci. Rep. Tokohu Univ. Fifth Ser. Geophys. (Japan)
Faculty of Science, Tohoku University, Sendai 980, Japan

Tohoku Univ. Inst. High Speed Mech. Rep. Ser. B
See: Rep. Inst. High Speed Mech. Tohoku Univ. Ser. B (Japan)

Tohoku Univ. Rec. Electr. & Commun. Eng. Conversazione
See: Rec. Electr. & Commun. Eng. Conversazione Tohoku Univ. (Japan)

Tohoku Univ. Res. Inst. Sci. Meas. Bull.
See: Bull. Res. Inst. Sci. Meas. Tohoku Univ. (Japan)

Tohoku Univ. Res. Inst. Sci. Rep. Ser. A
See: Sci. Rep. Res. Inst. Tohoku Univ. Ser. A (Japan)

Tohoku Univ. Res. Inst. Strength & Fract. Mater. Rep.
See: Rep. Res. Inst. Strength & Fract. Mater. (Japan)

Tohoku Univ. Sci. Rep. Eighth Ser. Phys. & Astron.
See: Sci. Rep. Tohoku Univ. Eighth Ser. Phys. & Astron. (Japan)

Tohoku Univ. Sci. Rep. I
See: Sci. Rep. Tohoku Univ. I (Japan)

Tohoku Univ. Technol. Rep.
See: Technol. Rep. Tohoku Univ. (Japan)

Toim. Eesti NSV Tead. Akad. Fuus. Mat. (USSR) (1968—)
Coden: ETFMB3 ISSN 0367-1429
Eesti NSV Teaduste Akadeemia. Toimetised. Fuusika, Matemaatika
Sakala 3, Tallinn, Estonia, USSR

Tokushima Univ. Fac. Eng. Bull.
See: Bull. Fac. Eng. Tokushima Univ. (Japan)

Tokyo Astron. Bull. (Japan) (no.185 10 July 1968—)
Coden: TKABAC ISSN 0082-4690
Tokyo Astronomical Bulletin Tokyo Astronomical Observatory, University of Tokyo, Mitaka, Tokyo, Japan

Tokyo Astron. Obs. Ann.
See: Ann. Tokyo Astron. Obs. (Japan)

Tokyo Astron. Obs. Kiso Inf. Bull. (Japan) (vol.1, no.1 June 1979—)
Coden: KIBODE ISSN 0286-1380
Tokyo Astronomical Observatory, Kiso Information Bulletin Mitaka, Tokyo, Japan

Tokyo Astron. Obs. Rep. (Japan) (vol.14, no.3 March 1968—)
Coden: TAORAQ ISSN 0374-4639
Tokyo Astronomical Observatory Report University of Tokyo, Mitaka, Tokyo, Japan

Tokyo Astron. Obs. Time & Latitude Bull. (Japan) (vol.50, no.3 July-Sept. 1976—)
Coden: TATLBY ISSN 0388-3701
Tokyo Astronomical Observatory Time and Latitude Bulletins Mitaka, Tokyo, Japan

Tokyo Daigaku Jishin Kenkyusho Iho
See: Bull. Earthquake Res. Inst. Univ. Tokyo (Japan)

Tokyo Daigaku Kogakubu Fuzoku Sogo Shikenjo Nenpo
See: Annu. Rep. Eng. Res. Inst. Fac. Eng. Univ. Tokyo (Japan)

Tokyo Daigaku Kogakubu Kiyo, A
See: J. Fac. Eng. Univ. Tokyo Ser. A (Japan)

Tokyo Daigaku Seisan Gijutsu Kenkyusho Hokoku
See: Rep. Inst. Ind. Sci. Univ. Tokyo (Japan)

Tokyo Daigaku Uchu Koku Kenkyusho Hokoku
See: Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo B (Japan)

Tokyo Daigaku Uchu Koku Kenkyusho Hokoku
See: Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo A (Japan)

Tokyo Denki Daigaku Kogakubu kenkyu hokoku
See: Res. Rep. Fac. Eng. Tokyo Denki Univ. (Japan)

Tokyo Denki Univ. Fac. Eng. Res. Rep.
See: Res. Rep. Fac. Eng. Tokyo Denki Univ. (Japan)

Tokyo Denki Univ. Inst. Inf. Sci. & Technol. Res. Rep.
See: Res. Rep. Inst. Inf. Sci. & Technol. Tokyo Denki Univ. (Japan)

Tokyo Gakugei Daigaku Kiyo, 4, Sugaku, Shizenkagaku
See: Bull. Tokyo Gakugei Univ. Ser. IV (Japan)

Tokyo Gakugei Univ. Bull. Ser. IV
See: Bull. Tokyo Gakugei Univ. Ser. IV (Japan)

Tokyo Inst. Polytech. Fac. Eng. Acad. Rep.
See: Acad. Rep. Fac. Eng. Tokyo Inst. Polytech. (Japan)

Tokyo Inst. Technol. Res. Lab. Eng. Mater. Rep.
See: Rep. Res. Lab. Eng. Mater. Tokyo Inst. Technol. (Japan)

Tokyo Inst. Technol. Res. Lab. Nucl. React. Bull.
See: Bull. Res. Lab. Nucl. React. (Japan)

Tokyo Inst. Technol. Res. Lab. Precis. Mach. & Electron. Bull.
See: Bull. Res. Lab. Precis. Mach. & Electron. (Japan)

Tokyo Metrop. Univ. Fac. Technol. Mem.
See: Mem. Fac. Technol. Tokyo Metrop. Univ. (Japan)

Tokyo Tenmondaiho
See: Tokyo Astron. Obs. Rep. (Japan)

Tokyo Univ. Coll. Gen. Educ. Sci. Rep.
See: Sci. Pap. Coll. Gen. Educ. Univ. Tokyo (Japan)

Tokyo Univ. Earthquake Res. Inst. Bull.
See: Bull. Earthquake Res. Inst. Univ. Tokyo (Japan)

Tokyo Univ. Eng. Res. Inst. Fac. Eng., Annu. Rep.
See: Annu. Rep. Eng. Res. Inst. Fac. Eng. Univ. Tokyo (Japan)

Tokyo Univ. Fac. Eng. J. Ser. A
See: J. Fac. Eng. Univ. Tokyo Ser. A (Japan)

Tokyo Univ. Fac. Eng. J. Ser. B
See: J. Fac. Eng. Univ. Tokyo Ser. B (Japan)

Tokyo Univ. Fac. Sci. J. Sect. 1A
See: J. Fac. Sci. Univ. Tokyo Sect. 1A (Japan)

Tokyo Univ. Inst. Ind. Sci. Rep.
See: Rep. Inst. Ind. Sci. Univ. Tokyo (Japan)

Tokyo-Toritsu Daigaku Kogakubu Kenkyu Ichiran
See: Mem. Fac. Technol. Tokyo Metrop. Univ. (Japan)

Tool. & Prod. (USA) (vol.37, no.4 July 1971—)
Coden: TOPRAR ISSN 0040-9243
Tooling and Production Huebner Publications, 5821 Harper Road, Solon, OH 44139, USA

†Toshiba Rev. (Int. Ed.) (Japan) (1968—)
Coden: TRIEA8 ISSN 0303-416X
Toshiba Review (International Edition) Toshiba Corp., 1, Komuka Toshiba-cho, Saiwai-ku, Kawasaki, Japan

Toute Electron. (France) (vol.35, no.329 Oct. 1968—)
Coden: TOELAM ISSN 0040-9855
Toute l'Electronique Societe des Editions Radio, 9 rue Jacob, 75006 Paris, France

Toyama Univ. Math. Rep.
See: Math. Rep. Toyama Univ. (Japan)

Tr. Ordena Lenina Fiz. Inst. P.N. Lebedeva (USSR) (vol.93 1977—)
Trudy Ordena Lenina Fizicheskogo Instituta Im. P.N. Lebedeva Akademiya Nauk SSSR, Moskva, USSR [English translation in: *Proc. (Tr.) P.N. Lebedev Phys. Inst. (USA)*]

TRAC Trends Anal. Chem. (Netherlands) (vol.1, no.3 Nov. 1981—)
Coden: TTAEDJ ISSN 0165-9936
TRAC Trends in Analytical Chemistry Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Traffic Eng. & Control (GB) (vol.11, no.11 March 1970—)
Coden: TENCA4 ISSN 0041-0683
Traffic Engineering & Control Printerhall Ltd., 29 Newman Street, London, W1P 3PE, England

Traffic Manage. (USA) (vol.19, no.9 Sept. 1980—)
Coden: TRMADJ ISSN 0041-0691
Traffic Management Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Train. & Dev. J. (USA) (Sept. 1983—)
Coden: TDEJA7 ISSN 0041-0861
Training and Development Journal American Society for Training and Development, Suite 305, 600 Maryland Avenue, S.W., Washington, DC 20024, USA

Train. Off. (GB) (vol.19, no.7 July 1983—)
Coden: TROFA7 ISSN 0041-090X
Training Officer Marylebone Press Ltd., 25 Cross Street, Manchester M2 1WL, England

Trans. & J. Br. Ceram. Soc. (GB) (vol.70, no.5 July 1971—)
Coden: TJBCAD ISSN 0307-7357
Transactions and Journal of the British Ceramic Society Shelton House, Stoke-on-Trent, England

Trans. Am. Nucl. Soc. (USA) (vol.11, no.2 1968—)
Coden: TANSAO ISSN 0003-018X
Transactions of the American Nuclear Society American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

Trans. ASME Ser. A, J. Eng. Power (USA) (1968—)
Coden: JEPOA8
Transactions of the ASME. Series A, Journal of Engineering for Power Title changed to: Trans. ASME. J. Eng. Power (USA)

Trans. ASME Ser. B, J. Eng. Ind. (USA) (1968—)
Coden: JEFIA8
Transactions of the ASME. Series B, Journal of Engineering for Industry Title changed to: Trans. ASME. J. Eng. Ind. (USA)

Trans. ASME Ser. C, J. Heat Transfer (USA) (1968—)
Coden: JHTRAO
Transactions of the ASME. Series C, Journal of Heat Transfer Title changed to: Trans. ASME. J. Heat Transfer (USA)

Trans. ASME Ser. E, J. Appl. Mech. (USA) (1968—)
Coden: JAMCAV
Transactions of the ASME, Series E, Journal of Applied Mechanics Title changed to: Trans. ASME. J. Appl. Mech. (USA)

Trans. ASME Ser. F, J. Lubr. Technol. (USA) (vol.90, no.1 Jan. 1968—)
Coden: JLUTAT
Transactions of the ASME, Series F, Journal of Lubrication Technology Title changed to: Trans. ASME. J. Lubr. Technol. (USA)

Trans. ASME Ser. G, J. Dyn. Syst. Meas. & Control (USA) (vol.93, no.1 March 1971—)
Coden: JDSMAA
Transactions of the ASME. Series G, Journal of Dynamic Systems, Measurement and Control Title changed to: Trans. ASME. J. Dyn. Syst. Meas. & Control (USA)

Trans. ASME Ser. H, J. Eng. Mater. & Technol. (USA) (vol.95, no.2 April 1973—)
Coden: JEMTA8
Transactions of the ASME. Series H, Journal of Engineering Materials and Technology Title changed to: Trans. ASME. J. Eng. Mater. & Technol. (USA)

Trans. ASME Ser. I, J. Fluids Eng. (USA) (vol.95, no.1 March 1973—)
Coden: JFEGA4
Transactions of the ASME. Series I, Journal of Fluids Engineering Title changed to: Trans. ASME. J. Fluids Eng. (USA)

Trans. ASME Ser. J, J. Pressure Vessel Technol. (USA) (vol.96, no.1 Feb. 1974—)
Coden: JPVTAS
Transactions of the ASME. Series J, Journal of Pressure Vessel Technology Title changed to: Trans. ASME. J. Pressure Vessel Technol. (USA)

Trans. ASME Ser. K, J. Biomech. Eng. (USA) (vol.99, no.1 Feb. 1977—)
Transactions of the ASME, Series K, Journal of Biomechanical Engineering Title changed to: Trans. ASME. J. Biomech. Eng. (USA)

Trans. ASME. J. Appl. Mech. (USA) (vol.45, no.1 March 1978—)
Coden: JAMCAV ISSN 0021-8936
Transactions of the ASME. Journal of Applied Mechanics Formerly: Trans. ASME Ser. E, J. Appl. Mech. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Biomech. Eng. (USA) (vol.100, no.1 Feb. 1978—)
Coden: JBENDY ISSN 0148-0731
Transactions of the ASME. Journal of Biomechanical Engineering Formerly: Trans. ASME Ser. K, J. Biomech. Eng. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

†Trans. ASME. J. Dyn. Syst. Meas. & Control (USA) (vol.100, no.1 March 1978—)
Coden: JDSMAA ISSN 0022-0434
Transactions of the ASME. Journal of Dynamic Systems, Measurement and Control Formerly: Trans. ASME Ser. G, J. Dyn. Syst. Meas. & Control (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Energy Resour. Technol. (USA) (vol.101, no.3 Sept. 1979—)
Coden: JERTD2 ISSN 0195-0738
Transactions of the ASME. Journal of Energy Resources Technology
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Eng. Gas Turbines & Power (USA) (vol.106, no.1 Jan. 1984—)
ISSN 0022-0825
Transactions of the ASME. Journal of Engineering for Gas Turbines and Power Formerly: Trans. ASME. J. Eng. Power (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Eng. Ind. (USA) (vol.100, no.1 Feb. 1978—)
Coden: JEFIA8 ISSN 0022-0817
Transactions of the ASME. Journal of Engineering for Industry Formerly: Trans. ASME Ser. B, J. Eng. Ind. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Eng. Mater. & Technol. (USA) (vol.100, no.1 Jan. 1978—)
Coden: JEMTA8 ISSN 0094-4289
Transactions of the ASME. Journal of Engineering Materials and Technology Formerly: Trans. ASME Ser. H, J. Eng. Mater. & Technol. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Eng. Power (USA) (vol.100, no.1 Jan. 1978—)
Coden: JEPOA8 ISSN 0022-0825
Transactions of the ASME. Journal of Engineering for Power Formerly: Trans. ASME Ser. A, J. Eng. Power (USA) Title changed to: Trans. ASME. J. Eng. Gas Turbines & Power (USA)

Trans. ASME. J. Fluids Eng. (USA) (vol.100, no.1 March 1978—)
Coden: JFEGA4 ISSN 0098-2202
Transactions of the ASME. Journal of Fluids Engineering Formerly: Trans. ASME Ser. I, J. Fluids Eng. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Heat Transfer (USA) (vol.100, no.1 Feb. 1978—)
Coden: JHTRAO ISSN 0022-1481
Transactions of the ASME. Journal of Heat Transfer Formerly: Trans. ASME Ser. C, J. Heat Transfer (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Lubr. Technol. (USA) (vol.100, no.1 Jan. 1978—)
Coden: JLUTAT ISSN 0022-2305
Transactions of the ASME. Journal of Lubrication Technology Formerly: Trans. ASME Ser. F, J. Lubr. Technol. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Mech. Des. (USA) (vol.100, no.1 Jan. 1978—)
Coden: JMDEDB ISSN 0161-8458
Transactions of the ASME. Journal of Mechanical Design Journal split into two parts: Trans. ASME. J. Mech. Transm. & Autom. Des. (USA) and Trans. ASME. J. Vib. Acoust. Stress & Reliab. Des. (USA)

Trans. ASME. J. Mech. Transm. & Autom. Des. (USA) (vol.105, no.1 March 1983—)
Coden: JMTDDK ISSN 0738-0666
Transactions of the ASME. Journal of Mechanisms, Transmissions, and Automation in Design American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, NY 10017, USA. Supersedes in part: Trans. ASME. J. Mech. Des. (USA)

Trans. ASME. J. Pressure Vessel Technol. (USA) (vol.100, no.1 Feb. 1978—)
Coden: JPVTAS ISSN 0094-9930
Transactions of the ASME. Journal of Pressure Vessel Technology Formerly: Trans. ASME Ser. J, J. Pressure Vessel Technol. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Sol. Energy Eng. (USA) (vol.102, no.1 Feb. 1980—)
Coden: JSEEDO ISSN 0199-6231
Transactions of the ASME. Journal of Solar Energy Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Vib. Acoust. Stress & Reliab. Des. (USA) (vol.105, no.1 Jan. 1983—)
Coden: JVADDM ISSN 0745-4333
Transactions of the ASME. Journal of Vibration, Acoustics, Stress, and Reliability in Design American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, NY 10017, USA. Supersedes in part: Trans. ASME. J. Mech. Des. (USA)

Trans. Bose Res. Inst. (India) (1968—)
Coden: TBICAQ ISSN 0006-7903
Transactions of the Bose Research Institute 93/1 Acharya Prafulla Chandra Road, Calcutta 9, India

Trans. Electr. Supply Auth. Eng. Inst. N.Z. (New Zealand) (vol.46 1976—)
Coden: TSAZD7 ISSN 0110-3547
Transactions of the Electric Supply Authority Engineers' Institute of New Zealand Inc P.O. Box 3047, Wellington, New Zealand

Trans. Indian Inst. Met. (vol.34, no.5 Oct. 1981—)
Coden: TIIMA3 ISSN 0019-493X
Transactions of the Indian Institute of Metals 2 Sambhunath Pandit Street, Calcutta 700020, India

†Trans. Inf. Process. Soc. Jpn. (Japan) (vol.20, no.1 1979—)
Coden: JSGRD5 ISSN 0387-5806
Transactions of the Information Processing Society of Japan Kikai-Shinko-Kai Bldg., 3-5-8 Shiba-koen, Minato-ku, Tokyo 105, Japan

Trans. Inst. Chem. Eng. (GB) (1968—)
Coden: TICEAH ISSN 0046-9858
Transactions of the Institution of Chemical Engineers Title changed to: Chem. Eng. Res. & Des. (GB)

Trans. Inst. Electr. Eng. Jpn. (Japan) (vol.92, no.1 Jan. 1972—)
Coden: TIEJA8 ISSN 0020-2878
Transactions of the Institute of Electrical Engineers of Japan Journal split into 3 parts: Trans. Inst. Electr. Eng. Jpn. Part A, B and C (Japan)

Trans. Inst. Electr. Eng. Jpn. Part A (Japan) (vol.98A, no.4 April 1978—)
Coden: DGKRA8 ISSN 0385-4205
Transactions of the Institute of Electrical Engineers of Japan, Part A Yuraku-cho, Chiyoda-ku, Tokyo, Japan. Translation in: Electr. Eng. Jpn. (USA). Supersedes in part: Trans. Inst. Electr. Eng. Jpn. (Japan)

Trans. Inst. Electr. Eng. Jpn. Part B (Japan) (vol.98B, no.4 April 1978—)
Coden: DGRBDW ISSN 0385-4213
Transactions of the Institute of Electrical Engineers of Japan, Part B Yuraku-cho, Chiyoda-ku, Tokyo, Japan. Translation in: Electr. Eng. Jpn. (USA). Supersedes in part: Trans. Inst. Electr. Eng. Jpn. (Japan)

Trans. Inst. Electr. Eng. Jpn. Part C (Japan) (vol.98C, no.4 April 1978—)
Coden: DGRCDZ ISSN 0385-4221
Transactions of the Institute of Electrical Engineers of Japan, Part C Yuraku-cho, Chiyoda-ku, Tokyo, Japan. Translation in: Electr. Eng. Jpn. (USA). Supersedes in part: Trans. Inst. Electr. Eng. Jpn. (Japan)

Trans. Inst. Electr. Eng. Jpn. Sect. E (Japan) (vol.99, no.1-2 Jan.-Feb. 1979—)
Coden: TIEJDB ISSN 0288-0873
Transactions of the Institute of Electrical Engineers of Japan, Section E Denki Gakkai, 1-12-1 Yurakucho, Chiyodaku, Tokyo, Japan. Contains original contributions in English and abridged version in English of papers published in Japanese in Trans. Inst. Electr. Eng. Jpn. Parts A, B and C (Japan)

†Trans. Inst. Electron. & Commun. Eng. Jpn. Part A (Japan) (vol.52, no.2 Feb. 1969—)
Coden: DTGABT ISSN 0373-6091
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part A Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan Bldg., 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

†Trans. Inst. Electron. & Commun. Eng. Jpn. Part B (Japan) (vol.52, no.2 Feb. 1969—)
Coden: DTGBBW ISSN 0373-6105
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part B Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan Bldg., 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

†Trans. Inst. Electron. & Commun. Eng. Jpn. Part C (Japan) (vol.52, no.2 Feb. 1969—)
Coden: DTGCAY ISSN 0373-6113
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part C Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan Bldg., 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

†Trans. Inst. Electron. & Commun. Eng. Jpn. Part D (Japan) (vol.55D, no.1 Jan. 1972—)
Coden: DTGDA3 ISSN 0374-468X
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part D Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan Bldg., 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

†Trans. Inst. Electron. & Commun. Eng. Jpn. Sect. E (Japan) (vol.E59, no.4 April 1976—)
Coden: TIEEDU ISSN 0387-236X
Transactions of the Institute of Electronics and Communication Engineers of Japan, Section E (English) Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan Bldg., 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo, Japan. Contains original contributions in English and abridged version in English of papers and letters published in Japanese in Trans. Inst. Electron. & Commun. Eng. Jpn. Parts A, B, C and D(Japan)

Trans. Inst. Eng. Aust. Civ. Eng. (Australia) (vol.CE21, no.2 1979—)
Coden: TEACDA ISSN 0020-3297
Transactions of the Institution of Engineers, Australia, Civil Engineering Formerly: Inst. Eng. Aust. Civ. Eng. Trans. (Australia)
11 National Circuit, Barton, A.C.T. 2600, Australia

Trans. Inst. Eng. Aust. Electr. Eng. (Australia) (vol.EE15, no.2 1979—)
Coden: TEAEDG ISSN 0020-3300
Transactions of the Institution of Engineers, Australia Electrical Engineering Formerly: Inst. Eng. Aust. Electr. Eng. Trans. (Australia). Merged with Proc. IREE Aust. (Australia) to form J. Electr. & Electron. Eng. Aust. (Australia)

Trans. Inst. Eng. Aust. Gen. Eng. (Australia) (vol.GE4 1980—)
Coden: TRGEDZ ISSN 0725-0444
Transactions of the Institution of Engineers, Australia, General Engineering 11 National Circuit, Barton, A.C.T. 2600, Australia

Trans. Inst. Eng. Aust. Mech. Eng. (Australia) (vol.ME4 Nov. 1979—)
Coden: TEAMD6 ISSN 0313-5519
Transactions of the Institution of Engineers, Australia Mechanical Engineering Formerly: Inst. Eng. Aust. Mech. Eng. Trans. (Australia)
11 National Circuit, Barton, A.C.T. 2600, Australia

Trans. Inst. Meas. & Control (GB) (vol.1, no.1 Jan.-March 1979—)
Coden: TICODG ISSN 0142-3312
Transactions of the Institute of Measurement and Control 20 Peel Street, London W8 7DP, England

Trans. Inst. Met. Finish. (GB) (1968—)
Coden: TIMFA2 ISSN 0020-2967
Transactions of the Institute of Metal Finishing Exeter House, 48 Holloway Head, Birmingham B1 1NQ, England

Trans. Inst. Prof. Eng. N.Z. Civ. Eng. Sect. (New Zealand) (vol.9, no.2/CE July 1982—)
Coden: TPCSD9 ISSN 0111-9508
Transactions of the Institution of Professional Engineers New Zealand, Civil Engineering Section Formerly: Trans. N.Z. Inst. Eng. Inc. Civ. Eng. Sect. (New Zealand)
101 Molesworth Street, P.O.Box 12241, Wellington, New Zealand

Trans. Inst. Prof. Eng. N.Z. Electr./Mech. Chem. Eng. Sect. (New Zealand) (vol.9, no.2/EMCh July 1982—)
Coden: TPESDJ ISSN 0111-946X
Transactions of the Institution of Professional Engineers New Zealand, Electrical/Mechanical Chemical Engineering Section Formerly: Trans. N.Z. Inst. Eng. Inc. Electr./Mech./Chem. Eng. Sect. (New Zealand)
101 Molesworth Street, P.O.Box 12241, Wellington, New Zealand

Trans. Int. Assoc. Math. & Comput. Simulation (Belgium) (vol.18, no.1 Jan. 1976—)
Coden: TIASDI
Transactions of the International Association for Mathematics and Computers in Simulation Formerly: Ann. Assoc. Int. Calcul Analogique (Belgium) Title changed to: Math. & Comput. Simulation (Netherlands)

†Trans. Jpn. Inst. Met. (Japan) (1968—)
Coden: TJIMAA ISSN 0021-4434
Transactions of the Japan Institute of Metals Japan Institute of Metals, Aoba Araniaki, Sendai 980, Japan

Trans. Jpn. Soc. Aeronaut. & Space Sci. (Japan) (vol.26, no.73 Nov. 1983—)
Coden: TJASAM ISSN 0549-3811
Transactions of the Japan Society for Aeronautical and Space Sciences Koukukaikan-bunkan, 1-18-2 Shinbashi, Minato-ku, Tokyo 105, Japan

Trans. Korean Inst. Electr. Eng. (vol.31, no.10 1982—)
Coden: CHNODD ISSN 0254-4172
Transactions of the Korean Institute of Electrical Engineers 11-4 Soopyo-dong, Chung-ku, Seoul 100, Korea

Trans. Metall. Soc. AIME (USA) (1968—)
Coden: TMSAAB
Transactions of the Metallurgical Society of AIME Title changed to: Metall. Trans. A (USA)

Trans. N.Z. Inst. Eng. Inc. Civ. Eng. Sect. (New Zealand) (vol.7, no.1/CE March 1980—)
Coden: TNZCDS ISSN 0111-2759
Transactions of the New Zealand Institution of Engineers Incorporated, Civil Engineering Section Title changed to: Trans. Inst. Prof. Eng. N.Z. Civ. Eng. Sect. (New Zealand)

Trans. N.Z. Inst. Eng. Inc. Electr./Mech./Chem. Eng. Sect. (New Zealand) (vol.7, no.2/EMCh July 1980—)
Coden: TNZSD8 ISSN 0111-2740
Transactions of the New Zealand Institution of Engineers Incorporated, Electrical/Mechanical/Chemical Engineering Section Title changed to: Trans. Inst. Prof. Eng. N.Z. Electr./Mech. Chem. Eng. Sect. (New Zealand)

†Trans. Natl. Res. Inst. Met. (Japan) (1968—)
Coden: TNRMAF ISSN 0453-9222
Transactions of National Research Institute for Metals 3-12, 2-chome, Nakameguro, Meguro-ku, Tokyo, Japan

Trans. North East Coast Inst. Eng. Shipbuild. (GB) (1968—)
Coden: TNEEAS ISSN 0029-280X
Transactions of the North East Coast Institution of Engineers and Shipbuilders Sunderland Polytechnic, Chester Road, Sunderland, Tyne and Wear SR1 3SD, England

Trans. R. Soc. Can. (Canada) (vol.8 1970—)
Coden: TRSCAI ISSN 0035-9122
Transactions of the Royal Society of Canada (Memoires de la Societe Royale du Canada) 344 Wellington Street, Ottawa K1A ONA, Canada. University of Toronto Press, Toronto 5, Ontario

Trans. Rhod. Sci. Assoc. (Rhodesia) (vol.56, no.1 Nov. 1974—)
Coden: TRSADF
Transactions of the Rhodesia Scientific Association Formerly: Proc. & Trans. Rhod. Sci. Assoc. (Rhodesia) Title changed to: Trans. Zimbabwe Sci. Assoc.

Trans. S. Afr. Inst. Electr. Eng. (S. Africa) (1968—)
Coden: TSAEA9 ISSN 0038-2221
Transactions of the South African Institute of Electrical Engineers Kelvin Publications, Loveday Street, P.O. Box 2988, 2000 Johannesburg, South Africa

Trans. SAEST (India) (vol.7, no.1 Jan.-March 1972—)
Coden: TSETA6 ISSN 0036-0678
Transactions of the Society for Advancement of Electrochemical Science and Technology Cecrinagar, Karaikudi-3, Tamil Nadu, India

Trans. Soc. Instrum. & Control Eng. (Japan) (1968—)
Coden: TSICA9 ISSN 0453-4654
Transactions of the Society of Instrument and Control Engineers Hongo-1-35-28-303, Bunkyo-ku, Tokyo 113, Japan

Trans. Soc. Rheol. (USA) (vol.15, no.4 1971—)
Coden: TSRHAZ
Transactions of the Society of Rheology Title changed to: J. Rheol. (USA)

Trans. Tech. Sect. Can. Pulp & Pap. Assoc. (Canada) (vol.5, no.1 March 1979—)
Coden: TSCPDL ISSN 0317-882X
Transactions of the Technical Section, Canadian Pulp and Paper Association Title changed to: J. Pulp & Pap. Sci. (Canada)

Trans. Zimbabwe Sci. Assoc. (vol.60, no.1 April 1980—)
Coden: TZASDZ ISSN 0254-2765
Transactions of the Zimbabwe Scientific Association Formerly: Trans. Rhod. Sci. Assoc. (Rhodesia)
M.O. Collins (Pvt.) Ltd., P.O. Box 3094, Salisbury, Zimbabwe

Transducer Technol. (GB) (vol.2, no.3 March-April 1980—)
Coden: TTECDX ISSN 0143-7275
Transducer Technology Industrial Media Ltd., 6 Frant Road, Tunbridge Wells, Kent TN2 5SJ, England

Transelektro News (Hungary) (1968—)
Coden: TREKB7 ISSN 0564-1055
Transelektro News Hungarian Trading Co. for Electrical Equipment and Supplies, Budapest 62, PO Box 337, Hungary

Transm. & Distrib. (USA) (1968—)
Coden: TRDIAT ISSN 0041-1280
Transmission and Distribution Cleworth Publishing Co., One River Road, Cos Cob, CT 16807, USA

Transnatl. Data Rep. (Netherlands) (vol.4, no.1 Jan. 1981—)
Coden: TTDRD5 ISSN 0167-6962
Transnational Data Report North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Transp. Environ. Circ. (France) (no.57 March-April 1983—)
Coden: TECID4 ISSN 0397-6513
Transport Environnement Circulation 38 Avenue Emile-Zola, 75015 Paris, France

Transp. Plann. & Technol. (GB) (vol.1, no.1 April 1972—)
Coden: TPLTAK ISSN 0308-1060
Transport Planning and Technology Gordon and Breach Science Publications Ltd. 41 and 42 William IV Street, London, WC2, England

Transp. Res. (GB) (vol.9, no.2-3 July 1975—)
Coden: TRREBK
Transportation Research Journal split into two parts: Transp. Res. Parts A and B (GB)

Transp. Res. Part A (GB) (vol.13A, no.2 April 1979—)
Coden: TRAGDB ISSN 0191-2607
Transportation Research Part A: General Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Supersedes in part: Transp. Res. (GB)

Transp. Res. Part B (GB) (vol.13B, no.3 Sept. 1979—)
Coden: TRBMDY ISSN 0191-2615
Transportation Research Part B: Methodological Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Supersedes in part: Transp. Res. (GB)

Transp. Sci. (USA) (vol.5, no.4 Nov. 1971—)
Coden: TRSCBJ ISSN 0041-1655
Transportation Science Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

Transp. Theory & Stat. Phys. (USA) (vol.1, no.1 Jan. 1971—)
Coden: TTSPB4 ISSN 0041-1450
Transport Theory and Statistical Physics Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Trends & Perspect. Signal Process. (USA) (vol.1, no.3 July 1981—)
Coden: TRPRDH ISSN 0736-7007
Trends & Perspectives in Signal Processing Signal Processing Resources Inc., Room 3720, One Boston Place, Boston, MA 02108, USA

Tribology Int. (GB) (vol.5, no.1 Feb. 1972—)
Coden: TRBIBK ISSN 0301-679X
Tribology International Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Tripoli Univ. Fac. Eng. Bull.
See: Univ. Tripoli Bull. Fac. Eng. (Libya)

Tsinghua Univ. J.
See: J. Tsinghua Univ. (China)

†TSS & TSS News (Egypt) (vol.14 1980—)
Coden: TSSNDR
TSS and TSS News Mr. Kamal Gohar, 24 Lmer Street, Dokki-Giza, Cairo, Egypt

Tud. & Musz. Tajek. (Hungary) (vol.18, no.11-12 Nov.-Dec. 1971—)
Coden: TMTAAG ISSN 0041-3917
Tudomanyos es Muszaki Tajekoztatas Orszagos Muszaki Konyvtar es Dokumentacios Kozpont, Budapest VIII, Reviczky u. 6, Hungary

Tung-Chi Univ. J.
See: J. Tung-Chi Univ. (China)

Uegyvitel & Inf. Allamigazgatasban (Hungary) (no. 1 1980—)
Coden: UIALD8
Ugyvitel es Informacio az Allamigazgatasban Lapkiado Vallalat, Lenin korut 9-11, Budapest VII, Hungary

†Ukr. Fiz. Zh. (USSR) (1968—)
Coden: UFIZAW ISSN 0503-1265
Ukrayins'kyi Fizychnyi Zhurnal 'Naukova Dumka', Kiev, Repina 3, USSR

Ultramicroscopy (Netherlands) (vol.1, no.1 July 1975—)
Coden: ULTRD6 ISSN 0304-3991
Ultramicroscopy North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Ultrason. Imaging (USA) (vol.2, no.1 Jan. 1980—)
Coden: ULIMD4 ISSN 0161-7346
Ultrasonic Imaging Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Ultrasonics (GB) (1968—)
Coden: ULTRA3 ISSN 0041-624X
Ultrasonics Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Ultrasound Med. & Biol. (GB) (vol.1, no.1 Sept. 1973—)
Coden: USMBA3 ISSN 0301-5629
Ultrasound in Medicine & Biology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Umsch. Wiss. & Tech. (Germany) (no.7 27 March 1969—)
Coden: UWTCAZ
Umschau in Wissenschaft und Technik Title changed to: Umschau (Germany)

Umschau (Germany) (vol.82, no.1 8 Jan. 1982—)
Coden: UMSCDV ISSN 0041-6347
Die Umschau Formerly: Umsch. Wiss. & Tech. (Germany)
Postfach 11 02 62, Stuttgarter Strasse 18-24, D-6000 Frankfurt am Main 11, Germany

Und-oder-Nor & Steuerungstech. (Germany) (no.4 1974—)
Coden: UONSDY ISSN 0342-8834
Und-oder-Nor & Steuerungstechnik Formerly: Steuerungstechnik (Germany)
Distribution-Verlag GmbH, 65 Mainz, Lessingstrasse 12-14, Germany

Undersea Technol. (USA) (vol.13, no.1 Jan. 1972—)
Coden: UNTEAC
Undersea Technology Title changed to: Sea Technol. (USA)

Unesco Bull. Libr. (France) (vol.25, no.4 July-Aug. 1971—)
Coden: UNBLAB
Unesco Bulletin for Libraries Title changed to: Unesco J. Inf. Sci. Librarianship & Arch. Adm. (France)

Unesco J. Inf. Sci. Librarianship & Arch. Adm. (France) (vol.1, no.1 Jan.-March 1979—)
Coden: UJIADM ISSN 0379-122X
Unesco Journal of Information Science, Librarianship and Archives Administration Formerly: Unesco Bull. Libr. (France)
United Nations Educational, Scientific and Cultural Organization, 7 Place de Fontenoy, 75700 Paris, France

Union Burma J. Sci. & Technol. (vol.1, no.1 April 1969—)
Coden: UBJSAM ISSN 0566-7542
Union of Burma Journal of Science and Technology Union of Burma Applied Resrarch Institute, Yankin P.O., Rangoon, Burma

Univ. Comput. (GB) (vol.6, no.1 Spring 1984—)
Coden: UNCOET ISSN 0265-4385
University Computing Formerly: IUCC Bull. (GB)
Published in association with Inter-University Committee on Computing by Blackwell Scientific Publications Ltd., Osney Mead, Oxford OX2 0EL, England

Univ. Electro-Commun. Rep.
See: Rep. Univ. Electro-Commun. (Japan)

Univ. Tripoli Bull. Fac. Eng. (Libya) (vol.2 1975—)
Coden: BFETDQ
University of Tripoli Bulletin of the Faculty of Engineering P.O. Box 1098, Tripoli, Libya

Univac Technol. Rev. (Japan) (1983—)
Coden: GNUNEU
Univac Technology Review Japan Univac Users Association, 2-17-51, Akasaka, Minato-ku, Tokyo 107, Japan

Unternehmensforschung (Germany) (vol.12, no.2 1968—)
Coden: UNFGAG
Unternehmensforschung Journal split into two parts: Z. Oper. Res. Ser. A and Z. Oper. Res. Ser. B

†Usp. Fiz. Nauk (USSR) (1968—)
Coden: UFNAAG ISSN 0042-1294
Uspekhi Fizicheskii Nauk Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Usp. (USA)*]

USSR Comput. Math. & Math. Phys. (GB) (vol.8, no.4 1968—)
Coden: CMMPA9 ISSN 0041-5553
U.S.S.R. Computational Mathematics and Mathematical Physics [Translation of: *Zh. Vychisl. Mat. & Mat. Fiz. (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

UV Spectrom. Group Bull. (GB) (no.1 Aug. 1973—)
Coden: UVSGAZ ISSN 0144-2317
UV Spectrometry Group Bulletin Formerly: Photoelectr. Spectrom. Group Bull. (GB)
c/o Pye Unicam Ltd., York Street, Cambridge, CB1 2PX, England

Vac News (India) (vol.4, no.1 March 1973—)
Coden: VACNBB ISSN 0254-7848
Vac News Indian Vacuum Society, c/o Technical Physics Division, Bhabha Atomic Research Centre, Trombay, Bombay 400 085, India

Vac. Sci. & Technol. (China) (vol.4, no.2 1984—)
Coden: CKKSDV
Vacuum Science and Technology (Zhenkong Kexue Yu Jishu) Vacuum Science and Technology Publishing House, P.O.Box 5105, Beijing, People's Republic of China

† indicates a journal abstracted completely

Vac. Soc. Jpn. J.
See: J. Vac. Soc. Jpn. (Japan)

Vacuum (GB) (1968—)
Coden: VACUAV ISSN 0042-207X
Vacuum Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Vak.-Tech. (Germany) (vol.28, no.8 Nov. 1979—)
Coden: VAKTAY ISSN 0042-2266
Vakuum-Technik Rudolf A. Lang Verlag, Postfach, 6270 Idstein/Taunus, Germany

VAX/RSTS Prof. (USA) (vol.6, no.5 Oct. 1984—)
ISSN 0745-2888
VAX/RSTS Professional M Systems Inc., 161 East Hunting Park Avenue, Philadelphia, PA 19124, USA

VDE Fachber. (Germany) (1968—)
Coden: VDEFAH ISSN 0340-4161
VDE Fachberichte Verband Deutscher Elektrotechniker. Bismarckstrasse 33, 1000 Berlin 12, Germany

VDI Z. (Germany) (1968—)
Coden: VDIZAT ISSN 0042-1766
VDI Zeitschrift Verlag des Vereins Deutscher Ingenieure, Graf-Recke Strasse 84, 4 Dusseldorf 1, Germany

Veh. Syst. Dyn. (Netherlands) (vol.1, no.1 May 1972—)
Coden: VSDYA4 ISSN 0042-3114
Vehicle System Dynamics Swets & Zeitlinger N.V., 347B Heereweg, Lisse, Netherlands

VEM Tech. Inf. Automatisierungsanlagen, Elektroenergieanlagen (Germany) (no.1 Feb. 1984—)
VEM Technische Informationen, Automatisierungsanlagen, Elektroenergieanlagen Formerly: Wiss.-Tech. Inf. VEB Kombinat Automatisierungsanlagenbau (Germany)
VEB Kombinat Automatisierungsanlagenbau, DDR - 1140 Berlin, Rhinstrasse 100, Germany. VEB Kombinat Elektroenergieanlagenbau, DDR - 7010 Leipzig, Humboldtstrasse 2a

Ver. Dtsch. Ing. Z.
See: VDI Z. (Germany)

Verb. Dtsch. Elektrotech. Fachber.
See: VDE Fachber. (Germany)

Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium) (1968—)
Coden: VVABA9
Verhandelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie Title changed to: Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. Kl. Wet. (Belgium)

Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. Kl. Wet. (Belgium) (vol.40, no.147 1978—)
Coden: VKKWAB ISSN 0374-4752
Verhandelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie, Klasse der Wetenschappen Formerly: Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium)
Paleis der Academien, Hertogsstraat 1, B-1000 Brussel, Belgium

Verkstaederna (Sweden) (1968—)
Coden: VSTDAL ISSN 0042-4056
Verkstaderna Storgatan 5, Box 5510, 114 85 Stockholm 5, Sweden

Vertica (GB) (vol.1, no.1 1976—)
Coden: VERTDW ISSN 0360-5450
Vertica Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Vestn. Leningr. Univ. Fiz. & Khim. (USSR) (1968—)
Coden: VLUFBI ISSN 0024-0826
Vestnik Leningradskogo Universiteta Fizika i Khimiya Leningrad University Press, Universitetskaya Nab.7/9, Leningrad B-164, USSR

Vestn. Leningr. Univ. Ser. Mat. Mekh. & Astron. (USSR) (1968—)
Coden: VLUAA2 ISSN 0024-0850
Vestnik Leningradskogo Universiteta-Seriya; Matematika, Mekhanika i Astronomiya Universitetskaya Nab.7/9, Leningrad B-164, USSR

Vestn. Mashinostr. (USSR) (vol.49, no.2 1969—)
Coden: VMASAV ISSN 0042-4633
Vestnik Mashinostroeniya Mashinostroenie, Prospekt Mira, d. 106, Moskva, GSP-110, USSR. Translation of selected articles appear in Sov. Eng. Res. (GB)

Vestn. Mosk. Univ. Fiz. Astron. (USSR) (1968—)
Coden: VMUFAO
Vestnik Moskovskogo Universiteta - Fizika, Astronomiya Title changed to: Vestn. Mosk. Univ. Ser. 3 (USSR)

Vestn. Mosk. Univ. Mat. Mekh. (USSR) (no.3 March 1971—)
Coden: VMMMA5
Vestnik Moskovskogo Universiteta. Matematika, Mekhanika Title changed to: Vestn. Mosk. Univ. Ser. 1 (USSR)

Vestn. Mosk. Univ. Ser. 15 (USSR) (no.2 1978—)
Coden: VMUKD8
Vestnik Moskovskogo Universiteta, Seriya 15, Vychislitel'naya Matematika i Kibernetika Izdatel'stvo Moskovskogo Universiteta, Moskva, 103009, ul. Gertsena 5-7, USSR [English translation in: *Moscow Univ. Comput. Math. & Cybern. (USA)*]

Vestn. Mosk. Univ. Ser. 1 (USSR) (no.4 July-Aug. 1979—)
Coden: VMMMA5 ISSN 0579-9368
Vestnik Moskovskogo Universiteta, Seriya 1, Matematika Mekhanika Formerly: Vestn. Mosk. Univ. Mat. Mekh. (USSR)
Izdatel'stvo Moskovskogo Universiteta, 103009 Moskva, Ul. Gertsena 5/7, USSR

Vestn. Mosk. Univ. Ser. 3 (USSR) (vol.20, no.4 1979—)
Coden: VMUFAO ISSN 0579-9392
Vestnik Moskovskogo Universiteta, Seriya 3, Fizika Astronomiya Formerly: Vestn. Mosk. Univ. Fiz. Astron. (USSR)
Izdatel'stvo Moskovskogo Universiteta, 103009 Moskva, Ul. Gertsena 5/7, USSR [English translation in: *Moscow Univ. Phys. Bull. (USA)*]

Vestsi Akad. Navuk BSSR Ser. Fiz. Energ. Navuk (no.1 1972—)
Coden: VABFAF ISSN 0374-4760
Vestsi Akademii Navuk BSSR. Serya Fizika Energetychnykh Navuk 'Navuk i Tekhnika', Leninski Prospekt 68, Minsk, USSR

VGB Kraftwerkstech. (German Ed.) (Germany) (vol.60, no.9 Sept. 1980—)
Coden: VGBKB5 ISSN 0372-5715
VGB Kraftwerkstechnik (German Edition) Klinkerstrasse 27-31, Postfach 10 39 32, 4300 Essen 1, Germany. Look out for conf.

VHF Commun. (Germany) (vol.16, no.1 Spring 1984—)
Coden: VHFCEB
VHF Communications Verlag UKW-Berichte Terry Bittan, Jahnstrasse 16, Postfach 80, D-8523 Baiersdorf, Germany

Vic Comput. (GB) (vol.2, no.1 Oct. 1982—)
Coden: VICOD4 ISSN 0264-178X
Vic Computing Title changed to: Commodore User (GB)

Vide (France) (1968—)
Coden: VIDEAA
Le Vide Title changed to: Vide les Couches Minces (France)

Vide les Couches Minces (France) (no.195 Jan.-March 1979—)
Coden: VCMIDS ISSN 0223-4335
Le Vide les Couches Minces Formerly: Vide (France)
Societe Francaise du Vide, 19 rue du Renard, 75004 Paris, France

Videodisc & Opt. Disk (USA) (vol.4, no.2 March-April 1984—)
Coden: VODIEY ISSN 0742-5740
Videodisc and Optical Disk Formerly: Videodisc/Videotex (USA)
Meckler Publishing, 520 Riverside Avenue, Westport, CT 06880, USA

Videodisc/Videotex (USA) (vol.1, no.3 Summer 1981—)
Coden: VDVTDB ISSN 0278-9183
Videodisc/Videotex Title changed to: Videodisc & Opt. Disk (USA)

Videotex Can. (Canada) (vol.2, no.3 Winter 1983—)
Coden: VICAEV ISSN 0712-8487
Videotex Canada Tele-Direct (Publications) Inc., 55 Town Centre Court, 5th Floor, Scarborough, Ont. M1P 4X5, Canada

Villamossag (Hungary) (vol.16, no.11-12 Nov.-Dec. 1968—)
Coden: VLMSAG ISSN 0042-6210
Villamossag Lapkiado Vallalat, Lenin Korut 9-11, Budapest VII, Hungary

VINE (GB) (no.27 March 1979—)
Coden: VINEDT ISSN 0305-5728
VINE Information Technology Centre, Polytechnic of Central London, 309 Regent Street, London W1R 8AL, England

Visible Lang. (USA) (vol.5, no.4 Autumn 1971—)
Coden: VSLGAO ISSN 0022-2224
Visible Language c/o Cleveland Museum of Art, Cleveland, OH 44106, USA

†**Vision Res. (GB)** (1968—)
Coden: VISRAM ISSN 0042-6989
Vision Research Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Vistas Astron. (GB) (vol.19, pt.1 1975—)
Coden: VASTA6 ISSN 0083-6656
Vistas in Astronomy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Visual Resour. (GB) (vol.1, no.1 Spring 1980—)
Coden: VRVRDZ ISSN 0197-3762
Visual Resources Gordon and Breach Science Publishers, 42 William IV Street, London WC2N 4DE, England

VLSI Des. (USA) (vol.4, no.1 Jan.-Feb. 1983—)
Coden: VDESDP ISSN 0279-2834
VLSI Design Redwood Systems Group, P.O.Box 50518, Palo Alto, CA 94303, USA

Vopr. At. Nauki & Tekh. Ser. Fiz. Radiats. Povrezhdenii & Radiats. Mater. (USSR) (no.1 1982—)
Coden: VAFMDP ISSN 0134-5400
Voprosy Atomnoi Nauki i Tekhniki, Seriya: Fizika Radiatsionnyk Povrezhdenii i Radiatsionnoe Materialovedenie Khar'kovskii Fiziko-Tekhnicheskii Institut, AN USSR, Kharkov 108, USSR

Vopr. At. Nauki & Tekh. Ser. Obshch. & Yad. Fiz. (USSR) (no.3 1982—)
Coden: VANFDA ISSN 0207-0472
Voprosy Atomnoi Nauki i Tekhniki, Seriya: Obshchaya i Yadernaya Fizika Khar'kovskii Fiziko-Tekhnicheskii Institut, AN USSR, Khar'kov 108, USSR

Vrashchenie & Prilivnye Deform. Zemli (USSR) (no.4 1972—)
Coden: VPDZAK ISSN 0374-4779
Vrashchenie i Prilivnye Deformatsii Zemli Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Vyber Inf. Organ. Vypocetni Tech. (Czechoslovakia) (no.3 1979—)
Coden: VIOTDB
Vyber Informaci z Organizacni a Vypocetni Techniky Narodni Organizace Technicke Obsluhy (NOTO), Praha 1, Na Perstyne 6, Czechoslovakia

Vychisl. Metody & Program. (USSR) (no.18 1972—)
Coden: VYMPAU ISSN 0507-5386
Vychislitel'nye Metody i Programmirovanie Izdatel'stvo Moskovskogo Universiteta, Moskva, K-9, Ul. Gertsena d. 5/7, USSR

Vychisl. Tekh. & Vopr. Kibern. (USSR) (no.18 1982—)
Coden: VTVKAP ISSN 0202-2494
Vychislitel'naya Tekhnika i Voprosy Kibernetiki Izdatel'stvo Leningradskogo Universiteta, Leningrad, USSR

Vysokomol. Soedin. Ser. A (USSR) (1968—)
Coden: VYSAAF ISSN 0507-5475
Vysokomolekulyarnye Soedineniya, Seriya A Akademiya Nauk USSR, Leninskii Prosp., Moskva, USSR [English translation in: *Polym. Sci. USSR (GB)*]

Vysokomol. Soedin. Ser. B (USSR) (vol.23, no.7 July 1981—)
Coden: VYSBAI ISSN 0507-5483
Vysokomolekularnye Soedineniya, Seriya B Akademiya Nauk SSSR, Leninskii Prosp., Moskva, USSR

Waerme (Germany) (1968—)
Coden: WARMAP ISSN 0372-7114
Warme Adelheidstrasse 28, 8 Munchen 40, Germany

Waerme- & Stoffuebertrag. (Germany) (vol.1, no.3 1968—)
Coden: WASBBW ISSN 0042-9929
Warme- und Stoffubertragung Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany

Warangal Reg. Eng. Coll. Res. Bull.
See: Res. Bull. Reg. Eng. Coll. Warangal (India)

Waseda Univ. Sch. Sci. & Eng. Mem.
See: Mem. Sch. Sci. & Eng. Waseda Univ. (Japan)

Water Pollut. Res. J. Can. (Canada) (vol.16 1981—)
Coden: WRJCD9 ISSN 0197-9140
Water Pollution Research Journal of Canada Institute of Environmental Studies, University of Toronto, Toronto, Ont. M5S 1A4, Canada

Water Power (GB) (1968—)
Coden: WAPOAL
Water Power Title changed to: Int. Water Power & Dam Constr. (GB)

Water Res. (GB) (vol.12, no.1 1978—)
Coden: WATRAG ISSN 0043-1354
Water Research Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Water Resour. Res. (USA) (vol.8, no.2 April 1972—)
Coden: WRERAQ ISSN 0043-1397
Water Resources Research American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Water, Air & Soil Pollut. (Netherlands) (vol.1, no.1 Nov. 1971—)
Coden: WAPLAC ISSN 0049-6979
Water, Air and Soil Pollution Dr. Billy M. McCormac, 12861 Alta Tierra Road, Los Altos Hills, CA 94022, USA

Wave Motion (Netherlands) (vol.1, no.1 Jan. 1979—)
Coden: WAMOD9 ISSN 0165-2125
Wave Motion North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Wear (Switzerland) (vol.18, no.2 Aug. 1971—)
Coden: WEARCJ ISSN 0043-1648
Wear Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Weather (GB) (vol.27, no.1 Jan. 1972—)
Coden: WTHRAL ISSN 0043-1656
Weather James Glaisher House, Grenville Place, Bracknell, Berks RG12 1BX, England

Weld. & Met. Fabr. (GB) (1968—)
Coden: WLMFAM ISSN 0043-2245
Welding and Metal Fabrication Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Weld. Des. & Fabr. (USA) (vol.48, no.1 Jan. 1975—)
Coden: WDEFAS ISSN 0043-2253
Welding Design and Fabrication Industrial Publishing Co., 614 Superior Avenue, W., Cleveland, OH 44113, USA. Incorporates Weld. Eng. (USA)

Weld. Eng. (USA) (vol.56, no.10 Oct. 1971—)
Coden: WEEGA4
Welding Engineer Incorporated with Weld. Des. & Fabr. (USA)

Weld. Prod. (GB) (vol.15, no.2 Feb. 1968—)
Coden: WEPRAO ISSN 0043-230X
Welding Production [Translation of: *Svar. Proizvod. (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge CB1 6AL, England

Werkst. & Korros. (Germany) (vol.34, no.8 Aug. 1983—)
Coden: WSKRAT ISSN 0043-2822
Werkstoffe und Korrosion (Materials and Corrosion) Verlag Chemie GmbH, Postfach 1260/1280, Pappelallee 3, D-6940 Weinheim, Germany

Werkstatt & Betr. (Germany) (1968—)
Coden: WKUBA9 ISSN 0043-2792
Werkstatt und Betrieb Carl Hanser Verlag, Kolbergstrasse 22, D-8000 Munchen 80, Germany

Western Electric Eng. (USA) (1968—)
Coden: WELEAX ISSN 0043-3659
Western Electric Engineer Western Electric Co., 222 Broadway, New York, NY 10038, USA

Wharton Mark. Rep. (GB) (no.66 Feb. 1984—)
Coden: WMREEL
Wharton Market Report Title changed to: Wharton Rep. (GB)

Wharton Rep. (GB) (no.68 April 1984—)
Coden: WHREEK
Wharton Report Formerly: Wharton Mark. Rep. (GB)
12 Eton Street, Richmond on Thames, Surrey TW9 1EE, England

What Buy Bus. (GB) (no.3 3 June 1983—)
Coden: WBUBDH ISSN 0265-296X
What to Buy for Business Oppenheim Derrick & Co. Ltd., 11 Kings Road, London SW3, England. Incorporates Better Buys Bus. (GB)

What Teleph. & Commun. News (GB) (no.4 Aug.-Sept. 1984—)
ISSN 0266-299X
What Telephone & Communications News Poisegreen Ltd., 26 Queensway, London W2 3RX, England

What's New Comput. (GB) (May 1982—)
Coden: WNCODG ISSN 0262-2734
What's New in Computing Morgan-Grampian Ltd., Calderwood Street, London SE18 6QH, England

Which Comput. (GB) (vol.2, no.10 Oct. 1978—)
Coden: WHCOD8 ISSN 0140-3435
Which Computer? Which Computer? Ltd., 30-31 Islington Green, London N1, England

Which Micro & Software Rev. (GB) (March 1984—)
Coden: WMSREV
Which Micro and Software Review EMAP Business and Computer Publications Ltd., 77 Farringdon Road, London EC1M 3JY, England

†**Which Off. Syst. (GB)** (vol.1, no.7 Jan. 1984—)
Coden: WOSYEW ISSN 0265-6965
Which Office System? Formerly: Which Word Process. & Off. Syst. (GB)
Durrant House, 8 Herbal Hill, London EC1R 5JB, England

Which Word Process. & Off. Syst. (GB) (vol.3, no.5 Sept. 1982—)
Coden: WWPSDK ISSN 0143-6392
Which Word Processor & Office System? Formerly: Which Word Process. (GB) Title changed to: Which Off. Syst. (GB)

Which Word Process. (GB) (vol.1, no.1 Jan. 1980—)
Coden: WWPRDH ISSN 0143-6392
Which Word Processor? Title changed to: Which Word Process. & Off. Syst. (GB)

Wiad. Elektrotech. (Poland) (vol.41, no.7 July 1973—)
Coden: WDELAC ISSN 0043-5112
Wiadomsci Elektrotechniczne Wydawnictwa Czasopism I Ksiazek Technicznych, ul Swietokrzyska 14a, 00-950 Warszawa, Skrytha 1004, Poland

Wiad. Telekomun. (Poland) (vol.13, no.2 Feb. 1973—)
Coden: WDTEAW ISSN 0043-5198
Wiadomosci Telekomunikacyjne Editorial address: Warszawa, Kazimierzowska 52, Poland

Wind Eng. (GB) (vol.5, no.1 1981—)
Coden: WIENDM ISSN 0309-524X
Wind Engineering Multi-Science Publishing Co., 42/45 New Broad Street, London EC2M 1QY, England

Wire (Germany) (vol. 29, no. 1 Jan-Feb 1979—)
Coden: WIRDAK ISSN 0043-5996
Wire Meisenbach KG, Hainstrasse 18, P.O. Box 2069, D-8600 Bamberg, Germany

Wire J. Int. (USA) (vol.14, no.9 Sept. 1981—)
Coden: WIRJA4 ISSN 0043-602X
Wire Journal International Wire Journal Inc., 1570 Boston Post Road, P.O.Box H, Guildford, CT 06437, USA

Wire Tech (USA) (vol.11, no.2 March 1983—)
Coden: WITEE3
Wire Tech Formerly: Wire Technol. (USA)
Huebner Publications Inc., 6521 Davis Industrial Parkway, Solon, OH 44139, USA

Wire Technol. (USA) (vol.7, no.2 1979—)
Coden: WITED2 ISSN 0361-4565
Wire Technology Title changed to: Wire Tech (USA)

Wire World Int. (Germany) (vol.13, no.4 July-Aug. 1971—)
Coden: WWINAZ ISSN 0043-6046
Wire World International Vogel-Verlag, Talstrasse 32a, P.O. Box 8311, D-4000 Dusseldorf, Germany

Wireless World
See: Electron. & Wireless World (GB)

Wireless World (GB) (1968—)
Coden: WIWOAA ISSN 0043-6062
Wireless World Title changed to: Electron. & Wireless World (GB)

Wiring Install. & Supplies (GB) (no.5 1978—)
Coden: WISUDB ISSN 0308-8650
Wiring Installations and Supplies Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Wiss. Z. Elektrotech. (Germany) (1968—)
Coden: WZEKAR
Wissenschaftliche Zeitschrift der Elektrotechnik Incorporated in: Z. Elektr. Inf.- & Energietech. (Germany)

Wiss. Z. Friedrich-Schiller-Univ. Jena, Math. Naturwiss. Reihe (Germany) (vol.18, no.1 1969—)
Coden: WZFMA4 ISSN 0043-6836
Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universitaet Jena, Mathematisch-Naturwissenschaftliche Reihe Friedrich-Schiller Universitaet, Jena, Am Anger 24, Germany

Wiss. Z. Hochsch. Maschinenbau Karl-Marx-Stadt (Germany) (1968—)
Coden: WZMMA5
Wissenschaftliche Zeitschrift der Hochschule fur Maschinenbau Karl-Marx-Stadt Title changed to: Wiss. Z. Tech. Hochsch. Karl-Marx-Stadt (Germany)

Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Naturwiss. Reihe (Germany) (vol.20, no.4-5 1971—)
Coden: WZMNA8
Wissenschaftliche Zeitschrift Karl-Marx-Universitat Leipzig. Mathematisch-Naturwissenschaftliche Reihe 701 Leipzig, Ritterstrasse 14, Germany

Wiss. Z. Tech. Hochsch. Ilmenau (Germany) (1968—)
Coden: WZTHAP ISSN 0043-6917
Wissenschaftliche Zeitschrift der Technischen Hochschule Ilmenau Strasse der Jungen Techniker 21, Ilmenau, Germany

Wiss. Z. Tech. Hochsch. Karl-Marx-Stadt (Germany) (1968—)
Coden: WZTKAY ISSN 0372-7610
Wissenschaftliche Zeitschrift der Technischen Hochschule Karl-Marx-Stadt Formerly: Wiss. Z. Hochsch. Maschinenbau Karl-Marx-Stadt (Germany)
DDR-9001, Karl-Marx-Stadt, Postfach 964, Germany

Wiss. Z. Tech. Hochsch. Otto von Guericke Magdeburg (Germany) (1968—)
Coden: WCGMAI ISSN 0541-8933
Wissenschaftliche Zeitschrift der Technischen Hochschule Otto von Guericke Magdeburg 3010 Magdeburg, PSF 124, Germany

Wiss. Z. Tech. Univ. Dresden (Germany) (1968—)
Coden: WZTUAU ISSN 0043-6925
Wissenschaftliche Zeitschrift der Technischen Universitat Dresden Mommsenstrasse 13, Dresden A227, Germany

Wiss.-Tech. Inf. VEB Kombinat Automatisierungsanlagenbau (Germany) (vol.17, no.1 1981—)
Coden: WIVKDU ISSN 0138-5348
Wissenschaftlich-Technische Informationen des VEB Kombinat Automatisierungsanlagenbau Title changed to: VEM Tech. Inf. Automatisierungsanlagen, Elektroenergieanlagen (Germany)

Word & Inf. Process. (GB) (Jan. 1982—)
Coden: WIPRDL
Word & Information Processing Formerly: Word Process. Now (GB)
Maclean Hunter Ltd., 76 Oxford Street, London W1, England

Word Process. & Inf. Syst. (USA) (vol.8, no.1 Jan. 1981—)
Coden: WPISD4 ISSN 0279-7992
Word Processing & Information Systems Formerly: Word. Process. Syst. (USA). Merged with Adm. Manage. (USA) to form Off. Adm. & Autom. (USA)

Word Process. Now (GB) (Jan. 1981—)
Coden: WPNODH
Word Processing Now Title changed to: Word & Inf. Process. (GB)

Word Process. Syst. (USA) (vol.6, no.9 Sept. 1979—)
Coden: WPSYD4
Word Processing Systems Formerly: Word Process. World (USA). Title changed to: Word Process. & Inf. Syst. (USA)

Word Process. World (USA) (vol.5, no.6 July-Aug. 1978—)
Coden: WPWODS
Word Processing World Title changed to: Word. Process. Syst. (USA)

Work & People (Australia) (vol.9, no.2 1983—)
Coden: WOPEEP
Work and People Working Environment Branch, Department of Employment and Industrial Relations, GPO Box 9880, Canberra City, ACT 2601, Australia

Work Study & Manage. Serv. (GB) (vol.16, no.11 Nov. 1972—)
Coden: WSMAAM
Work Study & Management Services Title changed to: Manage. Serv. (GB)

Works & Plant Maint. (GB) (vol.3, no.7 Sept. 1982—)
Coden: WPMAD4
Works & Plant Maintenance Business Publications Ltd., 100-119 Waterloo Road, London SE1 8UL, England

World Banking (USA) (vol.1, no.5 Sept.-Oct. 1982—)
Coden: WOBADA ISSN 0730-8736
World of Banking Bank Administration Institute, 60 Gould Center, Rolling Meadows, IL 60008, USA

† indicates a journal abstracted completely

World Patent Inf. (USA) (vol.3, no.2 April 1981—)
Coden: WPAID2 ISSN 0172-2190
World Patent Information Pergamon International Information Corp., 1340 Old Chain Bridge Road, McLean, VA 22101, USA. Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Wuli (China) (no.1 1978—)
Coden: WULIAL ISSN 0379-4148
Wuli Science Press, Peking, People's Republic of China. Subscription address: Guozi Shudian, P.O. Box 399, Peking

X-ray Spectrom. (GB) (vol.8, no.2 April 1979—)
Coden: XRSPAX ISSN 0049-8246
X-ray Spectrometry Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England

Xiaoxing Weixing Jusuanji Xitong
See: Mini-Micro Syst. (China)

Yad. Energ. (Bulgaria) (no.13 1981—)
Coden: YAENDM ISSN 0204-6989
Yadrena Energiya Bulgarian Academy of Sciences, Institute of Nuclear Research and Nuclear Energy, 72 Lenin Boulevard, Sofia 1113, Bulgaria

Yad. Fiz. (USSR) (1968—)
Coden: IDFZA7 ISSN 0044-0027
Yadernaya Fizika Izdatel'stvo 'Nauka', 103717 GSP Moskva K-62, Podsosenskii Per. 24, USSR [English translation in: *Sov. J. Nucl. Phys. (USA)*]

Yamagata Daigaku Kiyo, Kogaku
See: Bull. Yamagata Univ. (Eng.) (Japan)

Yamagata Daigaku Kiyo, Shizenkagaku
See: Bull. Yamagata Univ. (Nat. Sci.) (Japan)

Yamagata Univ. (Nat. Sci.) Bull.
See: Bull. Yamagata Univ. (Nat. Sci.) (Japan)

Yamagata Univ. Bull. (Eng.)
See: Bull. Yamagata Univ. (Eng.) (Japan)

Yamaguchi Daigaku Kogakubu Kenkyu Hokoku
See: Mem. Fac. Eng. Yamaguchi Univ. (Japan)

Yamaguchi Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Yamaguchi Univ. (Japan)

Yamaguchi Univ. Technol. Rep.
See: Technol. Rep. Yamaguchi Univ. (Japan)

Yamanashi Daigaku Kogakubu Kenkyu Hokoku
See: Rep. Fac. Eng. Yamanashi Univ. (Japan)

Yamanshi Univ. Fac. Eng. Rep.
See: Rep. Fac. Eng. Yamanashi Univ. (Japan)

Yogyo-Kyokai-Shi (Japan) (vol.79, no.914 1971—)
Coden: YGKSA4 ISSN 0009-0255
Yogyo-Kyokai-Shi (Journal of the Ceramic Society of Japan) 22-17, 2-chome, Hyakunin-cho, Shinjuku-ku, Tokyo 160, Japan

Yokohama Natl. Univ. Fac. Eng. Bull.
See: Bull. Fac. Eng. Yokohama Natl. Univ. (Japan)

Yokohama Natl. Univ. Sci. Rep. Sect. I
See: Sci. Rep. Yokohama Natl. Univ. Sect. I (Japan)

Your Commodore (GB) (vol.1, no.3 Dec. 1984—)
Your Commodore Argus Specialist Publications Ltd., 1 Golden Square, London W1R 3AB, England

Your Comput. (GB) (vol.3, no.1 Jan. 1983—)
Coden: YOCODB ISSN 0263-0885
Your Computer IPC Electrical-Electronic Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Z. Allg. Wissenschaftstheor. (Germany) (vol.2, no.2 1971—)
Coden: ZAWTA2 ISSN 0044-2216
Zeitschrift fur Allgemeine Wissenschaftstheorie (Journal for General Philosophy of Science) Franz Steiner Verlag, 62 Wiesbaden, Postfach 5529, Germany

Z. Angew. Math. & Mech. (Germany) (vol.50, no.10 Oct. 1970—)
Coden: ZAMMAX ISSN 0044-2267
Zeitschrift fur angewandte Mathematik und Mechanik Akademie-Verlag GmbH, 108 Berlin, Leipziger Strasse 3-4, Germany

Z. Angew. Math. & Phys. (Switzerland) (1968—)
Coden: ZAMPA8 ISSN 0044-2275
Zeitschrift fur angewandte Mathematik und Physik Verlag Birkhauser, Postfach 4000, Basel 24, Switzerland

Z. Angew. Phys. (Germany) (1968—)
Coden: ZAPHAX
Zeitschrift fur angewandte Physik Title changed to: Appl. Phys. (Germany)

Z. Eisenbahnwes. & Verkehrstech. (Glasers Ann.) (Germany) (vol.96, no.6 June 1972—)
Coden: ZEVGAK ISSN 0373-322X
Zeitschrift fur Eisenbahnwesen und Verkehrstechnik (Glasers Annalen) Formerly: Glasers Ann. (Germany)
George Siemens Verlagsbuchhandlung, 1 Berlin 30, Lutzwstrasse 105/106, Germany

Z. Elektr. Inf.- & Energietech. (Germany) (vol.1, no.1 1971—)
Coden: ZEIZAC ISSN 0046-8398
Zeitschrift fur Elektrische Informatins- und Energietechnik Akademische Verlagsgesellschaft Geest & Portig K.G., DDR 701 Leipzig, Sternwartenstrasse 8, Germany. Incorporates Hochfrequenztech. & Elektroakust. (Germany) and Wiss. Z. Elektrotech. (Germany)

Z. Flugwiss. & Weltraumforsch. (Germany) (vol.1, no.1 1977—)
Coden: ZFWEDT ISSN 0342-068X
Zeitschrift fur Flugwissenschaften und Weltraumforschung Formerly: Z. Flugwiss. (Germany)
DFVLR, Postfach 3267, D-3000 Braunschweig, Germany

Z. Flugwiss. (Germany) (vol.19, no.8-9 Aug.-Sept. 1971—)
Coden: ZEFLAN
Zeitschrift fur Flugwissenschaften Title changed to: Z. Flugwiss. & Weltraumforsch. (Germany)

Z. Geophys.
See: J. Geophys. (Germany)

Z. Geophys. (Germany) (1968—)
Coden: ZEGEA7
Zeitschrift fur Geophysik Title changed to: J. Geophys. (Germany)

Z. Instrumentenk. (Germany) (1968—)
Coden: ZEINAA
Zeitschrift fur Instrumentenkunde Title changed to: Messtechnik (Germany)

Z. Kristallogr. (Germany) (vol.131, no.6 Sept. 1970—)
Coden: ZEKRDZ ISSN 0044-2968
Zeitschrift fur Kristallographie R. Oldenbourg Verlag, Postfach 80 13 60, 8000 Munchen 80, Germany

Z. Math. Logik & Grundlagen Math. (Germany) (vol.14, no.4 1968—)
Coden: ZMLGAQ ISSN 0044-3050
Zeitschrift fur Mathematische Logik und Grundlagen der Mathematik Deutscher Buch-Export und Import GmbH, 701 Leipzig, Leninstrasse 16, Germany

†**Z. Metallkd. (Germany)** (1968—)
Coden: ZEMTAE ISSN 0044-3093
Zeitschrift fur Metallkunde Dr.Riederer-Verlag GmbH., D-7 Stuttgart 1, Johannesstrasse 60, Postfach 447, Germany

Z. Meteorol. (Germany) (vol.31, no.2 1981—)
Coden: ZMETAU ISSN 0084-5361
Zeitschrift fur Meteorologie Akademie-Verlag, DDR-1080 Berlin, Leipziger Strasse 3-4, Germany

Z. Naturforsch. a (Germany) (1968—)
Coden: ZENAAU ISSN 0340-4811
Zeitschrift fur Naturforschung (a): Astrophysik, Physik und physikalische Chemie Title changed to: Z. Naturforsch. Teil A (Germany)

†**Z. Naturforsch. Teil A (Germany)** (vol.38A, no.8 Aug. 1983—)
Coden: ZENAAU ISSN 0340-4811
Zeitschrift fur Naturforschung, Teil A (Physik, Physikalische Chemie, Kosmophysik) Formerly: Z. Naturforsch. a (Germany)
Verlag der Zeitschrift fur Naturforschung, P.O.Box 2645, D-7400 Tubingen, Germany

†**Z. Oper. Res. Ser. A (Germany)** (vol.16, no.1 1972—)
Coden: ZORTB8 ISSN 0340-9422
Zeitschrift fur Operations Research, Serie A: Theorie Physica-Verlag Rudolf Liebing KG, D-87 Wurzburg 2, Werner von Siemens Strasse 5, Germany. Supersedes in part: Unternehmensforschung (Germany)

Z. Oper. Res. Ser. B (Germany) (vol.16, no.2 1972—)
Coden: ZORPBU ISSN 0340-9422
Zeitschrift fur Operations Research, Serie B: Praxis Physica-Verlag Rudolf Liebing KG, D-87 Wurzburg 2, Werner von Siemens Strasse 5, Germany. Supersedes in part: Unternehmensforschung (Germany)

†**Z. Phys. A (Germany)** (1968—)
Coden: ZPAADB ISSN 0340-2193
Zeitschrift fur Physik A (Atoms and Nuclei) Springer-Verlag, D-6900 Heidelberg 1 Postfach 105 280, Germany

Z. Phys. B (Germany) (vol.20, no.1 1975—)
Coden: ZPBBDJ ISSN 0340-224X
Zeitschrift fur Physik B (Condensed Matter and Quanta) Formerly: Phys. Condens. Matter (Germany) Title changed to: Z. Phys. B (Germany)

†**Z. Phys. B (Germany)** (vol.44, no.1 1981—)
Coden: ZPCMDN ISSN 0722-3277
Zeitschrift fur Physik B (Condensed Matter) Formerly: Z. Phys. B (Germany)
Springer-Verlag, Postfach 10 52 80, D-6900 Heidelberg 1, Germany

†**Z. Phys. C (Germany)** (vol.1, no.1 1979—)
Coden: ZPCFD2 ISSN 0170-9739
Zeitschrift fur Physik C (Particles and Fields) Springer-Verlag, P.O. Box 105280, D-6900 Heidelberg 1, Germany

Z. Phys. Chem., Leipzig (Germany) (1968—)
Coden: ZPCLAH ISSN 0323-4479
Zeitschrift fur physikalische Chemie Akademische Verlagsgesellschaft Geest und Portig K.-G., Sternwartenstrasse 8, 701 Leipzig, Germany

Z. Phys. Chem., Wiesbaden (Germany) (1968—)
Coden: ZPCFAX ISSN 0044-3336
Zeitschrift fur physikalische Chemie. Neue Folge Akademische Verlagsgesellschaft, Bahnhofstrasse 39, 6200 Wiesbaden, Germany

Z. Vermessungswes. (Germany) (vol.96, no.9 Sept. 1971—)
Coden: ZTVRAM ISSN 0340-4560
Zeitschrift fur Vermessungswesen Verlag Konrad Wittwer KG, Postfach 147, D-7000 Stuttgart 1, Germany

Z. Werkstofftech. (Germany) (vol.14, no.9 Sept. 1983—)
Coden: ZWKTAS ISSN 0049-8688
Zeitschrift fur Werkstofftechnik (Materials Technology and Testing) Verlag Chemie GmbH, Postfach 1260/1280, Pappelallee 3, D-6940 Weinheim, Germany

Z. Wirtsch. Fertigung
See: ZWF Z. Wirtsch. Fertigung (Germany)

Zagadnienia Drgan Nieliniowych
See: Nonlinear Vibr. Probl. (Poland)

Zagadnienia Drgan Nieliniowych (Poland) (no.11 1971—)
Coden: ZDNIAD
Zagadnienia Drgan Nieliniowych (Nonlinear Vibration Problems) Title changed to: Nonlinear Vibr. Probl. (Poland)

Zairyo
See: J. Soc. Mater. Sci. Jpn. (Japan)

ZANCO Ser. A (Iraq) (vol.5, no.2 1979—)
Coden: ZASADU ISSN 0250-5606
ZANCO. Scientific Journal of Sulaimaniyah University Series A: Pure and Applied Sciences Sulaimaniyah, Iraq

Zavod. Lab. (USSR) (vol.35, no.3 1969—)
Coden: ZVDLAU ISSN 0321-4265
Zavodskaya Laboratoriya 2-i, Obydenskii Per., D, 14, Moskva, G-34, USSR [English translation in: *Ind. Lab. (USA)*]

Zb. Rad. Prir.-Mat. Fak. Ser. Fiz. (Yugoslavia) (vol.9 1979—)
Coden: ZRPFDD ISSN 0350-140X
Zbornik Radova Prirodno-Matematickog Fakulteta, Serija za Fiziku University of Novi Sad, Faculty of Sciences, Novi Sad, PF 239, Yugoslavia

Zeiss Inf. (Germany) (no.64 1968—)
Coden: ZEISAP ISSN 0044-2054
Zeiss Information Carl Zeiss, Oberkochen/ Wurtt, Germany

†**Zesz. Nauk. Politech. Lodz. Elektr. (Poland)** (1968—)
Coden: ZNPEAD ISSN 0374-4817
Zeszyty Naukowe Politechniki Lodzkiej Elektryka Redakcja Wydawnictw Naukowych Politechniki Lodzkiej. Lodz. Ul. Gdanska 155, Poland

Zesz. Nauk. Politech. Lodz. Fiz. (Poland) (no.5 1979—)
Coden: ZNPFDJ
Zeszyty Naukowe Politechnika Lodzka Fizyka Redakcja Wydawnictw Naukowych Politechnika Lodzkeij, 93-005 Lodz, ul. Wolczanska 219, Poland

†**Zh. Eksp. & Teor. Fiz. (USSR)** (1968—)
Coden: ZETFA7 ISSN 0044-4510
Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva Editorial address: Varob'evskoe Shosse 2, Moskva V-334, USSR [English translation in: *Sov. Phys.-JETP (USA)*]

Zh. Eksp. & Teor. Fiz. Pis'ma v Red. (USSR) (1968—)
Coden: ZFPRAU
Zhurnal Eksperimental'noi i Teoretichskoi Fiziki. Pis'ma v Redaktsiyu Title changed to: Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)

Zh. Nauchnoi & Prikl. Fotogr. & Kinematogr. (USSR) (vol.17, no.4 July-Aug. 1972—)
Coden: ZNPFAG ISSN 0044-4561
Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii Izdatel'stvo 'Nauka', Moskva, USSR

Zh. Prikl. Mekh. & Tekh. Fiz. (USSR) (1968—)
Coden: ZPMFAF ISSN 0044-4626
Zhurnal Prikladnoi Mekhaniki i Tehknicheskoi Fiziki Sovetskaya 20, Novosibirsk, USSR [English translation in: *J. Appl. Mech. & Tech. Phys. (USA)*]

Zh. Prikl. Spektrosk. (USSR) (1968—)
Coden: ZPSBAX ISSN 0514-7506
Zhurnal Prikladnoi Spektroskopii Editorial address: Institut Fiziki AN BSSR, Leninskii Prosp. 70, Minsk GSP, USSR [English translation in: *J. Appl. Spectrosc. (USA)*]

Zh. Strukt. Khim. (USSR) (vol.13, no.1 Jan.-Feb. 1972—)
Coden: ZSTKAI ISSN 0044-4634
Zhurnal Strukturnoi Khimii Editorial address: Director, Institute of Inorganic Chemistry, Siberian Branch, Academy of Sciences of the USSR, USSR [English translation in: *J. Struct. Chem. (USA)*]

†**Zh. Tekh. Fiz. (USSR)** (1968—)
Coden: ZTEFA3 ISSN 0044-4642
Zhurnal Tekhnicheskoi Fiziki Izdatel'stvo 'Nauka', Leningrad, USSR [English translation in: *Sov. Phys.-Tech. Phys. (USA)*]

Zh. Vychisl. Mat. & Mat. Fiz. (USSR) (1968—)
Coden: ZVMFAN ISSN 0044-4669
Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva. Editorial address: ul. Vavilova 28, Moskva V-333, USSR [English translation in: *USSR Comput. Math. & Math. Phys. (GB)*]

Zhizuoka Univ. Res. Inst. Electron. Bull.
See: Bull. Res. Inst. Electron. Shizuoka Univ. (Japan)

Zimbabwe Eng. (vol.18, no.3 May 1980—)
Coden: ZIENDL ISSN 0251-1037
Zimbabwe Engineer Formerly: Rhod. Eng. (Rhodesia)
Rhodesian Institution of Engineers, First Floor, 256 Jameson Avenue East, Salisbury, Zimbabwe

Zimbabwe Sci. Assoc. Trans.
See: Trans. Zimbabwe Sci. Assoc.

Zisin. J. Seismol. Soc. Jpn. (Japan) (vol.32, no.1 March 1979—)
Coden: ZISIA5 ISSN 0037-1114
Zisin. Journal of the Seismological Society of Japan c/o Earthquake Research Institute, Tokyo University, Yayoi, Bunkyo-ku, Tokyo, Japan

ZWF Z. Wirtsch. Fertigung (Germany) (vol.71, no.12 Dec. 1976—)
Coden: ZTWFAP ISSN 0044-3743
ZWF Zeitschrift fur Wirtschaftliche Fertigung Carl Hanser Verlag, Kolbergerstrasse 22, D-8000 Munchen 80, Germany

ZX Comput. (GB) (vol.2, no.2 Aug.-Sept. 1984—)
ZX Computing Argus Specialist Publications Ltd., 1 Golden Square, London W1R 3AB, England

List of other Serial Sources

The 517 publications listed below are those non-journal series which are regularly scanned for the INSPEC database. These include book series, numbered report series, conference series etc. It should be noted that although these publications are regularly scanned for the INSPEC database they are treated individually as separate books, reports, conferences etc. rather than under the serial title.

The entries are arranged in alphabetical order of abbreviated title on the nothing-before-something principle.

A.P.I.C. Stud. Data Process. (GB)
ISSN 0067-2483
A.P.I.C. Studies in Data Processing Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

ACM Distinguished Diss. (USA)
ACM Distiguished Dissertations MIT Press, 28 Carleton Street, Cambridge, MA 02142, USA

Acoust. Imaging (USA)
Coden: ACIGD9 ISSN 0270-5117
Acoustical Imaging Plenum Press, 233 Spring Street, New York, NY 10013, USA

Ada Companion Ser. (GB)
Coden: ACSEEK
Ada Companion Series Cambridge University Press, The Pitt Building, Trumpington Street, Cambridge CB2 1RP, England

Adam Hilger Monogr. Astron. Subj. (GB)
Adam Hilger Monographs on Astronomical Subjects Adam Hilger Ltd., Techno House, Redcliffe Way, Bristol BS1 6NX, England

Addison-Wesley Ser. Comput. (USA)
Addison-Wesley Series in Computing Addison-Wesley Publishing Co., Advanced Book Program, Reading, MA 01867, USA

Addison-Wesley Ser. Comput. Sci. & Inf. Process. (USA)
Addison-Wesley Series in Computer Science and Information Processing Addison-Wesley Publishing Co., Advanced Book Program, Reading, MA 01867, USA

Addison-Wesley Ser. Electr. Eng. (USA)
Coden: AWSEEO
Addison-Wesley Series in Electrical Engineering Addison-Wesley Publishing Co. Inc., Reading, MA 01867, USA

Addison-Wesley Syst. Program. Ser. (USA)
Addison-Wesley Systems Programming Series Addison-Wesley Publishing Co., Advanced Book Program, Reading, MA 01867, USA

Adv. Appl. Mech. (USA)
Coden: AAMCAY ISSN 0065-2156
Advances in Applied Mechanics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Appl. Pattern Recognition (USA)
Advanced Applications in Pattern Recognition Plenum Press, 233 Spring Street, New York, NY 10013, USA

Adv. Astronaut. Sci. (USA)
Advances in the Astronautical Sciences Published for the American Astronautical Society by Univelt Inc., P.O.Box 28130, San Diego, CA 92128, USA

Adv. At. & Mol. Phys. (USA)
Coden: AAMOA2 ISSN 0065-2199
Advances in Atomic and Molecular Physics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Biomed. Eng. (USA)
Coden: ABEGBE ISSN 0065-2261
Advances in Biomedical Engineering Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Commun. Syst. Theory & Appl. (USA)
Coden: ADCSDM ISSN 0065-2431
Advances in Communication Systems, Theory and Applications Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Comput. (USA)
Coden: ADCOA7 ISSN 0065-2458
Advances in Computers Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Corros. Sci. & Technol. (USA)
Coden: ACSTCT ISSN 0065-2474
Advances in Corrosion Science and Technology Plenum Press, 233 Spring Street, New York, NY 10013, USA

Adv. Cryog. Eng. (USA)
Advances in Cryogenic Engineering Plenum Press, 233 Spring Street, New York, NY 10013, USA

Adv. Data Base Theory (USA)
Advances in Data Base Theory Plenum Press, 233 Spring Street, New York, NY 10013, USA

Adv. Data Process. Manage. (GB)
ISSN 0196-8696
Advances in Data Processing Management Heyden & Son Inc., Spectrum House, Hillview Gardens, London NW4 2JQ, England

Adv. Electron. & Electron Phys. (GB)
Coden: AEEPAR ISSN 0065-2539
Advances in Electronics and Electron Physics Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

Adv. Energy Syst. & Technol. (USA)
Coden: AETED4
Advances in Energy Systems and Technology Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Environ. Sci. & Technol. (USA)
Coden: AESTC9 ISSN 0065-2563
Advances in Environmental Science and Technology John Wiley & Sons Inc., 603 Third Avenue, New York, NY 10016, USA

Adv. Geophys. (GB)
Coden: ADGOAR ISSN 0065-2687
Advances in Geophysics Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

Adv. Heat Transfer (USA)
Coden: AHTRAR ISSN 0065-2717
Advances in Heat Transfer Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Image Pickup & Disp. (USA)
Coden: AIPDD9 ISSN 0094-7032
Advances in Image Pickup and Display Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Inf. Syst. Sci. (USA)
Coden: AISYBH ISSN 0065-2784
Advances in Information Systems Science Plenum Press, 233 Spring Street, New York, NY 10013, USA

Adv. Liq. Cryst. (USA)
Coden: ALCRD7
Advances in Liquid Crystals Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Magn. Resonance (USA)
Advances in Magentic Resonance Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Mech. & Phys. Surf. (Switzerland)
Coden: AMPSDE ISSN 0272-0434
Advances in the Mechanics and Physics of Surfaces Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

Adv. Molten Salt Chem. (Netherlands)
Coden: AMSCCE ISSN 0065-2954
Advances in Molten Salt Chemistry Elsevier Science Publishers B.V., P.O.Box 211 Amsterdam, Netherlands

Adv. Nucl. Phys. (USA)
Coden: ANUPBZ ISSN 0065-2970
Advances in Nuclear Physics Plenum Press, 233 Spring Street, New York, NY 10013, USA

Adv. Nucl. Sci. & Technol. (USA)
Coden: ANUTAC ISSN 0065-2989
Advances in Nuclear Science and Technology Plenum Press, 233 Spring Street, New York, NY 10013, USA

Adv. Opt. Electron & Microsc. (GB)
Coden: AOEMAK ISSN 0065-3012
Advances in Optical and Electron Microscopy Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

Adv. Plasma Phys. (USA)
Coden: APLPB4 ISSN 0065-3187
Advances in Plasma Physics John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

Adv. Polym. Sci. (Germany) (vol.7, no.3 1970—)
Coden: FHOFAL ISSN 0341-020X
Advances in Polymer Science (Fortschritte der Hochpolymeren Forschung) Springer-Verlag, 1000 Berlin 33, Heidelberger Platz 3, Germany

Adv. Quantum Chem. (USA)
Coden: AQCHA9 ISSN 0065-3276
Advances in Quantum Chemistry Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Quantum Electron. (GB)
Coden: ADQEAD ISSN 0065-3284
Advances in Quantum Electronics Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

Adv. Solid State Phys.
See: Festkoerperprobleme (Germany)

Adv. Test Meas. (USA)
Coden: AVTMB9 ISSN 0568-0204
Advances in Test Measurement Instrument Society of America, 67 Alexander Drive, Research Triangle Park, NC 29907, USA

Adv. X-Ray Anal. (USA)
Coden: AXRAAA ISSN 0069-8490
Advances in X-Ray Analysis Plenum Press, 233 Spring Street, New York, NY 10013, USA

AECL Rep. (Canada)
Coden: AECRAN ISSN 0067-0367
AECL Reports Atomic Energy of Canada Ltd., Chalk River Nuclear Laboratories, Chalk River, Ont, Canada. Sometimes published from different locations

AFIPS Conf. Proc. (USA)
Coden: AFPGBT ISSN 0095-6880
AFIPS Conference Proceedings AFIPS Press, 1815 North Lynn Street, Arlington, VA 22209, USA

AGARD Advis. Rep. (France)
Coden: AAARBK ISSN 0549-7221
AGARD Advisory Report Advisory Group for Aerospace Research & Development, 7 Rue Ancelle, 92200 Neuilly sur Seine, France

AGARD Conf. Proc. (France)
Coden: AGCPAV ISSN 0549-7191
AGARD Conference Proceedings AGARD, 7 Rue Ancelle, 92200 Neuilly sur Seine, France

AGARDograph (France)
Coden: AGAGAS ISSN 0365-2467
AGARDograph Advisory Group for Aerospace Research & Development, 7 Rue Ancelle, 92200 Neuilly sur Seine, France

Aids Sch. Commun. (GB)
ISSN 0142-7288
Aids to Scholarly Communication Primary Communications Research Centre, University of Leicester, Leicester LE1 7RH, England

Allyn & Bacon Ser. Mech. Eng. & Appl. Mech. (USA)
Allyn & Bacon Series in Mechanical Engineering and Applied Mechanics Allyn & Bacon Inc., 470 Atlantic Avenue, Boston, MA 02210, USA

Am. Fed. Inf. Proc. Soc. Conf. Proc.
See: AFIPS Conf. Proc. (USA)

Am. Meteorol. Soc. Meteorol. Monogr. (USA)
ISSN 0065-9401
American Meteorological Society, Meteorological Monographs 45 Beacon Street, Boston, MA 02108, USA

Anal. Instrum. (USA)
Coden: AINABM
Analysis Instrumentation Instrument Society of America, 67 Alexander Drive, Research Triangle Park, NC 27709, USA

Ann. Discrete Math. (Netherlands)
Annals of Discrete Mathematics North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Annu. Reliab. & Maintainability Symp. (USA)
Coden: PRMSCS ISSN 0149-144X
Annual Reliability and Maintainability Symposium Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

Annu. Rev. Astron. & Astrophys. (USA)
Coden: ARASB6 ISSN 0066-4146
Annual Review of Astronomy and Astrophysics Annual Reviews Inc., 4139 El Camino Way, Palo Alto, CA 94306, USA

Annu. Rev. Autom. Program. (GB) (vol.6, pt.2 1969—)
Coden: ARVAAM ISSN 0066-4138
Annual Review in Automatic Programming Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Annu. Rev. Biophys. & Bioeng. (USA)
Coden: ABPBBK ISSN 0084-6589
Annual Review of Biophysics and Bioengineering Annual Reviews Inc., 4139 El Camino Way, Palo Alto, CA 94306, USA

Annu. Rev. Earth & Planet. Sci. (USA)
Coden: AREPCI ISSN 0084-6597
Annual Review of Earth and Planetary Sciences Annual Reviews Inc., 4139 El Camino Way, Palo Alto, CA 94306, USA

Annu. Rev. Energy (USA)
Coden: ARENDD ISSN 0362-1626
Annual Review of Energy Annual Reviews Inc., 4139 El Camino Way, Palo Alto, CA 94306, USA

Annu. Rev. Fluid Mech. (USA)
Coden: ARVFA3 ISSN 0066-4189
Annual Review of Fluid Mechanics Annual Reviews Inc., 4139 El Camino Way, Palo Alto, CA 94306, USA

Annu. Rev. Inf. Sci. & Technol. (USA)
Coden: ARISBC ISSN 0066-4200
Annual Review of Information Science and Technology Published for the American Society for Information Science by Knowledge Industry Publications Inc., 701 Westchester Avenue, White Plains, NY 10604, USA

Annu. Rev. Mater. Sci. (USA)
Coden: ARMSCX ISSN 0084-6600
Annual Review of Materials Science Annual Reviews Inc., 4139 El Camino Way, Palo Alto, CA 94306, USA

Annu. Rev. Monogr. (USA)
Annual Reviews Monograph Annual Reviews Inc., 4139 El Camino Way, Palo Alto, CA 94306, USA

Annu. Rev. Neurosci. (USA)
Coden: ARNSD5 ISSN 0147-006X
Annual Review of Neuroscience Annual Reviews Inc., 4139 El Camino Way, Palo Alto, CA 94306, USA

Annu. Rev. Nucl. & Part. Sci. (USA)
Coden: ARPSDF ISSN 0163-8998
Annual Review of Nuclear and Particle Science Annual Reviews Inc., 4139 El Camino Way, Palo Alto, CA 94306, USA

Annu. Simulation Symp. (USA)
Coden: ASSPDS ISSN 0272-4715
Annual Simulation Symposium IEEE Computer Society Press, 1109 Spring Street, Ste. 201, Silver Spring, MD 20910, USA

Appl. Commun. Theory (USA)
Applications of Communications Theory Plenum Press, 233 Spring Street, New York, NY 10013, USA

Appl. Commun. Theory Ser. (USA)
Applications of Communications Theory Series Plenum Press, 233 Spring Street, New York, NY 10013, USA

Appl. Comput. Sci. (Germany)
Applied Computer Science (Berichte zur Paraktischen Informatik) Carl Hanser Verlag, Kolberger Strasse 22, Postfach 860420, 8000 Munchen, Germany

Appl. Inf. Manage. & Technol. Ser. (USA)
Coden: AIMTD8
Applications in Information Management and Technology Series Neal-Schuman Publishers, 23 Cornelia Street, New York, NY 10014, USA

Appl. Math. (Germany)
Coden: APMADY
Applications of Mathematics Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Appl. Math. Sci. (USA)
Coden: AMSCDF ISSN 0066-5452
Applied Mathematical Sciences Sringer-Verlag New York Inc., 175 Fifth Avenue, New York, NY 10010, USA

Appl. Mod. Technol. Bus. (USA)
Coden: AMTBDH
Applications of Modern Technology in Business Plenum Press, 233 Spring Street, New York, NY 10013, USA

Appl. Opt. & Opt. Eng. (USA)
Coden: AOOEDF
Applied Optics and Optical Engineering Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Appl. Solid State Sci. (USA)
Coden: APSOB2 ISSN 0066-5533
Applied Solid State Science Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Asilomar Conf. Circuits Syst. & Comput. Conf. Rec. (USA)
Coden: RACSDI
Asilomar Conference on Circuits, Systems and Computers, Conference Record IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver spring, MD 20910, USA

Aslib Reader Ser. (GB)
Aslib Reader Series Aslib, 3 Belgrave Square, London SW1X 8PL, England

Assoc. Educ. Data Syst. Annu. Conv. Proc. (USA)
ISSN 0147-9296
Association for Educational Data Systems Annual Convention Proceedings 201 16th Street, N.W., Washington, DC 20036, USA

Astron. & Astrophys. Abstr. (Germany)
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